CASCADIA COLLEGE

BOTHELL • OUR COMMUNITY'S COLLEGE

2025 - 2026 CATALOG

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From the President

Welcome!

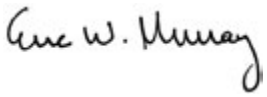
Guided by our vision to support every individual engaged in lifelong learning, Cascadia's community of exceptional staff and faculty will strive to deliver accessible, equitable, and superior educational experiences to inspire every person to achieve their educational and career goals.

Think critically, learn actively, interact in diverse environments, and communicate with clarity. Those are Cascadia's four learning outcomes driven by our commitment to be a collaborative, learner-centered college.

Every class is designed to embrace those learning outcomes and exposes students to small group work where projects, presentations, and teaching others are key components. Whether you are planning to transfer to a four-year institution, gain skills for a better paying job, learn English as an international student, or earn a credential to help you get a job quickly, Cascadia has a program for you. Cascadia is a young, vibrant college and the newest, most dynamic campus in the community college system. Its progressive faculty helps students learn that all disciplines relate to each other. Students will see themes discussed across all classes, like global awareness, social justice, or environmental sustainability that foster a sense of belonging and create a support network. And, students will have exposure to our partners, the University of Washington Bothell, on our co- located campus. Cascadia is a top transfer institution in the state.

Even in these challenging times, we are committed to making your college education accessible, affordable, and meaningful through various resources. We hope you'll use this catalog to help guide your way. Our staff and faculty are looking forward to working with you to support your success!

Sincerely,



Eric W. Murray, Ph.D.
President, Cascadia College

Board of Trustees

Cascadia College Board of Trustees

The college is governed by a Board of Trustees, which is appointed by the Governor. Board meeting schedules, agendas, minutes, and archives can be found on the college website, Board of Trustees page.

The Board members are:

Dr. Meghan Quint, Chair

Dr. Quint, a resident of Bothell, is a healthcare leader with deep experience in corporate strategy, innovation, and product. She is a founding executive at Opala, a venture-backed healthcare interoperability startup, and she previously spent a decade leading strategic partnerships with Silicon Valley startups to accelerate business transformation and innovation at Premera Blue Cross. Dr. Quint provides a unique perspective with her PhD expertise in Organizational Psychology. She is passionate about inclusion at work and is an advocate for lifelong learning for all.

Mr. Alex Lee, Vice Chair

Alex Lee is a Client Advisor and Member with Auxano Advisors. He serves a wide variety of clients and has extensive expertise working with families that have real estate holdings. He brings tremendous industry acumen to the practice of solving complex financial questions and has been awarded the industry's highest honor, the FIVE STAR Wealth Manager - Best in Client Satisfaction Award. Prior to joining Auxano in 2002, he served as a financial advisor to families at Waddell & Reed. At Waddell, Alex was awarded the Pacesetter distinction and Circle awards for outstanding achievement.

Alex earned a BA in Economics from the University of Washington, is a Certified Financial Planner (CFP®), and a graduate of the College for Financial Planning. Alex is a former board member of the Deaf-Blind Service Center, the Husky Marching Band Alumni Association, and was the chair of the Cascadia College Foundation Board for 10 years before being appointed by Gov. Jay Inslee to serve as a Trustee at Cascadia.

Dr. Collee Ponto

Dr. Ponto, a resident of Kenmore, is a senior leadership and organizational effectiveness consultant with Unify Consulting and since 2020 has been embedded at Seagen, a global biotechnology company headquartered in Bothell. Her current work focuses on leadership development and change management. She also brings considerable experience in higher education including service as a faculty member at Seattle University and as a Dean at Pinchot University. Dr. Ponto has been instrumental in community activities including building the playground and offering environmental education at St. Edward State Park.

Mr. Shahryar Qadri

Shahryar Qadri is the Chief Technology Officer of OneImaging. Shahryar is an accomplished executive with over 20 years of experience building healthcare technology solutions for patients, providers, and payers. His areas of expertise include third-party administrators, employer and payer benefits solutions, healthcare interoperability and data strategy. Shahryar has a degree in Computer Science from Creighton University. Outside of work, Shahryar's hobbies include reading, traveling and skiing.

Dr. Rania Hussein

Rania Hussein is a Teaching Professor, the Founder and Director of the Remote Hub Lab (RHLab), and an Associate Director of the UW Industrial Assessment Center (IAC). Her research focuses on embedded systems, digital twinning, remote engineering, medical image analysis, and engineering education.

She has over 15 years work experience in higher education as an educator and mentor to hundreds of students and alumni of electrical and computer engineering and computer science. Before joining UW, she was a research engineer at the Walt Disney Company where she worked on software development and the evaluation of disruptive and cutting edge technologies.

In addition to her technical expertise, Dr. Hussein has extensive experience in project management and community leadership. She has served as a founder, board member or executive director for non-profits to promote diversity, equity, and inclusion. She contributed to the building and passing of SB-5166 Bill into Washington State law in 2019. This law requires post secondary institutions to provide alternate exam accommodations for students due to religious observance. This accommodation became part of the syllabi of higher educational institutions in the State of Washington.

Dr. Hussein is an award-winning educator who has been nationally recognized for her contribution to mentorship and research in engineering education. She is the recipient of the Innovative Program Award from the Electrical and Computer Engineering Department Heads Association (ECEDHA) of 2021. She is also the recipient of IEEE region 6 outstanding engineering educator, mentor, and facilitator in the area of STEM award for the year 2022.

Mission & Values

We strive for a place where ...

Every individual is supported and engaged in lifelong learning. **(Our vision)**

We do this through our mission ...

We are the community's college. We deliver accessible, equitable, and superior educational experiences to inspire every person to achieve their educational and career goals. **(Our mission)**

We stand for ...

Diversity, equity and inclusion; collaboration; access; success; innovation; environmental sustainability; global awareness; responsiveness; and creativity. **(Our values)**

We teach students how to ...

Think creatively, critically, and reflectively
Learn actively
Interact in complex and diverse environments,
Communicate with clarity and originality.
(Our learning outcomes)

Accreditation

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

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

Inquiries regarding an institution's accreditation status by the Northwest Commission on Colleges and Universities should be directed to the administrative staff of the institution. Individuals may also contact:

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

Accreditation by the Northwest Commission on Colleges and Universities refers to the institution as a whole. Therefore, statements like "fully accredited" or "this program is accredited by the Northwest Commission on Colleges and Universities" or "this degree is accredited by the Northwest Commission on Colleges and Universities" are incorrect and should not be used.

2025-2026 Academic Calendar

2025-2026 Academic Calendar	
Summer Term 2025	
July 1	First Day of Summer Term
July 3	College Closed / Holiday - Independence Day
August 21	Last Day of Summer Term
Fall Term 2025	
September 1	College Closed / Holiday - Labor Day
September 2	First Day of Pre-Fall Classes
September 11	Last Day of Pre-Fall Classes
September 22 - September 24	Rosh Hashanah
September 24	First Day of Fall Term
October 22	No Classes / Non-Instructional Day / Offices Closed
November 11	College Closed / Holiday - Veterans Day
November 27	College Closed / Holiday - Thanksgiving
November 28	College Closed / Holiday - Native American Heritage Day
December 12	Last Day of Fall Term
December 25	College Closed / Holiday - Christmas
Winter Term 2026	
January 1	College Closed / Holiday - New Year's Day
January 5	First Day of Winter Term
January 19	College Closed / Holiday - Martin Luther King, Jr.
January 29	No Classes / Non-Instructional Day / Offices Closed
February 16	College Closed / Holiday - President's Day
March 20	Last Day of Winter Term
Spring Term 2026	
March 30	First Day of Spring Term
May 14	No Classes / Non-Instructional Day / Offices Closed
May 25	College Closed / Holiday - Memorial Day
June 12	Last Day of Spring Term
June 12	Commencement
June 18	College Closed / Holiday - Juneteenth

Non-Discrimination Statement

Cascadia College is committed to creating a supportive environment for a diverse student, faculty, and staff population. Individual differences are celebrated in a pluralistic community of learners.

Cascadia 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, and is prohibited from discrimination by college policy and state and federal law.

For inquiries regarding non-discrimination policies, contact:

Vice President of Administrative Services, Sean Poellnitz
18345 Campus Way NE
Bothell, WA, 98011
spoellnitz@cascadia.edu
425-352-8262

For inquiries regarding sexual misconduct policies, contact:

Employee ADA Coordinator, Ifrah Mohamed
18345 Campus Way NE
Bothell, WA, 98011
imohamed@cascadia.edu
425-352-8152

Assistant Director for Title IX Support and Student Accessibility Services, Jasmin Means
jmeans@cascadia.edu
425-352-8334

For inquiries about 504 policies, contact:

Director of Accessibility & Student Support Services, Bryan Fauth
bfauth@cascadia.edu
425-352-8261

Title IX of the Education Amendments Act of 1972

Title IX is a federal civil rights law apart of the Education Amendments of 1972, which prohibits sex based discrimination in any educational program or activity receiving federal financial assistance. This includes protections against sexual harassment, sexual assault, and sex-based discrimination, ensuring everyone has equal access to educational opportunities. Although, Title IX is most commonly associated with gender equity in athletics. Title IX has broadened the scope to prohibit gender-based discrimination in all college programs and activities. The law includes sexual harassment, dating violence, domestic violence, and stalking as defined under the Clery Act, and Violence Against Women Act (VAWA).

At Cascadia College, these protections apply to all students, faculty, and staff, and they cover conduct that occurs in the context of a college program or activity including admissions, employment, and safety on campus. Title IX also prohibits retaliation against any individual who reports discrimination, files a formal complaint, or participates in a Title IX investigation or hearing.

We encourage reports to be submitted as soon as possible. However, the college reserves the right to investigate or take action based on the safety and well-being of the campus community, regardless of when the report is made.

If you believe you have experienced or witnessed behavior that may fall under Title IX, you are encouraged to contact the Title IX Coordinator to learn about your rights and options.

If you are a student and prefer to learn more about your options before contacting Title IX, you can schedule a private consultation with a Confidential Advocate through the Violence and Prevention Advocacy office for guidance and support.

You can file a formal complaint or report on behalf of someone else via our online intake form. The Title IX Coordinator will review and schedule an intake to learn more about your experience and how we can support you.

To schedule a meeting or voice a concern with Cascadia's Title IX Office, please contact:

Title IX Coordinator for Student Complaints
Jasmin Means
18345 Campus Way NE
Bothell, WA, 98011
Email: titleix@cascadia.edu | Phone: 425-352-8334

Title IX Coordinator for Employee Complaints
Ifrah Mohamed
18345 Campus Way NE
Bothell, WA, 98011
Email: titleix@cascadia.edu | Phone: 425-352-8305

Faculty and Administration Directory

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Ed.D., Seattle University

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B.A., UW Foster School of Business
M.A., Seattle Pacific University
Ph.D., Seattle Pacific University

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B.A., University of Washington

Mr. Shahryar Qadri
B.S., Creighton University

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A Comprehensive College Community

Cascadia is a public community college that offers two-year degrees for transfer to universities, two Bachelor of Applied Science (one in Sustainable Practices and one in Mobile Application Development), certificate programs, adult basic education, High School+, ESL for adults, and a broad range of non-credit courses and professional training. The college also conducts business-specific customized contract education and skill-training.

Cascadia is located along Beardslee Boulevard in Bothell, Washington at the intersection of I-405 and SR-522.

Co-located with the University of Washington Bothell, the campus location was planned to serve the fast-growing area of northeast King and south Snohomish Counties. Fifty-eight acres on the campus are under long-term restoration to high- functioning wetlands. A paved trail with educational signage borders the wetlands and is open to the public. The campus design has won the highest prize awarded by the American Institute of Architects for "drawing together the learning community and protecting their communal experience while retaining its connection to the world outside."

Cascadia's legislatively assigned service district includes the cities of Bothell, Woodinville, Kirkland, Kenmore, Duvall, Carnation, Sammamish, Redmond, and many smaller communities.

Redmond Classroom

Cascadia College offers courses at a classroom in downtown Redmond at the Together Center. Selected programs are chosen to meet the needs of Redmond residents, as well as those in surrounding communities. Our focus programs are but not limited to:

- Running Start - High School students can earn college credits through dual enrollment at Cascadia and their high school.
- College & Career Foundations - These courses teach the fundamentals of English language and math, which will help students to get a job or prepare for a college degree.
- Academic Programs - College level courses for your academic pathway.
- Workforce Training - Courses are designed to teach skills that are in high demand by local employers.

Together Center - Mountain Building
Cascadia College - Redmond Suite 130
16305 NE 87th Street
Redmond, WA 98052

Our Learning Environment

Cascadia has offered students an integrated education since we opened our doors in 2000. We invite students to connect disciplinary and interdisciplinary ideas to complex contexts, build knowledge across the curriculum and co-curriculum, and apply this education to situations on and off campus. Simply put, Cascadia's teaching and learning model recognizes that a quality college education goes far beyond the boundaries of the traditional curriculum and classroom boundaries.

These are some of the academic opportunities you can look forward to as a student at Cascadia:

Interdisciplinary Projects

Disciplines such as math, history, and science are rarely discrete in the real world. The types of problems that employees in today's workforce are tasked with solving are usually best approached by connecting skills and contexts. Cascadia instructors design assignments that allow students from different disciplines to work collaboratively. For instance, information technology students have worked with art students to produce an installation that combined programmed light sequences with illustrations. History students have worked with English students to research state songs and then update them to reflect more appropriately the era in which we live. Art and creative writing students create classwork inspired by their peers. Projects can be short-term or all quarter long.

Learning Communities

A learning community is 10-credit course that pairs two instructors from two different disciplines to team-teach a blended class. For example, a learning community offering might combine 5 credits of English and 5 credits of Geology and explore environmental issues through reading, writing, and the sciences. Learning communities generally provoke rich discussions and encourage students to delve much deeper into topics by synthesizing knowledge, identifying patterns, and making connections.

Community-Based Learning, Internships, and Study Abroad

Experiential learning opportunities allow students to take what they have learned in the classroom and apply it to real-life situations. Some students might be involved in a community poetry reading, while others will find themselves assisting middle school students with math concepts or practicing a new language in a study abroad program. Cascadia offers some of the most affordable English language programs in the country for international students, and Cascadia students have the opportunity to join study abroad experiences offered through our consortium membership. Cascadia's English Foundations (EF) program is an intensive program designed to prepare you for our college program or for careers that require high-level English skills. Students enrolled in professional technical programs are required to complete work-based learning as part of their applied education. Work-based learning and internships for credit are available with the support of a faculty advisor, program advisor, and college staff. Science lab classes provide course-based undergraduate research projects that apply theory to practice, not just replicate canned experiments.

Group Work

Throughout Cascadia, you'll find classes that require you to work in small groups. Group assignments are designed to help you learn to communicate, solve problems, make decisions, and interact with a diversity of people and viewpoints. Employers across all industries agree such skills are critical in today's complex, interdependent, and increasingly international workplace

Sustainability by Design

Sustainability is a core value for Cascadia. We show this through our waste reduction, LEED certified buildings, reduced energy and printing waste, support in education across the curriculum, and of course, our impressive campus grounds! Cascadia College was featured in the Herbicide-Free Campus annual report, a project at the non-profit Earth Island Institute, as one of the few exemplary pesticide-free campuses in the US. The Association for the Advancement of Sustainability in Higher Education (AASHE) has recognized our Bothell campus as the #1 campus in the nation for Sustainable Grounds since 2018!

Cascadia's Cornucopia Food Forest is an integrated learning project that creates opportunities for students from multiple disciplines to engage in and learn about permaculture, won the 2021 AASHE Campus Sustainability Achievement Award, recognizing outstanding progress in higher education sustainability, and Cascadia won the 2024 Water Stewardship award from the Puget Sound Business Journal. In addition, Cascadia hosts a campus farm and a restored 58-acre wetland, the second largest wetland restoration on the west coast in 2000.

Degree Concentration in Sustainability

The Sustainability Degree Concentration is an integrated, multi-disciplinary program focused on value driven solutions for society. The Sustainability Concentration provides students with a widespread understanding of the complex, interconnected challenges surrounding sustainability, including environmental, social, cultural, and economic issues such as resource and supply management, climate change, business and transportation efficiency, and inequality.

Students in any program may select Sustainability (SU) designated courses throughout their education that help develop and enrich their understanding of how sustainability efforts impact the planet and deepen their understanding of the issues society is facing. Through a selection of designated courses, students will deepen their knowledge of these global issues and develop critical skills in problem-solving, empathy building, resilience, systems thinking, and creative innovation needed to achieve both long-term and short-term goals. By applying their learning to real-world solutions, students will be prepared to contribute meaningfully to sustainable practices across industries, whether in business, policymaking, or community-based initiatives. Regardless of their academic or career path, an understanding of sustainability provides any student with a competitive advantage. Students will apply their knowledge and creativity to developing solutions for the future.
The Sustainability Concentration can be achieved through select Sustainability (SU) designated elective courses without adding any additional coursework.

For information on the Sustainability Concentration contact Cascadia's sustainable programs office:
sustainability@cascadia.edu

Program Distribution Area Requirements

The General Education Core

General education is the cornerstone of every degree program at Cascadia. In general education courses, students acquire a set of skills that will enable them to access, process, construct, and express knowledge across cultures. Completing the general education core at Cascadia requires a willingness to take risks, an interest in growing and adopting new, more refined points of view, and an awareness of a global context for ideas and facts. General education classes lay the ground work for active, life-long learning and prepare students for future challenges through learning experiences in which they encounter and master their own knowledge and practices that foster their growth.

Foundations for College Success

College Success introduces students to Cascadia's learning model, helps them to take ownership of their education, and sets them up for academic success. In College 101, each student participates in a group project, completes a guided research project in the university library, writes a tentative educational plan, and practices using a course website to complete assignments and interacts with an instructor and other students. All Cascadia students who complete Foundations for College Success have a minimum of 35 credits of guided practice in achieving the following outcomes.

Learn: Learners will demonstrate that they can find and use a variety of academic resources (including eLearning and library resources) at Cascadia. They will demonstrate ownership of their education and develop an academic plan.

Think: Learners will demonstrate basic information literacy skills and knowledge of particular ways of knowing and reasoning in the different academic disciplines.

Communicate: Learners will demonstrate flexibility in recognizing and expressing concepts in appropriate formats and they will be able to explain how they arrived at their conclusions.

Interact: Learners will demonstrate the ability to effectively collaborate in group activities.

Communication

Every degree at Cascadia is grounded in a set of core courses that emphasize communicating and critical thinking. In the composition sequence of the General Education Core Distribution, learners have a chance to become aware of the ways that culture informs, enriches, and at times limits learning and growth. Students practice argument, problem solving, analysis, and synthesis while they encounter and try out points of view from across the globe and reflect on their own points of view. All Cascadia students who complete the composition sequence have a minimum of 10 credits of guided practice in achieving the following outcomes.

Learn: Learners will become familiar with writing and reading processes and develop a personal process that helps them create successful texts; demonstrate a willingness to take risks and to deepen knowledge about self, others, and the world as it relates to writing and its process; learn to construct meaning from expanding and conflicting information; and meet deadlines and seek help when necessary.

Think: Learners will use a variety of conceptual and theoretical lenses and reflect on how these lenses provide alternative views of the experience and points of view of self, individuals, and groups; critically reflect on their own attitudes, values, behavior, and assumptions as well as those presented to them; and translate content between contexts with an awareness of the impact of different points of view and mediums.

Communicate: Learners will gather information and draft and publish texts that demonstrate inquiry into critical and creative thinking and an awareness of criteria for clear, original communication; communicate interpretations of data and claims and articulate rationales for making decisions about responsible action in the context of community issues and problems; and use technology and methods of discourse as learning tools.

Interact: Learners will share ideas, experiences, and self- assessment processes and listen to those of others; engage in collaborative peer review processes that will reflect their understanding of their experiences, composition practice, and self-assessment; and recognize conflict as a necessary part of discourse and respect individual ways of arriving at answers while critically analyzing models and ways of thinking.

Quantitative or Symbolic Reasoning

The ability to quantitatively and symbolically reason is critical in an ever-increasing complex society. In turn, the General Education Core provides students practice in problem solving and critical thinking using multiple approaches to draw conclusions while communicating their results and interacting with others. All Cascadia students who complete Quantitative or Symbolic Reasoning have a minimum of 5 credits of guided practice in achieving the following outcomes.

Learn: Learners will apply problem solving and mathematical modeling to real situations and take responsibility for accessing and using a variety of sources in learning about mathematics.

Think: Learners will analyze and interpret data or evidence to correctly solve problems through the construction of clear, well-supported arguments that lead to valid conclusions supported by appropriate symbolic reasoning and mathematical models.

Communicate: Learners will interpret complex problems and illustrate solutions using mathematical symbols and formulas that justify mathematical conclusions expressed in written or oral form.

Interact: Learners will engage with complex differences between and among their own cultures and others as manifested through social inequities. As part of this practice, students will recognize and articulate their understanding of diverse perspectives.

Equity, Diversity, and Power

Cascadia College stands for diversity, equity, inclusion, and responsiveness.

The EDP requirement is intended to help students begin developing skills and knowledge to successfully navigate living in an increasingly interconnected, complex, and diverse world. The 150-series requirement grounds students in the needed cognitive tools and background to critically analyze their evolving positions in society so they can pursue further study and seek out their careers more intentionally. In fulfilling the EDP requirement, students learn how local and global systems of power, privilege, and inequality are created and maintained. Additionally, students learn how individuals, communities, and societies/cultures are impacted by these systems and explore strategies for equitable change.

Learn: Students acquire and construct knowledge regarding local and global systems of power, privilege, inequality, and cultural diversity.

Think: Students use varied approaches to think critically about and reflect on both their personal views and assumptions, as well as other viewpoints, related to power, privilege, inequality, and cultural diversity.

Communicate: Students discuss course content as it relates to power, privilege, inequality, and cultural diversity

Interact: Students engage with complex differences within and between their own and other cultures in relation to power, privilege, inequality, and cultural diversity.

Humanities

Languages, literature, the arts, and philosophy are essential cultural expressions of being human. Underlying these subjects are ideas such as aesthetics, ethics, symbolism, and creativity that vary across times and cultures. Through the humanities, learners participate in others' subjective experience of reality and convey their own.

Learn: Learners will acquire, create, demonstrate, and apply knowledge by investigating and synthesizing ideas, themes and processes within and related to Humanities disciplines to realize themselves as imaginative risk-takers, problem-solvers, global citizens and autonomous life-long learners.

Think: Learners will refine knowledge through analysis, evaluation, experimentation, and innovation, working with ideas and artifacts that already exist and bringing new ideas and artifacts into existence to enrich our understanding of humanity.

Communicate: Learners will consider their own and others' perspectives and contexts, recognize formal and informal conventions of disciplines, genres, and cultures, seek original thoughts, and articulate knowledge via their own messages.

Interact: Learners will respectfully engage viewpoints, interpretations, and sources that embody global diversity, creating a community of inquiry that values ambiguity to expand our collective knowledge of the human experience in all its forms.

Natural Sciences

Science literacy provides a foundation for informed citizenship in our increasingly technological society. Learners practice, communicate, and apply science in order to understand the natural and physical world and the consequences of human activity within it.

Learn: Learners will employ scientific approaches to explain natural phenomena; they will generate knowledge by making and assessing controlled observations, formulating testable predictions, and evaluating verifiable data.

Think: Learners will use components of the scientific method to generate and modify hypotheses through critical analysis of data and information; they will evaluate known and needed information as a process in problem-solving; they will assess and respond to current global issues in the context of evidence-based conclusions.

Communicate: Learners will articulate scientific concepts clearly and correctly through a variety of media (oral, written, visual, and graphical); learners will concisely organize and present evidence and data; learners will actively listen and respond to communication with peers and instructors in a respectful manner.

Interact: Learners will work responsibly and effectively in groups to accomplish tasks, analyze data, and solve problems; they will engage with their peers to use multiple perspectives to explain scientific applications; they will connect learning and their interactions with the natural world; they will evaluate the global, environmental, and human contexts of scientific concepts.

Social Sciences

The social sciences expand learners' understanding of the nature and behavior of individuals as well as their interaction and organization in multiple cultural contexts.

Learn: Learners will engage in experiential activities to acquire, construct, demonstrate, and apply social scientific knowledge in a variety of contexts; they will complete required work and identify opportunities to expand knowledge, skills, and abilities.

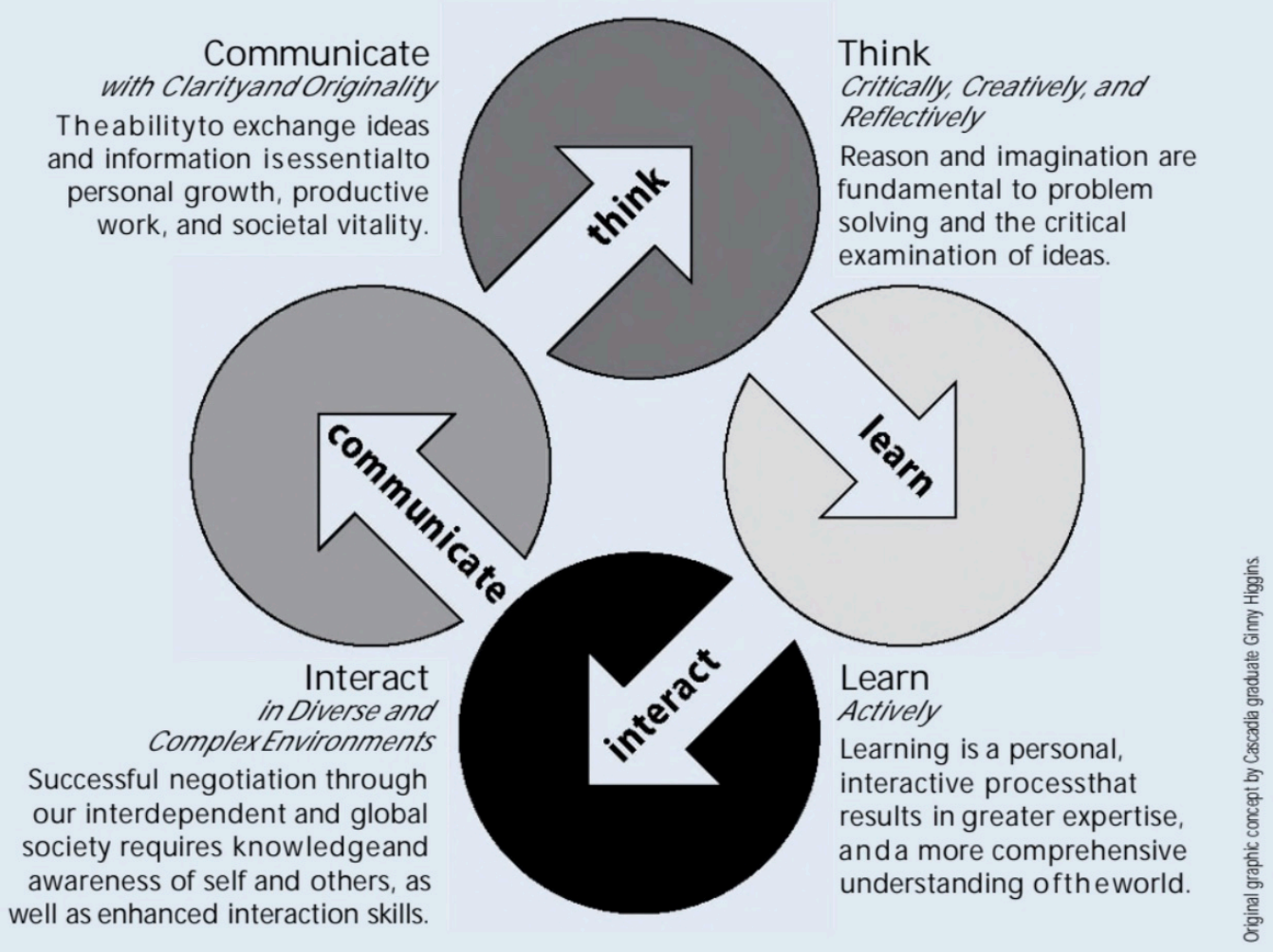
Think: Learners will acknowledge the complexities of specific social issues and analyze underlying assumptions and multiple perspectives on those issues. They will identify and evaluate evidence to draw conclusions about human behavior; they will distinguish between social scientific and other ways of knowing; and they will combine or synthesize course material in original and exploratory ways to apply that information to hypothetical or real-world situations.

Communicate: Learners will use oral and written communication to raise and explore important questions in the social sciences; learners will use disciplinary knowledge, texts, technology, and language to gather, process, present, and reference information.

Interact: Learners will demonstrate the ability to work collaboratively in groups and translate those skills to interactions with others; they will identify ways in which disciplinary, ethical, and professional standards shape social scientists' interactions with society; they will identify and reflect on differences between individuals, groups, communities, or societies and how those differences shape interactions, perspectives, and outcomes.

Learning Outcomes

These college outcomes are the learning goals for all Cascadia students, faculty, administrators, and staff. When practiced as lifelong learning habits, they encourage personal growth, enhance productive citizenship, and foster individual and cooperative learning. As they are assessed inside and outside the classroom, these outcomes guide learning, decision-making, and actions by all members of the college community.



Educational and Career Pathways

Cascadia Offers a Variety of Degrees and Certificates for Students

What program is right for me?

A student who wants to get a Bachelor of Arts Degree should start with an Associate in Integrated Studies (AIS) Degree.

- A student who wants to get a Bachelor of Arts or Science in Business should start with an Associate in Business Degree.
- A student who wants to earn a Bachelor of Science Degree should consult with an academic advisor to decide if obtaining an Associate in Science Degree in either Track 1 or Track 2, Associate in Biology, or Associate in Integrated Studies is the best option.
- A student wishing to concentrate on skills leading directly to employment but with some transfer options should consider an AAS -T degree.
- A student wishing to concentrate on skills leading directly to employment while also earning a bachelor's degree should consider a Bachelor of Applied Science degree. The Bachelor of Applied Science degree is also an appropriate pathway to some master and doctoral degrees.
- A student wishing to prepare for work in the shortest time possible should consider a certificate.
- Cascadia College uses Areas of Interest as a tool to help students align their interests, skills, and experiences with a career in order to select a pathway. Areas of Interests and pathways are used during the Cascadia Orientation and Registration Experience (CORE) and College 101 to help new students enroll in first-term classes aligned with their career and academic goals.
    - Business
    - College and Career Foundations (CCF)
    - Communication, Creative Arts, and Design
    - Earth Sciences, Sustainability and Environmental Studies
    - Health and Wellness
    - Science, Technology, Engineering, Math
    - Social Sciences, Human Services, and Education

Program Maps and Pathways by Areas of Interest

Area of Interest: Business

Pathways in the Business Area of Interest provide you with a foundation for a breadth of administrative, managerial and professional career options including accounting, finance, human resources, marketing and more. You will deepen your understanding of business operations, organizational structure and the processes that impact and regulate business activity. You will gain skills in the areas of legal and ethical reasoning, economic analysis, financial and managerial accounting that are critical to success in the business world.

Pathways:

- Accounting
- Business
- Economics (BA Focused)
- Economics (BS Focused)
- Office Supervision and Management

Area of Interest: Communication, Creative Arts and Design

Pathways in the Communication, Creative Arts and Design Area of Interest provide you with a foundation for several commercial and artistic careers, including as a graphic designer, animator, communications specialist or officer, broadcaster, game designer, interpreter, writer, and architect. You will deepen your understanding of design principles, audience awareness, literacy – both visual and auditory, literature, professional communication standards, genre traits, style, and the elements of argument. You will gain skills in employing user-friendly design; writing for multiple audiences; expressing ideas in different media; using technologies to entertain, argue, and inform; analyzing the visual, spoken, and written work of others; and combining media to create something new, critical to success in a Communication, Creative Arts, and Design career.

Pathways:

- Architecture
- Arts (Studio/Visual)
- Communication Studies
- English Language, Literature, Writing
- Film Studies
- Graphic Design
- Philosophy
- World Languages (ASL, Japanese, and Spanish)

Area of Interest: Earth Sciences, Sustainability and Environmental Studies

Pathways in the Earth Sciences, Sustainability and Environmental Studies Area of Interest provide you with a foundation for several interdisciplinary careers, including Marine Biology, Geology, public works, environmental safety, water resource quality and management, non-profit agency work, public policy, and lobbying. You will deepen your understanding of the interrelationship of humans and their environment, especially earth systems; ecosystems; specifics of earth, water, and air processes; and environmental cycles. You will gain skills in biological and chemical analysis, data collection and analysis, field research methods, and collaborative investigations and reporting, critical to success in an Earth Sciences, Sustainability and Environmental Studies Area career.

Pathways

- Bachelor of Applied Science in Sustainable Practices
- Environmental Sciences
- Environmental Studies
- Geology
- Marine Biology

Areas of Interest: Health and Wellness

Pathways in the Health and Wellness Area of Interest provide you with foundational knowledge and skills that will build towards future health and medical-related career areas such as medicine, veterinary medicine, naturopathy, physical therapy, occupational therapy, and more. You will deepen your understanding of social and structural mechanisms that inform health and wellness and will be immersed in interdisciplinary coursework which includes courses in math, natural science, communication and psychology. You will gain skills in problem-solving, analytical thinking and communication, all of which are critical to success in Health and Wellness related careers.

Pathways:

- Pre-Dental
- Pre-Medicine
- Pre-Nursing
- Pre-Naturopathic Medicine
- Pre-Nutrition
- Pre-Occupational Therapy
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Veterinary Medicine

Area of Interest: Social Sciences, Human Services and Education

Pathways in the Social Sciences, Human Services and Education Area of Interest provide you with a foundation for several wide-ranging careers, including law, social work, education, business, research, diplomacy, nonprofit administration, public service and philanthropy. You will deepen your understanding of human behavior (both individual and collective), governing institutions and structures, global issues and concepts, comparative cultures, historical thinking and patterns, ethical considerations, and data use. You will gain skills in critical, creative, and reflective thinking and writing; data interpretation and analysis; understanding causal relationships; research; working with diverse populations in varying contexts; and an understanding of differing societal contexts, critical to success in a Social Sciences, Human Services and Education career.

Pathways:

- Anthropology
- American Indian and Indigenous Studies
- Criminal Justice
- Early Childhood Education
- Elementary Education (1-5)
- Education – Middle or Secondary (6-12)
- Emergency Management
- Global Studies
- History
- Human Services
- Political Science
- Psychology
- Sociology

Area of Interest: College and Career Foundations (CCF)

Pathways in the College and Career Foundations (CCF) Area of Interest provide you with a foundation for further education and careers, including transition into college-level courses. You will deepen your understanding of English, math, and content related to the GED and high school programming, depending on your needs. You will gain skills in reading, writing, math, speaking, and listening, critical to your education and work goals.

Pathways:

- Adult Basic Education
- English Foundations
- English Foundations (International)
- English as a Second Language
- GED Prep
- High School +

Area of Interest: Science, Technology, Engineering and Mathematics (STEM)

Pathways in the Science, Technology, Engineering and Math (STEM) Area of Interest provide you with a foundation for several rewarding science and math careers, including medicine, data science, pharmaceuticals, engineering, higher ed and K-12 teaching, public service, civil works/building trades, aeronautics, network engineering, biochemical laboratory research, and computer science—hardware and software. You will deepen your understanding of how society can advance technologies and can propose practical solutions, symbolic language and expression, theories of motion, theories of space and time, and the macroscopic and microscopic world. You will gain skills in problem-solving, data collection and quantitative analysis, drawing evidence-based conclusions, research methods, applying and testing theories and hypotheses, working collaboratively, and safe laboratory methods critical to success in a STEM career.

Pathways: Transfer:

- Aerospace Engineering
- Bioengineering
- Biochemistry
- Biology
- Civil Engineering
- Chemical Engineering
- Chemistry
- Computer Engineering
- Computer Science
- Data Science
- Electrical Engineering
- Environmental Engineering
- Game Design or Development
- Informatics

- Mathematics
- Mechanical Engineering
- Physics & Astronomy

Professional Technical:

- Business Office Technology
  - Office Supervision and Management
  - Office Applications
- IT Infrastructure Operations
  - Cloud Computing Engineer
  - Desktop Support
  - Network Engineer
  - Security Support
  - Server Administrator
  - Virtualization Specialist
- Application Development
  - Computer Programming Foundations
  - JavaScript Programming
  - Web Applications
  - Web Foundations
- Bachelor of Applied Science in Mobile Application Development:
  - Mobile Application Development
  - Android
  - Mobile Backend
  - IOS
- Bachelor of Science- Computer Science

Degree Programs

Academic Transfer Degrees

An associate degree prepares you for employment or for transfer to a 4-year college. To receive an associate degree, you must complete 90-105 credits (2 years of full-time study), complete at least 25 of your degree credits at Cascadia, and receive a grade point average (GPA) of at least 2.0 in all courses that apply to your degree, including courses at other colleges.

If you plan to apply for transfer to a 4-year college, contact the admissions office and an academic advisor in your chosen major at that college to confirm admission requirements. You do not need to complete a degree at Cascadia to be eligible to transfer to a 4-year college. Your transfer will be simplified if you complete a degree with a DTA or MRP.

Degrees which have the DTA (Direct Transfer Agreement) indicator are designed to allow you to transfer degree credits to most public 4-year colleges in Washington. Degrees which have the MRP (Major-Related Programs) take the DTA one step further by specifying the prerequisite coursework that will provide the best preparation for entry into certain competitive majors.

Transfer Degrees:

- Associate in Arts Academic Transfer DTA (Integrated Studies)
- Associate in Biology DTA/MRP
- Associate in Business DTA/MRP
- Associate in Computer Science DTA/MRP
- Associate in Pre-Nursing DTA/MRP
- Associate in Science-Transfer Track 1: Biological, Environmental Resources, Chemistry, Geology and Earth Sciences
- Associate in Science-Transfer Track 2: Engineering, Physics, and Atmospheric Sciences
- AS-T Track 2 Engineering: Bioengineering and Chemical Engineering MRP
- AS-T Track 2 Engineering: Civil and Mechanical Engineering MRP
- AS-T Track 2 Engineering: Computer and Electrical Engineering MRP

Professional Technical Transfer Degrees

Associate in Applied Science

An associate in applied science (AAS-T) degree is designed to prepare you for employment in a specific field and has limited transferability. An AAS-T contains a minimum of 20 credits of generally transferable academic core courses. An AAS-T typically transfers to applied baccalaureate degrees or by an articulation to a specific university. All AAS-T degrees require you to complete 90-98 credits, or 2 years of full-time study.
Click here for more information on workforce education and our professional technical education support programs.

Associate in Applied Science Transfer Degrees:

- Application Development
- Emergency Management
- IT Infrastructure Operations
- Office Supervision and Management
- Water Resource Management

Complete Your Bachelor's Degree at Cascadia

Students can build upon their already valuable two-year degrees by completing their Bachelor of Applied Science right here at Cascadia. The Bachelor of Applied Science (BAS) is a baccalaureate degree with a major in a technical field that has substantial applied content. Applied bachelor's degrees arguably offer the best of both worlds: hands-on career training embedded in a two-year stackable degree. Employers seek Cascadia graduates because they have technical expertise combined with communication, computation, critical thinking and people-management skills.

The Bachelor of Science in Computer Science
This four-year degree equips students for IT careers in programming, software engineering, and data science across various industries. Computer Science requires creativity, collaboration, and analytical problem-solving skills. Students gain a strong foundation in computing principles through a combination of individual study and collaborative projects, allowing them to apply their knowledge to solve practical and engaging problems. For more information contact the program's advisor, Erika Miller at emiller@cascadia.edu.

The Bachelor of Applied Science Degree in Sustainable Practices
This four-year degree is intentionally designed to prepare students as sustainability professionals who can build resilience and implement meaningful change in response to complex social, environmental, and even economic problems. The BAS in Sustainable Practices is intended for students who have completed an associate degree in a related subject or meet the distribution requirements through prior college coursework. It is designed as a full-time or part-time program to help students with full schedules to complete the program in either 2 or 3 years. A small cohort of students will work closely with faculty and a dedicated program advisor to complete 90 credits of upper division coursework. Courses are generally scheduled Monday - Wednesday two or three days a week, in the late afternoon and early evening. For more information check the BAS in Sustainable Practices website or contact the program's dedicated advisor, Stephan Classen, by email at sclassen@cascadia.edu and by phone at 425.352.8387.

The Bachelor of Applied Science Degree- Information Technology: Mobile Application Development
This four-year degree focuses on Mobile Application Development. This program is designed to meet current industry demands in the field of Information Technology related to full-stack systems design across major mobile platforms. Students, will finish the program with a professional portfolio that demonstrates app development expertise from design through launch and beyond including crash monitoring. Learn Android Application Development, iOS Application Development, and Mobile Backend Services in this unique bachelor degree. Build off of existing programming coursework, and work toward a bachelor degree in this growing desired skill set within the IT industry. For more information, check the BAS in Mobile Application Development webpage or contact the program's advisor, Erika Miller at emiller@cascadia.edu.

Certificate Programs

Professional Technical Certificates

A professional technical certificate gives you the knowledge and skills you need for a specific job. All certificate programs take less than 2 years to complete. They are coordinated with Cascadia's professional technical degrees and associate degrees to make it simple to continue your education if or when you choose.

Professional Technical Certificates:

Android Application Development
This certificate focuses on the skills required by IT professionals who develop mobile apps for Android devices. The certificate provides students with native Android design and implementation experience utilizing agile development methods, input from stakeholders, peer and professional review, integrated testing, and structured team collaboration. Students build knowledge and skill by contributing to several mobile apps, culminating in a portfolio-ready capstone project.

Cloud Computing Engineer
This certificate prepares students for the dynamic and rapidly evolving field of cloud computing, providing them with a comprehensive understanding of its foundational technologies and advanced applications. The skills and topics include courses on fundamentals and advanced networking, foundations and advanced cloud topics for the solution architect, and an array of virtualization platforms and technologies.

Computer Programming Foundations
This certificate provides students with the solid foundation that's necessary to succeed in computer programming, either on the job or after they've transferred to a four-year college/university. Students master fundamental computer programming topics, such as control structures, functions and procedural programming, object- oriented programming, sorting and searching algorithms, recursion, abstract data types (e.g., stacks and queues), linked lists, and binary trees.

Desktop Support Technician
This certificate prepares students by developing the extensive technical knowledge and troubleshooting skills needed to provide Information Technology (IT) services to companies through help desk support. This certificate focuses on skills required by IT professionals who support end users and troubleshoot desktop environments. Key topics include computer maintenance and troubleshooting skills with an emphasis on desktop support for clients in a Microsoft Windows and Linux operating systems in client/server network environments.

Emergency Management
This certificate program is designed to prepare the next generation of emergency management practitioners. The certificate prepares you to work in emergency planning and training programs, coordinate disaster response and recovery efforts, and navigate the administrative and technical demands of disaster and emergency management efforts. The certificate is specifically designed to prepare graduates for generalist positions in emergency management related organizations.

iOS Application Development
This certificate prepares student for work in iOS development on devices like the iPhone, iPad, Apple Watch, and Apple TV. The certificate provides students with native iOS design and implementation experience utilizing agile development methods, input from stakeholders, peer and professional review, integrated testing, and structured team collaboration. Students build knowledge and skill by contributing to several mobile apps, culminating in a portfolio-ready capstone project.

JavaScript Programming
This certificate provides a foundation in the web technologies necessary to create and/or maintain web sites that use JavaScript to provide client-side functionality. The program provides the fundamental skill sets needed to work effectively with current web programming standards and tools to create high-quality, JavaScript-enabled websites.

Mobile Backend Development
This certificate develops the required skills for work as a backend developer to support full-stack development of mobile applications. The certificate provides students with SQL and NoSQL database experience, API development coding practices, and development methodologies suitable for deploying apps on modern cloud-based systems. Students build knowledge and skill by contributing to several mobile apps, culminating in a portfolio-ready capstone project.

Network Engineer
This certificate prepares students with skills for Local Area Network (LAN) and Wide Area Network (WAN) system administration. Students will experience the essential skills of networking with depth of study in TCP/IP, routing, switching, logical addressing, and troubleshooting methodologies.

Office Applications
This certificate curriculum includes key office software applications and an opportunity to earn Microsoft Office Specialist certifications in Word, Excel, Access, and PowerPoint. The program provides complementary skills utilized by employees in various office positions within a company

Security Support Technician
This certificate prepares students for the field of Cybersecurity. The certificate is designed to provide students with a broad understanding of network and computer security combined with depth of study in security vulnerabilities. Students will how to implement security measures to analyze an existing network topology.

Server Administrator
In this certificate students learn the foundational skills necessary to support data networks, and troubleshoot and repair computer systems for end users. Students will design and implement a variety of network infrastructures, design, install, configure, and optimize server environments to provide high availability for data networks.

Virtualization Specialist
In this certificate students will learn the virtualization technologies for application, desktop, server, and routing and switching network infrastructures. Design virtual networks to support cloud environments. Students will create virtualization strategies for dynamic IT business solutions, and practice a multitude of virtualization solutions for physical and virtual infrastructures.

Water Resource Management
The Water Resource Management Certificate integrates technology and the natural sciences with an emphasis on water quality and the environment. This certificate is designed for the student with prior employment history and/or education and is interested in redirecting their career.

Web Applications
This certificate provides an overview of web application development, with a focus on ASP.NET/SQL Server development, to students with some previous programming experience. Students gain first-hand experience designing data driven web applications; accessing databases securely; and developing three-tier application architecture: presentation, logic and data, and using an agile application development process.

Web Foundations
This certificate provides a foundation in the web technologies necessary to create and/or maintain websites. The program provides the fundamental skill sets needed to work effectively with clients in team settings using current web standards and tools to create high-quality, easy-to-use websites.

Kodiak Corner/Student Services

The Kodiak Corner is located on the first floor of CC1. Services provided at the Kodiak Corner Front Counter include, but are not limited to:

- Assistance with the admissions processes
- English and/or Math placement assessment
- Pick up purchased ORCA bus passes
- Enroll, drop, or withdraw from classes
- Receive general financial aid information (also available online)
- Make an appointment to meet with an academic advisor
- Check in for appointments
- Inquire about Student Accessibility Services

Student Advising and Success Services, Enrollment Services, Career and Transfer Services, Student Accessibility & Support Services, Running Start, Veteran Services and Financial Aid are housed in the Kodiak Corner. Students should check in at the Kodiak Corner to access these services. Additional information and online services are available at Cascadia's website.

Applying for Admission

How to Apply

Admission

Adult members of the community 18 years or older, or those with a high school diploma or GED, are eligible to enroll in courses at Cascadia College. Please refer to the special admissions section in this catalog for a description of the allowable exceptions.

Degree Seeking (Matriculated) Students

Students may begin their education at Cascadia College any term. Since enrollment dates are determined by the date of completion of the application process, students are encouraged to apply for admission as early as possible. All students seeking a degree or certificate must apply for admission.

Admissions process involves the following steps:

1. **Complete an admissions application** available online at Cascadia's Getting Started webpage.
2. **Determine appropriate skill level in reading/writing and math.** Students must demonstrate competency in English and Math before enrolling for classes. Students may show Smarter Balanced Assessment scores, High School transcripts, SAT scores, ACT scores, request Placement Reciprocity from another Washington community college, show completed college-level coursework via unofficial transcripts, credit-earning Advanced Placement/International Baccalaureate scores, complete English Directed Self-Placement, or take Accuplacer for placement.
    - For first-time college students with no prior college experience, send unofficial placement documents to admissions@cascadia.edu.
    - For students with prior college experience, email unofficial transcripts from all colleges previously attended to advising@cascadia.edu and schedule an appointment to meet with an Academic Advisor.
    - For more information, please visit our placement website.
3. **Enroll in classes** either at CORE or with an Academic Advisor. New students, with no prior college credit must attend Cascadia Orientation and Registration Experience (CORE) in order to register/enroll for classes. Transfer students must meet with an Academic Advisor before their first term to enroll.
4. **Pay tuition and fees by the term deadline.**

Non-Degree Seeking (Non-Matriculated) Students

Students not seeking a degree or certificate from Cascadia are considered non-degree seeking students and may enroll for up to twenty-four credits per term. First time non-degree seeking students without prior college credit may enroll after attending a Cascadia Orientation and Registration Experience (CORE) session. Students must demonstrate that they have met course prerequisites for any given course in which they wish to enroll. Non-degree

seeking students can demonstrate that they have met the course prerequisites by providing college transcripts, or by having taken the Mathematics and/or English placement either at Cascadia or at another Washington state community college within the last 24 months.

Non-degree seeking students who wish to seek an exception to a prerequisite requirement must meet with an Academic Advisor. The Academic Advisor reviews all relevant and supporting documents for the prerequisites and completes the advisor portion of the Prerequisite Petition Form. The Academic Advisor submits all relevant supporting documents to the Student Learning Office. The Dean for Student Learning will designate a faculty member to consider the appeal and render a decision. Non-degree seeking students have access to and are encouraged to seek the assistance of Cascadia's Academic Advisors.

Placement Assessment

Most courses at Cascadia require an assessment of a student's skill level in English and Math in order to determine whether or not a student is prepared to succeed in the courses. These assessments are not pass/fail in nature but are tools to assist advisors with appropriate class selection.

Students who have successfully completed college-level English composition are exempt from placement assessment in related areas, as are students who have successfully completed college-level Mathematics within the last 24 months. Transcripts with completion of college-level English and/or Mathematics will be needed to establish placement for enrollment.

Students who attended public high schools within Washington State may be eligible for English and Math placements. The Washington State high school transcript will be needed to determine eligibility.

Students who received placement from another Washington Community or Technical College can request equivalent placement with Enrollment Services. To request Placement Reciprocity, email placement documents to enrollment@cascadia.edu and in the subject line note Placement Reciprocity.

Students may be eligible for placement with SBA, SAT, ACT scores. Students will need to submit scores to determine placement eligibility.

Visit our Placement webpage for more information on placement eligibility.

Photo identification may be required for placement and assessments.

Transcript Evaluation

Credits earned at colleges or universities that are recognized by a regional accreditation association or foreign transcripts that are recognized by the origin country's Ministry of Education are accepted for evaluation to transfer towards your degree or certificate at Cascadia College.

Cascadia will accept no more than five (5.0) credits of "D" level work. All courses accepted in transfer from other colleges which are used to satisfy degree requirements must average at least a minimum of 2.0. See "Graduation Requirements".

Credit for prior learning by transcript evaluation includes any transcripts from previous accredited colleges and military training as well as credit earned through National Standardized tests such as the Advanced Placement (AP), International Baccalaureate (IB) or Cambridge International Examination tests. A maximum of 30 credits are eligible for transfer. Transcript evaluation is coordinated through the Enrollment Services Credential Evaluation team.

A student who has earned a four-year degree is not required to submit official transcripts unless credits from previous colleges are to be used toward a degree at Cascadia. However, unofficial transcripts may be required to provide evidence of placement level before registration in certain courses.

High School Transcripts

Students who are currently in high school or have graduated high school within the last five years may be eligible to use their high school transcript to determine placement. Students who completed a high school math class from a Washington State public high school within the last five years and received a C or higher in their second semester

may use their high school transcript for math placement. Students who completed at least 11th grade English and have a cumulative GPA of 2.5 or higher may use their high school transcript to determine English placement. High school transcripts may also be used in determining chemistry, physics, and world language placement.

Transcripts for Veterans

All students receiving educational benefits from the Department of Veterans Affairs are required to submit all official transcripts. This includes transcripts from prior colleges and military training including those before, during, and after active duty. Transcripts should be submitted prior to the end of the veteran's first term of attendance to continue to remain eligible to use VA benefits at Cascadia. Cascadia reserves the right to request official transcripts be submitted sooner than the first term, if deemed necessary, based on the veteran's educational history.

Cascadia will award academic and vocational credit for military transcript training. Credit will be awarded from a student's Joint Services Transcript (JST) based on recommendations from the American Council on Education. As an accredited college, courses from the Community College of the Air Force will be accepted in transfer with the same consideration as courses from any other accredited institution of higher education.

Other training or experiences for which a student would like to receive credit will be assessed through the Credit for Prior Learning process.

Reciprocity Agreement

Washington community and technical colleges (CTCs) offer reciprocity to students transferring within the CTC system who are pursuing the Direct Transfer Agreement (DTA) degrees. Students who completed an individual course that met distribution degree requirements, diversity requirements, or fulfilled entire areas of their degree requirements at one college will be considered to have met those same requirements if they plan to complete the same degree when they transfer to another community or technical college in Washington. These degree requirements include communication skills, quantitative skills, diversity requirements, or one or more distribution areas (Humanities, Social Science, and Natural Science).

Students must initiate the review process and must be prepared to provide necessary documentation. For additional information, please visit our Placement webpage.

Running Start Program

The Running Start program provides the opportunity for eligible high school juniors and seniors to take college-level courses at Cascadia College tuition-free. Students may enroll part-time or full-time while earning both high school and college credits simultaneously.

To participate, students must:

- Be enrolled in a Washington State public high school or public school district-affiliated homeschool program.
- Be classified as a high school junior or senior. Current sophomores may begin in the summer before junior year.
- Place into English 95 or higher based on placement.

Running Start covers the tuition of college-level courses (numbered 100 and above), up to a maximum college credit limit determined by the high school counselor. Students are responsible for the following costs:

- Courses below college level (e.g., English 95)
- Mandatory college fees (e.g., technology fees, student activity fees, activities and recreation center fees)
- Textbooks, supplies, and transportation/parking costs

Students who are currently, or have previously been, enrolled in Free or Reduced-Price Lunch programs may be eligible for a waiver that covers the mandatory college fees. Additional financial support for textbooks, supplies, and other educational expenses may be available through Cascadia College or partner programs.

New Running Start Students Admissions Process

To apply for the Running Start program, follow these steps:

1. **Apply for General Admission -** Complete and submit Cascadia College's online admission application. Ensure you select "Running Start" and "Academic" as the application type.
2. **Submit Required Running Start Application Materials -** Upload all completed documents through the Running Start online upload portal by the published deadlines. Required materials include:
   - Running Start Contract
   - Enrollment Verification Form (EVF)
   - English Placement document
   - Math Placement document
   - Release of Information ROI - optional; complete online ROI form
3. **Register for CORE (Cascadia Orientation and Registration Experience) -** Once the placement documents and Running Start Contract have been processed, students will receive a welcome email from runningstart@cascadia.edu. This email will include a link to register for CORE (Cascadia Orientation and Registration Experience). Students may not attend CORE until their documents are processed.
4. **Meet with the High School Counselor** - Schedule a meeting with your high school counselor to complete the Enrollment Verification Form (EVF). Upload the signed EVF through the online upload portal. Note: Some schools require students to complete the EVF after each Cascadia term class schedule is published, approximately two weeks before the first CORE session.
5. **Pay Fees and Any Applicable Tuition -** Student fees and any tuition owed must be paid by the term tuition deadline. Unpaid fees any any owed tuition may result in removal from registered classes. Refer to the **Running Start website for important deadline information.**

Cascadia College recommends that students discuss the Running Start program with their parents/guardians and high school counselors.

For more information, visit the Running Start page on Cascadia's website or email runningstart@cascadia.edu.

Continuing Running Start Students

Students must submit a new Enrollment Verification Form (EVF) every term that students attend Running Start. On week 6 of every term, students should work with their high school counselor to complete the Enrollment Verification Form (EVF) for the next term. Submit the completed EVF with all required signatures through the online upload portal. Please allow 3 business days to process the EVF. Check Cascadia's website to learn more about the upcoming term registration dates.

Underage Admissions

Cascadia College does not wish to duplicate or replace the functions of local high schools. However, eligible high school students may request special admission to take specific courses at the college on a term basis. Underage students (9th -12th grade level status) who are not Running Start students may enroll under exceptional circumstances. Eligible high school juniors and seniors seeking enrollment as an underage student on a long-term basis should explore admissions through our Running Start Program.

Students eligible to request the Underage Admissions program would be under the age of 18 years, in the 9th - 12th grade of high school, and have placement of English 95 or above are eligible to participate in the Underage Admissions Program.

To qualify for an exception to Cascadia's general admission requirements as an underage student, complete the following steps.

1. **Complete an admissions application** available online at Cascadia's Getting Started webpage.
2. **Demonstrate academic preparedness** with placement into English 95 or above.
3. **Download an Underage Admissions Packet** available at the Enrollment webpage in the Forms section, under Admissions. Read through the packet and submit the following completed:
   - School District Enrollment Release Form
   - Parent/Student Release Form
   - Most recent Official High School Transcript
   - A written statement from the school principal or counselor from the school district documenting why enrollment in the specific college course is necessary
   - Copy of qualifying scores showing placement into English 95 or above

4. **If approved for Underage Admissions, sign up and attend CORE C**ascadia's **O**rientation & **R**egistration **E**xperience. At a CORE session, students will:
    - Receive an introduction to Cascadia's programs, services, and degree options
    - Learn about resources available for students' academic and personal success
    - Get help from an academic advisor in interpreting placement test scores and choosing courses that promote academic success
    - Learn how to search for classes, enroll into classes, add or drop classes, and waitlist for the upcoming term
5. **Pay tuition and fees** by the term deadline.

Students will be expected to adhere to Cascadia's Academic Standards and Progress. Students who plan to apply credits earned at Cascadia towards completion of a high school diploma are responsible for consulting the high school counselor to ensure that the college classes meet high school graduation requirements. College officials are not responsible for advising students as to whether or not a college class will meet high school graduation requirements.

Adult High School Completion

Cascadia's Adult High School Completion program enables adults 18 years and over to complete credit-bearing course work for a high school diploma. Reduced registration fees are available to Washington state residents who are 19 years of age or older. The reduced rate is available for all courses applicable to a high school diploma issued by Cascadia.

All prospective students must meet with the High School Completion academic advisor. These appointments are scheduled by completing the Appointment Request Form. Prior to the appointment, students must send official transcripts from all high schools attended to Cascadia College. Unofficial transcripts may be sent by email to advising@cascadia.edu.

College and Career Foundations

For general information about English language classes, adult basic education, and adult high school options, please visit the Getting Started webpage and in the College and Career Foundations section. College and Career Foundations (CCF) includes English Foundations, ESL, and Adult High School Options.

English Foundations and ESL

A language skills assessment is used to determine the placement level of English learners into English Foundations (EF) and ESL classes. Testing is offered at scheduled times throughout each term. Contact the College and Career Foundations office for orientation and testing information at eslabe@cascadia.edu or call 425.352.8158.

Adult High School Options

Cascadia's High School+ program helps adults 18 years or older complete a high school diploma by applying prior high school credits and work/life experience to high school graduation requirements.

For more information, email eslabe@cascadia.edu or call 425.352.8158.

High school equivalency certificate (GED®) test preparation courses are available. High school equivalency courses are intended to prepare students without a high school diploma to pass the high school equivalency examination. Call College and Career Foundations at 425.352.8158 or email eslabe@cascadia.edu.

International Programs

International Student Admissions

Cascadia welcomes international students! International students can enroll at Cascadia College by meeting the following admission requirements.

1. **Complete the International Student Application for Admission.**
2. **Submit required supporting documents** including proof of financial support, copy of photo page of passport, and secondary or high school transcript. Submitting proof of English proficiency is not required for the English Foundations Programs. Submitting the official score of TOEFL 70, IELTS 6.0, Pearson PTE 48, iTEP 4.0, STEP/Eiken Pre-1, Duolingo 95 (production 75), or SAT 480 ERW Section is required for the direct College Program placement.
3. **Submit the non-refundable application fee.**
   Cascadia College International Programs has set application deadline dates. Most students from overseas are accepted up to one month prior to the first day of Orientation. This will allow students sufficient time to apply for the student F-1 visa, arrange for housing and make plans for moving to the United States. Application deadline dates for the 2025-2026 academic year are below:

Term	Program Dates	Suggested Dates to Apply by
Summer 2025	July 1, 2025 – Aug. 21, 2025	by May 23, 2025
Fall 2025	Sept. 24, 2025 – Dec. 12, 2025	by Aug. 11, 2025
Winter 2026	Jan. 5, 2026 – Mar. 20, 2026	by Nov. 21, 2025
Spring 2026	Mar. 30, 2026 – June 12, 2026	by Feb. 27, 2026

Transfer students from other US schools must apply no later than one week prior to the first day of Orientation. For more information, contact the International Programs Office at 425.352.8415, international@cascadia.edu, or visit our website.

International Transfer Process

International students wishing to transfer to Cascadia are responsible for informing their current school of their plans and the International Student Advisor from that school must complete a Transfer In form for the student. Once Cascadia receives the Transfer In form, and the student has been admitted to Cascadia, the transfer process may proceed.

Study Abroad Program

Studying abroad while you are in college allows you to earn college credit while living in and experiencing another country and culture. All Cascadia students can study abroad, including Running Start students, international students, and veterans.

Cascadia College is able to offer study abroad opportunities as a part of the Washington State Community College Consortium for Study Abroad, or WCCCSA. Through WCCCSA, we partner with other community colleges in Washington to send students together to study in other countries. For all WCCCSA programs, we work with 3rd party providers in-country who specialize in running study abroad programs. We offer both term-long and short-term programs abroad. For more information, contact the International Programs Office at 425.352.8415, international@cascadia.edu.

Academic and Career Planning

First Year Student Orientation

Cascadia College offers a "just in time" orientation model to prepare students for success. Offering four steps, the purpose of orientation is to provide students with the information they need at the time it is most relevant to their college planning.

1. **Attend an Information Session** to learn more about the college and programs offered.
2. **Attend Cascadia's Orientation and Registration Experience (CORE).** At CORE, students with no prior college experience will get help interpreting placement scores, choosing courses, and enrolling into classes. Sign up for CORE is on a first come, first served basis.
3. **Participate in Jumpstart.** At Jumpstart, students will meet new and current students, familiarize themselves with important campus resources, and learn how to make the most of all the opportunities available at Cascadia.
4. **Enroll in a College Strategies course (COLL 101).** Students need to enroll in COLL 101 within the first 30 credits earned at Cascadia College. This course is a requirement for all transfer degrees and ENGL& 102 at Cascadia. In COLL 101, students will be introduced to Cascadia's learning model and build on the foundation for success created in the earlier steps by establishing ownership and control over their education.

Academic Advising

Academic advising provides students with the necessary information to make sound academic decisions and educational plans. Advisors assist students with information about admissions and graduation requirements, course placement and selection, and transcript evaluation. Through advising, students make the connection between academic interests, degree requirements, and career opportunities. Academic Advisors are available to assist with long-term educational planning and the transfer process. To schedule an advising appointment or drop-in with an Academic Advisor, visit the Academic Advising webpage. Students may ask advising related questions by emailing advising@cascadia.edu and include their name and last 4 digits of their ctclink ID number. Emailed inquiries are usually answered within two business days. Many resources and student services are available at Cascadia's website including Academic Programs/Areas of Interest, degree requirements, planning guides, and university transfer information.

Career and Transfer Services

Career preparation and exploration, and transfer services are available to students who are exploring career options and preparing to transfer to a university. Services available include:

- Career and interest assessments
- Career and major exploration
- Transfer planning
- Transfer fairs and visits from college representatives
- Career exploration and transfer planning theme workshops
- Resume and cover letter resources
- Online job board for campus and community job opportunities

For more information, check out the University Transfer webpage.

Internships

Cascadia College believes that the opportunity to gain experience in an occupation of interest to the student is invaluable. Cascadia's students enrolled in the college's professional/technical programs are often required to complete an internship as part of their curriculum. Students in transfer programs who find internships often wish to receive college credit for those internships. Internships combine work experience with earning college credit. All students are eligible for internship experiences. Internships extend a student's skill acquisition into workplace settings and can be paid or unpaid.

Internships allow students to explore where they fit in the business world. Employers can preview emerging talent and expand their company talent base with the newest skills.

A Learning and Training Agreement brings together the student's goals, the employer's interest, and the measurable outcomes that the supervising faculty member will evaluate.

For professional-technical internships contact workforceed@cascadia.edu. For non-professional/technical internships, contact studentlearning@cascadia.edu.

Enrolling in Classes

Enrollment Information

The Class Schedule is available online and is searchable by term. The Class Search contains course information needed to enroll in classes. Continuing students will receive enrollment information each term via email. Students with the greatest number of accumulated credits earned will enroll first. Priority enrollment is available for certain population of students.

Class Status

Students must be officially enrolled in order to attend classes. Students on the waitlist for classes may attend those courses during the first week of the term to not fall behind in the coursework but should communicate with their instructor for permission to enroll.

Course Prerequisites

Students who do not meet course prerequisites at the end of a term may be administratively withdrawn from the future term class(es) with unmet enrollment requirements.

Class Audits

Students who audit a course must meet course prerequisites, enroll and pay for the course (full tuition and fees), and participate in class work at the instructor's discretion. No credit is earned, and the audit grade of "N" is not used in the GPA calculation. Up to the end of the second week of the term, students may initiate, without instructor's permission, a change to or from audit status. From weeks three through six of the term, instructor permission is required. After the sixth week, no change in status may be made. (Deadlines are adjusted for summer term. Please see the Summer Enrollment Calendar for dates). Running Start students are not permitted to audit classes.

Waitlists

The waitlist feature offers students a fair and consistent method of being enrolled in a full class if an opening occurs. Students may waitlist for up to **16 credits**. Students may add their name to the waitlist until the day before the term begins. The waitlist stops running the night before the term begins. Students are responsible for:

- **Checking their waitlist status daily** to see if enrollment occurred from the waitlist.
- **Paying tuition and fees by the tuition deadline.** If enrollment from the waitlist occurs after the tuition deadline, tuition and fees are due within two business days of enrollment. Non-payment may result in the class being dropped from the student's schedule.
- **Clear holds** on student accounts including any outstanding balances or unpaid fees prior to the enrollment. If a student has not cleared holds, the student will not be added from the waitlist.
- **Removing their name from the waitlist** if they no longer want to be in the class. If students do not remove themselves from the waitlist for an unwanted class, they may be enrolled into the class automatically, incur tuition and fees, and/or receive a failing grade. Students are responsible for managing their own class schedules and waitlists.

Criteria that prevents waitlist enrollment.

- If adding the waitlisted class will result in a schedule that exceeds the maximum amount of 24 credits for which a student may be enrolled into. Students can work with their Academic Advisor for permission to over-enroll in credits.
- The waitlisted class presents a time scheduling conflict with another class in which the student is already enrolled.
- Enrolled in another section of that waitlisted class.

    - Students should SWAP the section they are currently enrolled in with the section they would like to waitlist, if the preference is to be enrolled in the waitlisted section.
    - If students ADD themselves to the waitlist for a different section of the same class (instead of using the SWAP feature), they must DROP the section in which they are enrolled before they will be moved from the waitlist.
- Enrollment in only one part of a combined class section.
- Prerequisites of the waitlisted class are not met.

If students are not enrolled from the waitlist due to any of these, the student will be passed over and the next eligible student on the waitlist will be auto-enrolled.

Maximum Attempts in a Class

A student may not enroll in a course more than three times, including attempts resulting in a "W" grade. This rule applies to all credit-bearing classes, including those numbered below 100. However, students may enroll in variable credit courses, such as internship credits, as many times as necessary to complete the entire curriculum and earn the **required number of credits**.

Students facing extenuating circumstances—such as medical or military withdrawals, a required course for a credential with limited or no substitute options, a significant break in enrollment, grade forgiveness, or mandated training for employment—may petition the Director of Student Advising (or their designee) for permission to enroll in a course for a fourth time by completing the online Petition to Exceed Maximum Enrollment Attempts in a Class form.

Academic Blocks / Blocks on Records

Students who have been placed on academic intervention, academic suspension, did not complete the Student Financial Responsibility Agreement (SFRA), or who have outstanding debts owed to the college (such as Financial Aid repayments, unpaid tuition and fees, late or unreturned equipment rentals, etc.) will not be allowed to enroll or make class schedule changes until these have been cleared. The follow up to resolve the release of such blocks on a record may take up to five business days or more. For more information, contact Enrollment Services at enrollment@cascadia.edu.

Schedule Changes

Class schedule changes may result in additional tuition, fees, or tuition refunds.

Changes to a student's class schedule may impact their financial aid status for that term. Therefore, students receiving financial aid should contact the Financial Aid Office to determine how changes can affect aid.

Add a Class

- Students may add classes to their schedule through the second day of the term using their online ctclink account, unless the course is full/waitlisted, in which case, students will need to work with their instructor to fill out a Class Enrollment Form Request. The form must contain the instructor's signature and specific permissions the instructor is allowing. If sent electronically, the completed form must be sent to enrollment@cascadia.edu from the instructor's Cascadia email account.
- Students must enroll with Enrollment Services from the third through the tenth day of the term (date is adjusted for summer term) with instructor permission by submitting the Class Enrollment Form Request mentioned above.

Drop a Class

- Students may drop classes through the tenth day of the term (date is adjusted for summer term) using their student ctclink account or emailing Enrollment Services at enrollment@cascadia.edu.
- Instructor permission is not required.
- Neither the class nor grade will appear on the student's transcript for courses dropped during this period.

Withdraw from a Class

- Beginning the 11th day of the term through the end of the eighth week of the term (date is adjusted for summer term), students can withdraw from classes online using their student ctclink account or emailing Enrollment Services at enrollment@cascadia.edu.
- A "W" grade will appear on the student's transcript. Students who fail to follow the procedure for officially withdrawing will receive a grade in accordance with the instructor's grading policy.

Administrative Withdrawal from a Class

- Students who fail to attend class by the end of the second class meeting or fail to contact their instructor regarding their attendance in class by the end of the second class meeting or who fail to log in within the first 72 hours of an online course may be administratively withdrawn from the class at the instructor's discretion.

Hardship Withdrawal

Students are allowed to withdraw from classes until the end of the eighth week of the term. The Hardship Withdrawal is a request for an exception to this deadline for cases where an extreme or unusual circumstance 1) prevented a student from withdrawing prior to the deadline or 2) occurs after the deadline and prevents the student from continuing to attend class. This process is not meant as a way for students (regardless of hardship) who attend for most of the term to avoid earning an unsatisfactory grade (as defined by the student.) It is rare for a hardship withdrawal to be approved for one but not all classes. Course performance and final grade/ expected grades are not taken into consideration when making a determination.

To be eligible, the student has to be able to document a extreme or unusual circumstance that 1) prevented a student from withdrawing prior to the deadline or 2) occurs after the deadline and prevents the student from continuing to attend class.

Prior to requesting a Hardship Withdrawal, it is recommended that students:

- Discuss concerns with instructors.
    - If applicable, request an Incomplete grade, if a majority of the coursework has been completed and the student is able to complete the remainder of the coursework without instructor or class support at the instructors discretion.
- Officially Withdraw by the last date to withdraw in the term.

Students inquiring about a Hardship Withdrawal should be referred to the Kodiak Corner or enrollmentpetition@cascadia.edu.

Requests must be submitted before the end of the term in question, unless the students circumstance prevented them from meeting the deadline to submit the petition and supporting documents.

Washington National Guard and other military reserve students ordered to service may:

- Withdraw from one or more courses and receive a refund of tuition.
- Be given an incomplete from their instructor and be allowed to complete the course upon release from duty and be given full credit based on the instructors grading policy.

Any missed class sessions will be excused absences. Upon return to campus, students will be allowed a reasonable period of time to submit missed work. There may be cases in which the student and instructor agree that the student has already completed sufficient class work to justify an earned grade. The student called to duty is required to submit written notice of call to service. The college may request the student to provide written documentation of service.

Tuition Information

Washington State Residency for Tuition and Fee Purposes

A Washington State resident must have lived continuously in Washington State for the last 12 months and established domicile. A student cannot qualify as a legal resident of Washington for tuition and fee purposes if they possess a valid out-of-state driver's license, vehicle registration, or other documents that give evidence of being a legal resident of another state. For state-supported class tuition and fee purposes, a Washington State resident is:

- One who is a U.S. citizen or one who has permanent resident immigration status, or conditional entrant status
  AND
- Has established a domicile (residence) in Washington State primarily for purposes other than educational for the period of one year immediately prior to the first day of the term and was financially independent from parent(s) or legally appointed guardian(s) for the calendar year during which college enrollment begins
  OR
- Is a financially dependent student, one or both of whose parent(s) or legal guardian(s) have maintained physical residence and domicile in Washington State for at least one year immediately prior to the first day of the term

Typically, Washington State residents document their physical residence in Washington State by showing they have done **all** of the following at least 12 months before the start of the term an in-state residency status is being requested for tuition and fee purposes:

1. Maintained a physical residence in Washington State
2. Established domicile in Washington State such as holding a;
   - Washington State driver's license or identification card.
   - Washington State vehicle registration
   - Washington State voter's registration

There are some exceptions to these general rules such as; military connected students etc.

A Washington State law determines whether students can be considered residents of Washington State eligible to pay in-state resident tuition and fee rates at public institutions (RCW 28B.15.012). This law was revised in 2003 to allow certain students attending public colleges and universities to be eligible for resident student tuition and fee rates. In 2014, the state's financial aid law was amended so these students are eligible to be considered for need-based state aid (State Need Grant) if they are attending either public or participating private colleges in Washington (RCW 28B.92.101).

For information on eligibility and the application process for State Need Grant, please visit Washington Student Achievement Council.

As of 2022, to qualify for resident tuition status and/or State Need Grant eligibility, students must complete this Washington State Higher Education Residency Affidavit if they have met the following conditions:

1. Earn a high school diploma, GED, or diploma equivalent before the student's first term at the college determining residency
   AND
2. Maintain a primary residence in Washington for at least 12 consecutive months immediately before the student's first term at the college determining the student's residency. The Washington residence must be for purposes other than college. If the student takes any courses at another Washington college during the prior 12 months, the student cannot have taken more than 6 credits in any given term. If that limit is exceeded, the student must prove having a Washington residence for non-college reasons.

Students who are requesting a residency status change and meet the above criteria must submit a signed affidavit to Enrollment Services at the Kodiak Corner or at enrollment@cascadia.edu.

For more information, definitions, and requirements, please visit the Residency and Citizenship webpage. To determine eligibility, complete the confidential WASFA Questionnaire.

Student Financial Responsibility Agreement (SFRA)

Before you can enroll for classes each year, you'll need to review and accept the **Student Financial Responsibility Agreement (SFRA)** in ctcLink. This agreement helps you understand what you're financially responsible for when you enroll—such as tuition, fees, or charges from late returns or funding changes.

By completing the SFRA, you're confirming that you understand these responsibilities and what to expect if you don't pay your balance on time. If you don't complete the SFRA, a hold will be placed on your account and you won't be able to enroll for classes. Once it's completed, the hold is removed right away, and you can enroll for the current or future quarters within the year.

You can always review your completed SFRA anytime in your ctcLink Self-Service "Tasks" menu.

Paying for Tuition

Tuition and fees are due on the term tuition deadline listed on the Enrollment Calendar webpage.

If enrolling for classes **BEFORE** the tuition deadline, tuition and fees must be paid by the term's tuition deadline. If tuition and fees are not paid by the tuition deadline, the student may be dropped from all classes.

If enrolling for classes **AFTER** the tuition deadline, tuition and fees must be paid within one business day of enrollment. If tuition and fees are not paid within one business day, the student may be dropped from all unpaid classes.

There are a few ways to pay tuition and fees.

Pay Online at the student ctcLink account with a VISA, MasterCard or American Express.

Pay by Mail. The mailed payments must be received by the tuition deadline date, not postmarked. Please make checks and money orders payable to "Cascadia College" and include the student's ctcLink ID number, first name, and last name in the memo line. Cash payments are not accepted. Tuition payments via check or money order may be mailed to:

Cascadia College, Finance Office
18345 Campus Way NE
Bothell, WA 98011

Pay via Payment Plan - Student Tuition Payment Plan (STPP)
Available for tuition balances over $1,000. Here are the plan details:

- 1st installment 1/3 of total tuition and fees and $10 Enrollment fee are due on the first day of the term
- 2nd installment 1/3 of total tuition and fees is due one month after the term begins
- 3rd installment (all remaining tuition and fees) is due two months after the term begins

Summer term follows a different timeline, please see payment plan confirmation email for details.

The $10 Enrollment Fee applies to each term signed up for the Student Tuition Payment Plan. This fee is non-refundable and cannot be waived.

Non-payment of installments by the established deadline in full may result in being dropped from all courses.

Students holding F1 visas need to get approval from the International Programs Office prior to enrolling in the payment plan.

Students may sign up for the payment plan each term by completing the Student Tuition Payment Plan form. Please do not try to apply for the Payment Plan through ctcLink, as that function is currently unavailable.

Pay by Payment Drop Box
Located outside the Kodiak Corner in the CC1 building. Payments received by the times below will be reflected in your account after one business day. For scholarship/loan payments dropped in the Payment Drop Box, please see Financial Aid to discuss payment.

- Monday through Friday at 8:00 AM (Fall, Winter, Spring)
- Monday through Thursday at 8:00 AM (Summer)

Additional Pickup on Tuition Deadline Day at 4:00 PM

Accepted form of payment for the Payment Drop Box:

- Check or money order, made payable to "Cascadia College" and include the student's ctcLink ID number, first name, and last name in the memo line

Refunds

The following refund policies pertain to state-funded credit courses.

Cascadia College will refund tuition according to the following:

- **100% refund:** Class cancellation or administrative withdrawal by the college
- **100% refund:** Drop from credit class(es) by the 100% refund deadline (on or before the 5th business day of the term, excluding weekends and holidays)
- **50% refund:** Withdraw from credit class(es) by the 50% refund deadline (beginning with the sixth business day of the term through the 20th calendar day of the term)

PLEASE NOTE: *Summer and Pre-Fall 100% and 50% refund deadlines are adjusted for the shorter instructional period.*

Refunds are processed automatically when students drop or withdraw from classes after the 100% and 50% refund deadlines.

Refunds are not given to students:

- Dismissed for disciplinary reasons.
- Do not follow official drop or withdraw procedures .
- Do not drop or withdraw by the refund deadline.

See the Enrollment Calendar for refund deadlines.

The amount of the refund will be reduced by the amount of open balances on the student's account. Refunds are processed as follows:

- Credit or Debit Card refunds will be posted to the same card used to pay within 10 business days after the refund deadline. If a card refund is not possible due to an expired card or closed credit/debit card account, a refund will be sent by mail as a check.
- Checks will be refunded as a check and mailed 4-6 weeks after the refund deadline.
- Financial Aid refunds will be processed once the student's account is reviewed for eligibility of the refund. Financial Aid refund information can be found on the Policies webpage in the Financial Aid section.

If expecting a refund, please ensure the correct address is listed on the student ctcLink account. To update a mailing address online, log into the student ctcLink account and update the mailing address in the Profile tile.

For questions regarding a refund, please contact the Finance Office at 425.352.8151 or email arfinance@cascadia.edu.

Tax Credit Information

PLEASE NOTE: *The following is general information and individuals will be affected differently based on their circumstances. Individuals should contact their tax advisor or IRS for assistance in claiming the tax credit. Students must provide their social security number on the admissions application for Cascadia or to Enrollment Services in order to receive a 1098T form.*

The American Opportunity Tax Credit (previously the HOPE tax credit) provides up to $2,500 per student on qualified tuition and related expenses for the first four years of post-secondary education. The Lifetime Learning Credit applies to all courses taken to acquire or improve job skills, whether as part-time, full-time, undergraduate, graduate,

or continuing education student. There is no limit on the number of years that the credit is available to a student. This credit lets taxpayers claim a maximum credit of $2,000 per taxpayer (20 percent of up to $10,000 paid in higher education expenses). It is available to parents of dependent students or to students who are not claimed as dependents on their parents' federal tax return. Taxpayers cannot take both the American Opportunity Credit and the Lifetime Learning Credit in the same year for the same student.

At the end of the tax year students will receive a 1098T form from the college that will list out-of-pocket expenses for tuition. The 1098T is for notification only; it cannot be sent in with taxes. To claim the tax credit, students must complete IRS form 8863. To qualify for the American Opportunity Credit Tax Credit, students must be enrolled at least half-time in a degree or certificate program, has not completed the first four years of post-secondary education as of the beginning of the taxable year, and has not been convicted of a felony drug offense. The Lifetime Learning tax credit does not require half-time enrollment. Visit the IRS for more information.

Qualified Tuition and Related Expenses

In general, qualified expenses for the education tax credits include tuition and required fees for the enrollment or attendance at eligible post-secondary educational institutions. The expenses paid during the tax year must be for: an academic period that begins in the same tax year or an academic period that begins in the first three months of the following tax year.

The following expenses do not qualify:

- Room and board
- Transportation
- Insurance
- Medical expenses
- Student fees unless required as a condition of enrollment or attendance
- Education expenses paid with tax-free educational assistance
- Education expenses used for any other tax deduction, credit or educational benefit

Four Things to Remember

1. Students must provide their Taxpayer Identification Number when applying in order to have a 1098T form generated.
2. Obtain a copy of the IRS Education Credits Tax Form 8863.
3. Recalculate the qualified out-of-pocket tuition expenses.
4. Consult a tax advisor as to whether or not the credit may be claimed.

Tuition Rates

2025 - 2026 TUITION FOR ASSOCIATE DEGREES & PROFESSIONAL/TECHNICAL CERTIFICATES

Credits	Resident	Non-Resident Eligible for Operating Fee Waiver[1]	Non-Resident	Eligible Veteran or National Guard Member[2]
1	$131.96	$150.94	$339.30	$98.97
2	$263.92	$301.88	$678.60	$197.94
3	$395.88	$452.82	$1,017.90	$296.91
4	$527.84	$603.76	$1,357.20	$395.88
5	$659.80	$754.70	$1,696.50	$494.85
6	$791.76	$905.64	$2,035.80	$593.82
7	$923.72	$1,056.58	$2,375.10	$692.79
8	$1,055.68	$1,207.52	$2,714.40	$791.76
9	$1,187.64	$1,358.46	$3,053.70	$890.73
10	$1,319.60	$1,509.40	$3,393.00	$989.70
11	$1,384.69	$1,575.50	$3,466.57	$1,038.52
12	$1,449.78	$1,641.60	$3,540.14	$1,087.34
13	$1,514.87	$1,707.70	$3,613.71	$1,136.16
14	$1,579.96	$1,773.80	$3,687.28	$1,184.98
15	$1,645.05	$1,839.90	$3,760.85	$1,233.80
16	$1,710.14	$1,906.00	$3,834.42	$1,282.62
17	$1,775.23	$1,972.10	$3,907.99	$1,331.44
18	$1,840.32	$2,038.20	$3,981.56	$1,380.26
19	$1,958.71	$2,156.59	$4,307.29	$1,469.05
20	$2,077.10	$2,274.98	$4,633.02	$1,557.84
21	$2,195.49	$2,393.37	$4,958.75	$1,646.63
22	$2,313.88	$2,511.76	$5,284.48	$1,735.42
23	$2,432.27	$2,630.15	$5,610.21	$1,824.21

Tuition Cost per-Credit	Resident	Non-Resident Eligible for Operating Fee Waiver[1]	Non-Resident	Eligible Veteran or National Guard Member[2]
1-10	$131.96	$150.94	$339.30	$98.97
11-18	$65.09	$66.10	$73.57	$48.82
19+	$118.39	$118.39	$325.73	$88.79

2025 - 2026 TUITION FOR BACCALAUREATE DEGREE

Credits	Resident Baccalaureate Degree	Non-Resident Eligible for Operating Fee Waiver[1]	Non-Resident Baccalaureate Degree	Eligible Veteran or National Guard Member[2]
1	$255.94	$274.94	$718.88	$191.96
2	$511.88	$549.84	$1,437.76	$383.92
3	$767.82	$824.76	$2,156.64	$575.88
4	$1,023.76	$1,099.68	$2,875.52	$767.84
5	$1,279.70	$1,374.60	$3,594.40	$959.80
6	$1,535.64	$1,649.52	$4,313.28	$1,151.76
7	$1,791.58	$1,924.44	$5,032.16	$1,343.72
8	$2,047.52	$2,199.36	$5,751.04	$1,535.68
9	$2,303.46	$2,474.28	$6,469.92	$1,727.64

Credits	Resident Baccalaureate Degree	Non-Resident Eligible for Operating Fee Waiver[1]	Non-Resident Baccalaureate Degree	Eligible Veteran or National Guard Member[2]
10	$2,559.40	$2,749.20	$7,188.80	$1,919.60
11	$2,572.69	$2,763.50	$7,203.10	$1,929.57
12	$2,585.98	$2,777.80	$7,217.40	$1,939.54
13	$2,599.27	$2,792.10	$7,231.70	$1,949.51
14	$2,612.56	$2,806.40	$7,246.00	$1,959.48
15	$2,625.85	$2,820.70	$7,260.30	$1,969.45
16	$2,639.14	$2,835.00	$7,274.60	$1,979.42
17	$2,652.43	$2,849.30	$7,288.90	$1,989.39
18	$2,665.72	$2,863.60	$7,303.20	$1,999.36
19	$2,908.09	$3,105.97	$8,008.51	$2,181.14
20	$3,150.46	$3,348.34	$8,713.82	$2,362.92
21	$3,392.83	$3,590.71	$9,419.13	$2,544.70
22	$3,635.20	$3,833.08	$10,124.44	$2,726.48
23	$3,877.57	$4,075.45	$10,829.75	$2,908.26
Tuition Cost per Credit	**Resident Baccalaureate Degree**	**Non-Resident Eligible for Operating Fee Waiver[1]**	**Non-Resident Baccalaureate Degree**	**Eligible Veteran or National Guard Member[2]**
1-10	$255.94	$274.92	$718.88	$191.96
11-18	$13.29	$14.30	$14.30	$9.97
19+	$242.37	$242.37	$705.31	$181.78

[1]Students who are non-residents for tuition purposes and who are US citizens or permanent residents are eligible for a waiver of the difference between the non-resident and resident Operating Fee. The waiver will be applied once eligibility has been determined. [2]Eligibility requirements and waiver form are available here for eligible Veterans and National Guard Members.

The chart above shows tuition per credit for Washington state residents and non-residents. To qualify for Washington state resident tuition rates, the student must meet Washington state residency requirements.

The following three types of fees are included in the tuition rates.

Tuition Rates Include Student Activity Fees, Building Fees, and Operating Fees	
Service & Activities (S&A*) Fee, *included within tuition rate*	
Resident and Non-Resident Associate Degrees, Prof Tech Certificates, and Baccalaureate Degrees	$13.57 per credit for credits 1-10 $7.85 per credit for credits 11-18 (maximum S&A Fees $198.50)
Building Fee, *included within tuition rate*	
Resident Associate Degrees, Prof Tech Certificates, and Baccalaureate Degrees	$15.44 per credit for credits 1-10 $5.44 per credit for credits 11-18 (maximum $197.92)
Non-Resident Associate Degrees, Prof Tech Certificates, and Baccalaureate Degrees	$34.42 per credit for credits 1-10 $6.45 per credit for credits 11-18 (maximum $395.80)
Operation Fee, *included within tuition rate*	
Resident Associate Degrees and Prof Tech Certificates	$102.95 per credit for credits 1 - 10 $51.80 per credit for credits 11 - 18

Tuition Rates Include Student Activity Fees, Building Fees, and Operating Fees	
	$118.39 per credit for credits 19+
Non-Resident Associate Degrees and Prof Tech Certificates	$291.31 per credit for credits 1 - 10 $59.27 per credit for credits 11 - 18 $325.73 per credit for credits 19+
Resident Baccalaureate Degrees	$226.93 per credit for credits 1-10 $0 incremental increase per credit for credits 11 - 18 $242.37 per credit for credits 19+
Non-Resident Baccalaureate Degrees	$670.89 per credit for credits 1 - 10 $0 incremental increase per credit for credits 11 - 18 $705.61 per credit for credits 19+

Additional Fees

In addition to the tuition rates listed above, all students (except for Basic Skills students) pay the following fees (not included in the tuition rates), as enacted by student government:

- Technology Fee
  $4.00 per credit (minimum $10, maximum $60.00 per term)
- Activities & Recreation Center Fee (ARC)
  $9.23 per credit (maximum $138.45)

Tuition rates include operating, building, and student activities fees. A student must carry at least 12 credits to be considered full-time for funding from federal and state financial aid programs, Veterans Administration, Social Service, and most other outside agencies. The college reserves the right to change tuition rates and any fees without notice to comply with state or college regulations or policies.

State Support and Student Costs for Washington State Community and Technical Colleges

The amounts in the table below represent an average for a full-time equivalent, lower division resident student attending community and technical colleges for the academic year 2024-2025.

	Resident Undergraduate	Percent
Total Instructional Support Per Student FTE	$15,672	
Tuition Operating Fee*	$3,742	24%
Net State Support per Student FTE**	$11,930	76%
* The Tuition Operating Fee is equal to the operating fee for a full-time student in lower division classes.		
** Net State Support is the amount paid by the state from various sources including taxes and other funds.		
EDUCATIONAL COST STATEMENT: The average cost to educate a resident full-time community or technical college student for the 2024-2025 academic year is $15,672. Students pay an average of $3,742 in tuition toward this cost. The remaining $11,930 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. NOTE: Data source provided by the State Board for Community and Technical Colleges.		

Tuition and Fee Waivers

For state-supported classes, Cascadia currently offers tuition and fee waivers for the groups listed below:

General Waivers

College and Career Foundations (ABE, EF, ESL, MFUND)

Need-based waivers are available to cover the $25 per term tuition fee.

Veterans Waivers

Cascadia waives 25% of tuition to Washington State residents that are:

- Eligible veterans/National Guard members as defined by statute.
- Other military or naval veterans not qualified as "eligible."

Additional information is available online or by contacting the Kodiak Corner at 425.352.8860.

Child and Spouse of Totally Disabled or POW/MIA or Deceased Eligible Veterans or National Guard Members

Cascadia waives 100% of all tuition and fees incurred as a condition of a student's full participation in coursework and related activities for the children or spouse of a totally disabled or POW/MIA or deceased eligible veteran or National Guard Member. The student and the veteran/National Guard Member must be Washington State Residents. Additional information is available online or by contacting the Kodiak Corner at 425.352.8860.

Children of Deceased or Disabled Law Enforcement Officers or Fire Fighters

Cascadia waives tuition and student and activities fees for children whose parent has died or become totally disabled in the line of duty while employed by a public law enforcement agency, or a full-time or volunteer fire department. Documentation is required from the Department of Retirement Systems. Students must begin their course of study within 10 years of high school graduation.

Adult High School Completion

Cascadia offers reduced tuition of $11 per credit plus the cost of fees for Washington State resident students who are 19 years of age or older and enrolled in the Adult High School Completion program. The reduced tuition applies only to courses applicable toward completion of the diploma from Cascadia College.

Waiver of the Non-Residential Differential for Refugees

Cascadia waives the operating fees portion of the non-resident differential for refugees and their spouses and dependents with parole status, immigrant visa, or citizenship application.

Congressional Dependents

Cascadia waives the operating fees portion of the non-resident differential for dependents of members of the U.S. Congress who are representing Washington State.

Higher Education Employees

Cascadia waives the operating fees portion of the non-resident differential for employees who work half-time or more for a public higher education institution and their spouses and dependents.

Non-Washington Resident Waiver

Students who are U.S. citizens or INS approved permanent residents, but who are considered non-Washington residents (for tuition paying purposes) are eligible for a non-resident waiver. The college waives all of the nonresident operating fee differential; but students are still responsible for paying the building fee differential.

Space Available Waivers

The following student waivers are available on a space available basis. This means that students are only able to register beginning on the first day of the term and only if there is space available in the course.

Senior Citizens – Audit of Credit Classes

Cascadia waives tuition and student and activities fees for credit classes for Washington residents 60 years or older on a space available basis. Students will pay $5 per term with a limit of two courses per term.

Senior Citizens – Credit Classes

Cascadia waives tuition and student and activities fees for credit classes for residents 60 years or older on a space-available basis. Students will pay $10 per credit with a limit of two courses.

State Employees

Cascadia offers tuition waivers for permanent state employees employed half-time or more and to public school teachers and certified instructional staff who hold, or are seeking, endorsement and assignment in a state identified shortage area. Preference is given to permanent employees of Cascadia College. No preference is given to other types of employees and there is equal treatment of full and part-time permanent employees. This waiver is offered on a space available basis only. Students will pay $10 per credit for the first six credits, and full tuition for any additional credits.

Fees

The amount assessed for each of the fees identified below is published in the term schedule of classes. Fees listed below are for the 2025-2026 academic year. Fees for 2025-2026 may change. Please check our website for up-to-date information.

Activities and Recreation Center (ARC) Fee

$9.23 per credit (maximum $138.45)
The student body voted to assess this fee to fund the construction and operation of the Activities and Recreation Center.

College and Career Foundations (ABE, EF, ESL MFUND)

There is a **$25 per term fee** charged to students enrolled in federally funded or grant funded classes. Students who demonstrate need may qualify for a fee waiver.

Computer Account

$21.00 per term for non-credited students
This fee covers your optional individual email account, file storage, and network access from campus.

Course Lab/Supply Materials Fees

Individual classes may also have lab/supply or materials fees in addition to the basic credit hour rate. Course fees can be found listed with each course description.

2025-2026 Courses with Lab/Materials Supply Fees		
Individual classes may also have lab or other fees that will be charged in addition to the basic credit hour rate.		
Art Supply	**$55** per course for ALL hybrid and in person Art Studio courses *(fully online ART courses are excluded)*	Provides high quality art materials and supplies, and live model contracts, with additional funds set apart for repair and replace items such as easels.
Computer Technology	**$5** per credit- all IT courses with lab time *(excludes INTENSIVE IT LAB courses* *(see course list for courses that charge this fee)*	Covers proportionately higher hardware, software, licenses, support and technology in specific courses.
Embedded Materials	Varies: **$22.50, $27.60, $55.30** on specific BSTEC courses *(see course list for courses that charge this fee)*	Digital access to online course materials
English Composition Supplemental	**$13** per course – on ENGL&101, ENGL&102, and ENGL&235 all modalities	Funds the Bock Learning Center to train and support writing tutors for students.

2025-2026 Courses with Lab/Materials Supply Fees		
General Science Lab	**$45** per course in all general science lab courses excluding INTENSIVE LAB courses *(see course list for courses that charge this fee)*	Covers consumables and distributed wear and tear on Repair and Replace materials such as microscopes and lab coats.
Intensive Computer Technology	**$8** per credit- applies to all IT INTENSIVE LAB courses *(see course list for courses that charge this fee)*	Covers hardware, software, licenses, support and technology in specific courses.
Intensive Science Lab	**$70** per course (see course list for courses that charge this fee)	Covers courses with proportionately higher quarter consumable costs and distributed wear and tear on repair and replace materials such as microscopes and lab coats.
Learning Technology	**$20** per course: **ALL hybrid, online, and in-person/ web-enhanced courses** BSTEC courses only $9 per credit *(standard exclusions: ABE/CCF, independent study, study abroad)*	Supports costs associated with online learning tools for students in online, hybrid, and web-enhanced (in-person) classes.
Microbiology and Organic Chemistry	**$100** per course on all sections of BIOL&260, and CHEM 254	Covers specific consumable costs related to Microbiology and Organic Chemistry AND wear and tear on repair and replace materials such as microscopes and lab coats.
Online Science Lab Kit	**$20** for online sections of science labs with take-home kits only *(replaces standard science lab/supply fee only when a kit is provided)*	Covers materials for take-home kits created for student enrolled in online sections of science courses with labs.

Diploma Replacement

$5.00 per diploma
This fee is charged for reprinting a diploma.

Fines

Non-Sufficient Fund Fee: $25.00 per check
Parking and Traffic Citations: $30-$250

(Visit the website for current fines)

International Admission

$50.00 non-refundable fee
International students will be charged an admission application processing fee.

Late Add Fee

$50.00
Students who register after the tenth day of the term must complete the online Late Add Petition (on the Enrollment webpage in the Forms section) and if approved, will be assessed a $50.00 late add fee in addition to the tuition and fees.

Non-Sufficient Fund Checks

$25.00 per check
Students will be charged this fine when they submit a check for payment and there are insufficient funds in their account to cover the check.

Official Transcript

Official student transcripts are imprinted with Cascadia College's official seal, signed by the Registrar, and mailed in a Cascadia sealed envelope or sent officially via electronically through the college and university exchange network.

$8.90 per Official Transcript via Electronic PDF through the National Student Clearinghouse
Electronic PDF transcripts those can be delivered to the email address the requestor provides. A $5.00 transcript fee plus an additional $2.90 online processing fee and $1.00 electronic PDF fee for a total cost of $8.90 per official transcript via electronic PDF.

$7.90 per Official Transcript via Electronic Exchange through the National Student Clearinghouse
ETX is delivered via FTP to users that are part of our network (Colleges, Universities and other education organizations). A $5.00 transcript fee plus an additional $2.90 processing fee for a total cost of $7.90 per official transcript via electronic exchange.

$7.90 per Official Transcript via Mail Delivery through the National Student Clearinghouse
Official transcript are printed by the college and delivered to their intended recipient(s) via USPS First Class Ground Mail. A $5.00 transcript fee plus an additional $2.90 processing fee for a total cost of $7.90 per official transcript via electronic exchange.

$8.70 per Official Transcript via Mail Delivery or Electronic Exchange through Parchment
Official transcript are printed or sent electronically by Parchment and delivered to their intended recipient(s). New official transcript service option available in Fall 2025.

Parking

Over 1,800 parking spaces are available on campus. Pay stations are located in all parking areas for "per visit" payment. Parking is enforced 24/7. Students and staff may purchase term parking permits online. Visit the Parking webpage for current rates.

Placement Assessment (Accuplacer)

$45.00 non-refundable fee for online Accuplacer
$17.00 non-refundable fee for in-person Accuplacer (on campus at the Kodiak Corner)
A fee will be charged for placement assessment in English and/or mathematics.

Printing, Above Standard Allocation

$10.50
Each student receives a standard printing allocation of $24.00 which equates to 600 black-and-white or 120 color pages. If you use up your allocation, you can buy an additional unit of 260 black-and-white or 50 color pages.

Prior Learning: Credit by Exam

$155.00 per assessment non-refundable fee
For the faculty-associated assessment of student work.

Prior Learning: Documented Experience

$260.00 per assessment non-refundable fee
For the faculty-associated assessment of prior learning portfolios requesting up to ten credits.

Prior learning: Industry Recognized Certification

$35.00 per 5 credit course non-refundable fee
Cascadia's Professional Technical Programs may award program credit for specific industry recognized certifications. Networking Infrastructure is the only program that has pre-approved certain certificates for the awarding of credit. Interested students should speak with their program's advisor or faculty member to initiate the process.

Student Identification Card Replacement

$11.00
This fee is charged for replacing a lost or stolen Student Identification Card.

Technology Fee

$4.00 per credit (minimum $10, maximum $60 per term)
The student body voted to assess this fee to provide email accounts, discounted Microsoft software, network storage, and regularly updated hardware and software.

Financing Your Education

Student Financial Services

The Student Financial Services Office at Cascadia College assists students in the process of applying for financial aid and finding ways to meet educational expenses. Financial aid is designed to assist students and/or their parents in paying basic educational costs for eligible degree programs. All of the financial aid programs at Cascadia College are administered in accordance with established state and federal regulations and policies. At the core of these policies is the belief that financing a student's education is the primary responsibility of the student and their family. However, there are multiple resources students can access to pay for college. Cascadia offers grants, loans, scholarships, and work study to eligible students.

The basic formula for determining financial need is:

COA - SAI = Financial Need

Cost of Attendance (COA) **Minus** (-) Student Aid Index (SAI) **Equals** (=) Financial Need

Even students who do not demonstrate financial need for grants and work study may still qualify for a student loan.

Estimated Costs of College for Calculating Financial Aid

The following estimated average costs are used for full-time, in-state residents attending three terms in the 2025-2026 school year. To be considered full-time for financial aid, veterans benefits, and most other outside agencies, students must take at least 12 credits per term. Financial aid is also available to students that are not attending full-time. Students should notify the financial aid office each term that they are not planning to be full-time.

2025 - 2026 Estimated Costs of College

ASSOCIATE DEGREES		
	Full-Time Living with Parents	*Full-Time Not Living with Parents*
Tuition and Fees*	$5,745	$5,745
Books and Supplies	$528	$528
Living Expenses	$10,074	$19,473
Transportation	$2,944	$3,188
Misc.	$1,848	$1,848
TOTAL:	**$21,139**	**$30,782**

**** There may be additional fees associated with individual classes.***

BACCALAUREATE DEGREE		
	Full-Time Living with Parents	*Full-Time Not Living with Parents*
Tuition and Fees*	$8,592	$8,592
Books and Supplies	$528	$528
Living Expenses	$10,074	$19,473
Transportation	$2,944	$3,188
Misc.	$1,848	$1,848
TOTAL:	**$23,986**	**$33,629**

**** There may be additional fees associated with individual classes.***

How to Apply for Financial Aid

The U.S. Department of Education governs eligibility, conditions, and terms for federal grants, student loans, and federal work study. The State of Washington governs eligibility, conditions, and terms for state grants and state work study.

Here are the steps to get started in the application process for grants, student loans, or work study:

1. **Fill out a financial aid application** (FAFSA or WASFA). The application is the first step in determining your aid eligibility. If you are a US Citizen or eligible non-citizen, complete the Free Application for Federal Student Aid (FAFSA). If you are a Washington state resident, and ineligible for federal aid because of immigration status, complete the (free) Washington Application for State Financial Aid (WASFA). If you are unsure about which application to complete, view this WASFA Questionnaire and you will be directed to the appropriate application for you.
   School Code
   Cascadia College's Title IV school code is 034835. Use this code when completing your FAFSA.
2. **Once you have completed and the school receives** your FAFSA/WASFA record and you have applied for and been admitted to the college, additional documents and information may be requested before the financial aid office will determine your eligibility for aid.
3. **Check your** ctcLink account for outstanding items. You may also check your financial aid file status online through your ctcLink account, or contact the Student Financial Services Office by email at finaid@cascadia.edu. If it is determined that you are not eligible for grants, or if you receive a grant but it does not cover your estimated college costs, you can then apply for a student loan. The loan amount that you are eligible for may be reduced by the amount of any additional funds you receive.

Eligibility Requirements

All federal financial aid recipients must meet the following requirements:

- Be a U.S. citizen, permanent resident, or eligible non-citizen
- Have a high school diploma or GED certificate
- Have a valid social security number
- Have been admitted to Cascadia and are enrolled in an eligible degree program
- Meet satisfactory academic progress requirements
- Not be in default on a student loan received at any school
- Not owe a repayment of grant funds at any school attended
- Provide all necessary financial information (including parents' information, where required/requested)

Satisfactory Academic Progress

Satisfactory Academic Progress (SAP) must be maintained to be eligible for financial aid. Students must meet the academic standards of the college as well as the requirements for SAP as listed in the financial aid policy for progress. In general, students must successfully complete the courses they attempted, as well as earn a minimum cumulative GPA. Academic progress is monitored for each payment period/term. If a student's financial aid eligibility is terminated as a result of not meeting the minimum standards, measures can be taken by the student for reinstatement as outlined in the Satisfactory Academic Progress Policy. A complete copy of the policy is available in the Student Financial Services Office or on the Policies webpage.

Maximum Time Frame

Federal regulations state that students must complete their program of study within a maximum time frame in order to receive financial aid. Classes taken at Cascadia must be necessary degree requirements. Taking classes that are not degree requirements may result in a financial aid repayment and will cause students to reach their maximum time limit more quickly and may prevent them from completing their intended degree. Once it is determined that a student may be close to their maximum time limit, an appeal can be submitted to explain why the student has not yet met degree requirements. Submitting an appeal does not guarantee that a student can take the remaining classes required and receive financial aid to do so. However, once it has been determined that a student cannot complete their degree within the maximum time frame, financial aid will be denied per federal regulations and this is not appealable. A complete copy of the policy is available in the Student Financial Services Office or on the website.

Types of Aid

Cascadia College offers financial assistance to eligible students in the form of grants, work-study, scholarships, and loans. Generally, a student must be taking 3 or more credits to qualify for most financial aid. A student does not need to be attending full-time to receive financial aid. In order to receive a federal student loan, however, a student must be registered and attending 6 or more credits per term. Loan requests require additional paperwork to be submitted for a loan to be processed.

Financial aid awards may consist of one or more of the following programs:

Grants

Grants are "gift aid" and do not require repayment unless a student fails to maintain satisfactory progress and/or remain enrolled in classes. Cascadia College awards the Federal Pell Grant, Federal Supplemental Education Opportunity Grant (FSEOG), Washington College Grant, College Bound Scholarship, Washington Bridge Grant, Passport to College, National Guard Grant, and Cascadia Grant to eligible students. FSEOG and Cascadia Grants are awarded on a funds-available basis. Timely applications are important due to limited funds.

Work-Study Programs

Work-study awards are offered to students with "need" eligibility, enrolled half-time or more, and who indicate an interest in work-study on the FAFSA or directly with the financial aid office. Work-study programs provide part-time employment to eligible students on and off campus. The maximum amount a student can earn is determined by financial need and available funding. Students can work up to 19 hours per week, depending on financial "need" as determined using the FAFSA data. Cascadia College participates in both federal and state work-study programs. Positions are filled on a first-come, first-served basis.

Loans

Cascadia participates in the William D. Ford Federal Direct Loan Program, which is administered by the U.S. Department of Education. Direct loans are low-interest loans for students and parents to help pay for the cost of a student's education after high school. Loans can be used for educational expenses until a student graduates or stops attending school at least half-time. Loan repayment typically begins six months after completion of the degree or withdrawal from school.

The Direct Loan Programs offers subsidized and unsubsidized loans for students, or the Direct PLUS loan for the parent(s).

- **Subsidized Stafford Loans** are need-based. The federal government pays interest on this type of loan while the student is in school (attending at least half-time status).
- **Unsubsidized Stafford Loans** do not require a student to show financial need; however, all financial aid funding must not exceed the cost of education. The student, not the federal government, is responsible for paying all interest that accrues on this loan.
- **PLUS loans** enable parents with good credit histories to borrow funds for the education expenses of each child who is a dependent undergraduate student enrolled at least half-time.

Loan recipients must maintain enrollment in six or more credits to maintain eligibility for the Direct Loan(s). Loans are awarded in accordance with federal regulations, such as maximum annual loan limits and restrictions on loan amounts per type of loan. All borrowers at Cascadia are required to complete a Master Promissory Note (MPN), online loan entrance counseling and a loan request worksheet. Borrowers must also complete loan exit counseling upon leaving Cascadia College or graduating.

Financial Aid Refund Policy

A fair and equitable refund policy is applied to all financial aid students at Cascadia College. Students who withdraw, drop classes, complete zero credits, or do not attend the class(es) for the period of enrollment for which they have been charged tuition and received financial aid may have to repay a portion of the grants and/or loans they received, as well as any tuition Cascadia returns to financial aid programs as a result of withdrawal. This policy does not apply to work study earnings received. Students who remain enrolled through at least 60% of the payment period are considered to have earned 100% of the aid received and will not owe a repayment of financial aid. If a student completes at least one course they will be subject to the Satisfactory Academic Progress Policy, rather than the Repayment/Return of Funds Policy. Please note that the Financial Aid Repayment/Return of Funds Policy and Cascadia's tuition refund policy are separate.

Funds are to be returned in the following order:

1. **Unsubsidized Direct Loan**
2. **Subsidized Direct Loan**
3. **PLUS (Parent loan)**

4. **Pell Grant**
5. **Federal Supplemental Educational Opportunity Grant (FSEOG)**

Students receiving the Washington College Grant (WCG) or College Bound Scholarship (CBS) are subject to the Washington College Grant Repayment Policy, as defined by the Washington Student Achievement Council. Students who receive only a Cascadia College Grant without any other federal or state funding will have the repayment and return of funds calculated according to the calculation described above.

Please contact Student Financial Services for a copy of the entire Repayment/Return of Funds Policy or for more details regarding financial aid refunds. You may also view the policy on the Policy webpage.

Rights

Students have the right to inspect their financial aid files for the accuracy of information contained therein, and to submit corrections, if allowed by federal and state rules and regulations. Confidential information covered under the Federal Educational Rights and Privacy Act (FERPA) may not be reviewed by anyone else without prior written approval of the individual concerned. **Requests for file inspection must be done in writing and submitted to the financial aid office. Students should generally allow between 1 and 3 weeks for the request to be processed and an inspection time scheduled.**

Responsibilities

The student is responsible for reading the "conditions of award", and notifying the Student Financial Services Office upon receipt of additional outside income, resources from scholarships and private loans, and for submitting additional documents as required during the year to the Student Financial Services Office. All information submitted to the Student Financial Services Office must be true and complete to the best of the student's knowledge.

Student Scholarships

Thanks to donations from businesses, individuals, families, professional organizations, and friends of Cascadia College, the Cascadia College Foundation offers numerous scholarship opportunities for Cascadia students. All Cascadia students and prospective students – domestic, international, and undocumented - are encouraged to apply. Minimum requirements include 2.0 GPA and enrollment in ten (10) credits each term you enroll.

Awards range from $1,000 to $5,500. Complete one on-line application to be considered for all available scholarships.

Scholarships are offered twice per year:

FALL CYCLE	SPRING CYCLE
Applications available first week of summer term	Applications available first week of winter term
Application deadline mid-October	Application deadline early March
Awards disbursed Winter and Spring term of current academic year	Awards disbursed Summer, Fall, Winter, and Spring term of next academic year

For more information on how to receive financial assistance through scholarships, a current listing of available scholarships, and a link to the scholarship application, please visit Cascadia College Foundation Scholarships webpage. Direct any questions to scholarships@cascadia.edu or call 425.352.8840.

Workforce Education

Students enrolled in one of Cascadia's Professional-Technical programs have access to a variety of support services to help them succeed academically. These services include dedicated staff that can help students navigate their educational experience, from academic advising to internships. Cascadia also has three Workforce grants (BFET, Opportunity Grant and Worker Retraining) that can help eligible students pay for tuition, fees, books, and transportation. A student interested in career training or qualifying for one of these three grant programs should contact the Workforce Education office by calling 425.352.8256 or email workforceinfo@cascadia.edu.

Basic Food Employment and Training Grant (BFET)

The BFET Grant provides funding for Washington State resident students who are receiving Federal Basic Food Assistance (SNAP/EBT) and enrolled in professional technical programs or who are exclusively College and Career Foundations students. The grant provides assistance with tuition and fees, textbooks and supplies up to $1000 annually, and transportation costs

Opportunity Grant

This grant supports low-income Washington State resident students enrolled in eligible professional technical programs and the pre-nursing degree pathway. The grant provides tuition and fee assistance up to for 45 credits, as well as textbooks and supplies up to $1000 annually, and transportation costs.

Worker Retraining Grant

This grant provides financial assistance to students enrolled in an eligible professional technical program, healthcare program or applied baccalaureate degree.
Students are eligible if one of the following are true: currently receiving or eligible to receive Unemployment Insurance (UI) Benefits, exhausted UI Benefits within the last 4 years, displaced homemaker, vulnerable worker, formerly self-employed, veteran discharged within the last 4 years. The grant provides tuition and fee assistance for 1 to 2 terms, textbooks and supplies up to $1000 annually, and transportation costs.

To be eligible, students need to:

- Be receiving or be eligible to receive unemployment benefits
- Have exhausted their unemployment benefits within the last four years
- Be formerly self-employed and currently unemployed due to general economic conditions
- Be a displaced homemaker
- Be a vulnerable worker
- Be a veteran discharged from the US Armed Services in the last four years

Professional/Technical Programs

Students enrolled in the degree programs or certificates below may be eligible for workforce education grant awards.

- □ = BFET eligible
- ◊ = Opportunity Grant eligible
- Δ = Worker Retraining eligible

Degrees:

- **Bachelor of Applied Science (BAS)**
  - Mobile Application Development **Δ**
  - Sustainable Practices **Δ**
- **Bachelor of Science (BS)**
  - Computer Science **Δ**
- **Associate in Computer Science DTA/MRP ◊**
- **Associate in Pre-Nursing DTA/MRP ◊** Δ
- **Associate in Applied Science-Transfer (AAS-T)**
  - Application Development **Δ□◊**
  - Emergency Management **Δ□**
  - IT Infrastructure Operations **Δ□◊**
  - Office Supervision & Management **Δ** □**◊**
  - Water Resource Management Δ □

Certificates (20-25 credits):

- Android Application Development **Δ□◊**
- Cloud Computing Engineer **Δ□◊**
- Computer Programming Foundations **Δ□◊**
- Desktop Support Technician **Δ□◊**
- Emergency Management **Δ□**

- iOS Application Development **Δ□◊**
- JavaScript Programming **Δ□◊**
- Mobile Backend Development **Δ□◊**
- Network Engineer **Δ□◊**
- Office Applications Δ□◊
- Security Support Technician **Δ□◊**
- Server Administrator **Δ□◊**
- Virtualization Specialist **Δ□◊**
- Water Resource Management Δ □
- Web Applications **Δ□◊**
- Web Foundations **Δ□◊**

Veterans and Dependents Benefits

To apply for Veteran Educational benefits, first submit an application on the VA vets.gov website or via eBenefits.

To access Veteran Educational Benefits at Cascadia, all students must attend an orientation. To schedule an appointment with the Veterans Academic Advisor/School Certifying Official, email veterans@cascadia.edu. Veterans are asked to contact Kodiak Corner at least four weeks before they wish to begin classes. The veteran orientation is an opportunity to submit funding paperwork, to learn more about educational benefit policies and to select classes for the first term. Veterans are asked to bring a member 4 copy of their DD-214 and their Certificate of Eligibility to the orientation. Additional paperwork may be required, depending on the student's Chapter of benefits.

Veterans Educational Benefits may be used to complete an eligible college degree or certificate program. Courses must follow VA guidelines and all courses must meet degree requirements.

The VA requires Cascadia to perform an official review of all prior education. This includes a veteran's military transcript and transcripts from all schools attended before, during and after active duty. Applicable credits will be transferred to the veteran's chosen Cascadia degree requirements. Veterans should submit all official transcripts and complete the Transcript Evaluation Request Form no later than the end of the first term of benefits.

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

Cascadia College does not and will not provide any commission, bonus, or other incentive payments based directly or indirectly on success in securing enrollment of financial aid to veterans or entities engaged in any student recruiting or admissions activities or in making decisions regarding the award of student financial assistance.

PLEASE NOTE: *Students will not be allowed to use any VA education benefits, including Post 9/11 benefits to repeat classes in which they previously received a passing grade, of 2.0 or higher, regardless of whether or not veterans' benefits were used.*

Attendance and Participation While Awaiting VA Tuition and Fee Payments

Section 103, PL 115-407

In accordance with Title 38 US Code 3679 subsection (e), Cascadia College adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Chapter 33 or Chapter 31 benefits, while payment to the institution is pending from the VA. Cascadia College will not:

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

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

- Produce the Certificate of Eligibility by the first day of class;
- Produce written request to be certified;

- Provide additional information needed to properly certify the enrollment as described in other institutional policies.

Audit, Withdrawal, Non-Required, and Repeat Courses

The law prohibits payment for auditing a course or payment for any course for which a grade assigned is not used in computing requirements for graduation. This includes repeats of grade of "D" or better (unless a higher grade is required); withdrawals; and courses which are not applicable for your declared degree objective. This does not apply to repeats of required courses which you have failed. If you are not sure, please contact the VA Certifying Official before repeating a course.

Higher Education Relief Opportunities for Students Act of 2003/ Active Service for Period Exceeding 30 Days

The Higher Education Relief Opportunities for Students (HEROES) Act of 2003 (Public Law 108-76 section: 5) is intended to ensure that service members who are receiving Federal student aid are not adversely affected because of their military status and to minimize the administrative burden placed on individuals. According to a 2004 Washington State law, a member of the Washington National Guard or any other military reserve component who is ordered to active federal service for a period exceeding 30 days, has the right to:

- **Withdraw from one or more courses and receive a refund of tuition**
  - **What to do:** Submit Call to Service documentation from military to the Kodiak Corner to withdraw and receive refund.
- **Be given an incomplete and allowed to complete the course upon release from duty**
  - **What to do:** Submit Call to Service documentation from military to the Kodiak Corner. Then contact the instructor to do an Incomplete Contract with the instructor. The instructor gets the form from Student Learning.
- **Continue the course and be given full credit.** Any missed class sessions will be excused absences. Upon return to campus, students will be allowed a reasonable period of time to submit missed work. At the discretion of the instructor, there may be cases in which the student has already completed sufficient class work to justify an earned grade. The student called to duty is required to submit written notice of call to service.
  - **What to do:** Submit Call to Service documentation from military to the Kodiak Corner. Then contact the instructor to make arrangements for course work plan and timeline.

If any questions or concerns arise, contact Veterans Academic Advising at: veterans@cascadia.edu or call 425-352-8860. We will gladly assist the student and/or the instructor in resolving any issues to deployment. For more information, please refer to RCW 28B.10.270 and Senate Bill 5343.

Learning Resources

Campus Library

Library Collections

The Library provides an array of online and print resources designed to support Cascadia students as they pursue their educational goals. Research databases, books, journals, and media are selected by librarians in consultation with faculty, and with Cascadia's curriculum in mind. Students also have access to the tri-campus collections of the University of Washington Libraries to further support their studies.

Library Services

The Library has 80+ PC computers, which provide access to online resources, email, and productivity software such as Microsoft Office. Students, faculty, and staff can access research databases, full-text journal articles, class guides, and e-books from computers and other devices with internet access. Wireless access to the campus network is available throughout the Library and printing is available on the first floor in the Information Commons.

Over twenty study rooms are available and can be reserved online by students. The majority of the study rooms include large screen monitors with HDMI connections, VCRs, and DVD players to support group work and collaboration on projects. Two media study rooms are equipped with a computer, data projector, DVD/ VHS capabilities, and laptop connectors.

Collaborative open study areas are located on the first and second floors. Ten privacy pods are located on the first floor and provide a private, sound-dampened environment for attending online classes, meetings, or calls. The third floor is a quiet study area and includes the Library's Reading Room, a silent study room overlooking the wetlands. Cascadia students can also access the Odegaard Undergraduate Library on the Seattle campus during UW-Only Hours with their student ID card.

Librarians are available for in-person research assistance at the Research Help Desk, by appointment for extended in-person or online consultations, and online through the Chat with a Librarian service. Librarians also teach in-person and online classroom workshops, and collaborate with faculty to help students develop their skills in accessing and evaluating information. The Library can be reached online and at 425.352.5340.

Facilities

Cascadia College shares the campus with University of Washington Bothell. Cascadia has several combined classroom/office buildings. CC1-CC2 classroom/office building which opened in Fall 2000. CC3 classroom/office building, the first LEED (Leadership in Energy and Environmental Design) building on campus which opened in Winter 2010. In addition to classrooms and offices, CC3 includes an event center and art gallery. Innovation Hall is the new STEM building that is shared with UW Bothell which opened in Winter 2024. Innovation Hall hosts a mix of offices, classrooms, and chemistry, engineering, and computer labs. The two institutions also share the library buildings and the services of security and the physical plant. Student break-out areas with computer access are located throughout CC1-CC2 and CC3 buildings. Innovation Hall offers open area study spaces. Library study rooms can be reserved. The library also has a large reading room on the third floor.

Student Breakout Areas

Throughout Cascadia's buildings students have access to breakout areas that include computers, printers, small groups of tables and comfortable chairs for individual and group study. This is an ideal place to meet classmates after class to finish projects, or for students to finish a computer project before heading home.

- Student Breakouts Location and Names
  - CC1 1st Floor - Baker
  - CC1 2nd Floor - Olympus
  - CC1 3rd Floor - Rainier
  - CC2 3rd Floor - Shuksan
  - CC3 2nd Floor North - Erie
  - CC3 2nd Floor South - Pilchuk

Computer Resources

Cascadia College has computer classrooms and technology enabled lab classrooms, including an open computer lab (the Bock Learning Center). Additionally, all classrooms are equipped with an ePodium, which includes a projection system, a sound system, an assistive listening system, a computer and connections for laptop audio/video.

Learning Assistance

The Bock Learning Center

The Bock Learning Center provides a space where students can work independently or in small groups, receive assistance from peer tutors in a range of subject areas, and access computer and printing resources. The Bock Learning Center is located in CC2-060.

Writing Tutoring

Peer tutors assist students in all disciplines with writing projects and assignments including paragraphs, essays, research papers, and personal statements. Students can make an appointment with a tutor or drop in for assistance.

Math and Science Tutoring

Students can receive assistance from trained peer tutors in most math, chemistry, physics, and programming courses. While most of this tutoring occurs on a drop-in basis, appointments are also available.

Online Tutoring

Online tutoring in a range of disciplines is available through the Western eTutoring Consortium. Information about this service is available on our Additional Tutoring Options page.

Access to Computers and Printers

The Bock Learning Center provides access to computers, printing services, and scanners. Graphing calculators can be borrowed for a day or rented for the term.

ID Cards

Students, faculty, and staff can have ID cards made in the Bock Learning Center.

With the exception of long-term calculator rentals, all Bock Learning Center services, including tutoring, are free and available to currently enrolled students.

Campus Services

Basic Needs Navigator

Cascadia has a Basic Needs Navigator to help students who need access to resources that involve housing navigation, emergency grant funding, food insecurity, and other programs related to basic needs. The Basic Needs Navigator will meet with and guide students to access resources. Make an appointment with the Basic Needs Navigator to learn more about basic needs services by logging into Navigate and selecting “Basic Needs Navigation”.

Bookstore

Bookstore services are provided by the University Book Store. All purchases of textbooks and course materials will be made online. Students have the choice of their books being shipped for free or picking them up on the first 2-3 days of classes at the University Book Store Pop-Up Shop. There will be a small selection of school supplies, art kits, lab goggles, and lab notebooks available for purchase. Cascadia students are eligible to participate in the bookstore’s Pack Rewards discount program. Textbook buy-back is available year-round, at the University District location. For questions, please call the bookstore at 206.634.3400. Ask for the Student Store.

Bicycling on Campus

Bicyclists share the campus with pedestrians, buses, and cars. To stay safe, follow these basic rules of the road:

- Pedestrians always have the right of way.
- Always yield to slower moving traffic.
- Obey all traffic laws.
- Dismount and walk your bike in any Bike Walk Zone and/or crowded pedestrian areas.
- Minimize your impact by staying off lawns and landscaped areas.
- Park and lock your bike only at designated bike racks.
- Follow all City and State regulations, as well as campus specific bike guidelines.

Bicycle racks are available on the north side of CC1 and CC2 buildings as well as the west side of CC3. Bicycle racks can also be found at other locations across the Cascadia/UWB campus. Bike lockers are located at four locations: south of UW1, south of LBA, north of Library, UWBB. Bike lockers provide protection from the elements and security for your bike, helmet and other personal items. To request a bike locker, complete the bike locker agreement and Commuter Services will contact you via email.

Bus and Commuter Options

Metro Transit, Sound Transit, and Community Transit service the campus. ORCA bus passes can be purchased at a significant discount for students through the Commuter Options webpage. The ORCA bus pass allows unlimited travel on King County Metro, Community Transit, Sound Transit, Kitsap Transit, Everett Transit, Pierce Transit, the Sounder Commuter train, and Light Rail which currently operates between Seattle and Tukwila. Bus schedules are available at the Library and near Stopwatch Espresso in the lower level of CC1. Most transit routes operate from 6:00 AM to 10:00 PM on weekdays. Ten transit routes serve the UW Bothell and Cascadia College campus making over 400 stops each weekday.

For more information, visit our Commuter Options webpage.

CARE Team

The Cascadia CARE Team is a collection of staff and faculty who work with students who are dealing with difficult situations. The CARE Team is contacted when there is a concern for a student. Anyone from the community can file a CARE Team report (students, faculty, staff, community members). The CARE Team will connect with the student and identify resources they can utilize. The CARE Team supports students through a wide range of situations:

- Emotional distress, mental health challenges
- Food insecurity or homelessness
- Trouble paying financial costs (eg: medical bills, utilities)
- Concern about another student's behavior
- Struggling with academics

To contact the CARE Team, you can file a report on your behalf or for someone else or email us at careteam@cascadia.edu.

Please remember, the CARE Team will respond to report within 24 business hours. For any emergency situations, please call 911.

Campus Safety

The Campus Safety team provides professional security and campus safety services to Cascadia College and UW Bothell. To enhance the teaching and learning environment for the entire campus community, we are committed to creating and maintaining safety as well as a sense of security. Campus Safety Officers actively patrol the campus to get to know our community members.

Campus Safety also partners with EH&S and Emergency Management who facilitate trainings, lead educational outreach programs and support safety initiatives for both institutions.

The Campus Safety Office is located in the LB2 building street level on Campus Way NE. Our dispatch center operates 24 hours, 7 days a week to provide a safe and secure environment for our community.

For more information, visit the Campus and Community Safety webpage.

To reach Campus Safety, call 425.352.5359.

For emergencies, call 911.

Counseling Services

Counseling services are available to any student who is struggling with issues including family conflict, divorce, substance abuse, depression, grief and loss, and anxiety about academic achievement. Cascadia College offers counseling services to Cascadia students through a partnership with the UW Bothell Counseling Center by providing brief mental health services that enhance student wellbeing and assist their growth and academic success. Our professionally licensed clinicians are committed to compassionate, ethical services from a place of cultural humility to students of every background.

Cascadia College students who are enrolled for the current quarter in session may receive up to 6 free counseling sessions of Single Session Therapy and Case Management sessions combined per academic year.

All Cascadia College students seeking services at the Counseling Center will be scheduled for a Single Session Therapy where you will meet with a clinician who will listen to your needs and help you come up with your next steps. If you cannot get your needs met during that session, you will be referred to group therapy or case management to find more appropriate care.

Counseling Services:

- **Single session therapy –** One 45-minute pre-scheduled in-person counseling session with the goal of addressing student's mental health concern within the same session. Follow-up appointment and referral to case management or group therapy would be determined case-by-case based on counselor's clinical judgment.
- **Crisis consultation** – One 30-minute in-person session for students experiencing crisis/urgent concerns. Students can walk-in Monday through Thursday between 1pm and 3pm and ask for an appointment.
- **Group therapy** – Up to eight 80-minute weekly in-person group sessions facilitated by licensed clinicians focused on developing emotion regulation skills and peer support. Click here for more information about the groups
- **Workshops** – Unlimited 45-minute weekly in-person meetings facilitated by licensed clinicians focused on specific mental health topics. All you need to do is show up. Click here for more information
  - Mindful Monday | 1-1:45pm | ARC Fitness Center | *fall, winter, spring*
- **Case management** – Individual meetings with the case manager to connect off-campus to higher levels of care, more specialized care than the Counseling Center can provide, or long-term therapy.

To make an appointment, call 425-352-3183, email uwbcc@uw.edu, or drop by the Counseling Center at UW1-080.

For more information and resources, visit the Counseling Center webpage.

Food Services

Food services are available through a combination of vending machines, cafes, the POD Market, and the Terrace Dining Pavilion. Vending machines are available on most floors in the CC1, CC2, and CC3 buildings, as well as the Lower Level of Innovation Hall and the ARC. There is a café located in the Lower Level UW2. The POD Market, located on the southern end of the library, offers grab & go snacks and drinks. Terrace Dining Pavilion is located on the north end of campus across 110th Ave and offers a wide range of meal options. Meal plans and more information can be found at Bothell Dining.

Health and Wellness Resource Center, HaWRC

The Health and Wellness Resource Center (HaWRC) is a one-stop hub connecting students with on-campus and community resources to help them thrive. Through a partnership with community programs such as the United Way Benefits Hub, the HaWRC provides resource connections, financial coaching, and public benefits enrollment. Our services also include peer health education, and referrals to off-campus wellness resources.

The HaWRC is located at the Activities and Recreation Center, ARC-120. For questions or to connect with the HaWRC, email hawrc@uw.edu or call 425.352.5190. For more information, resources, and events, visit the HaWRC webpage.

Housing

Cascadia College serves students who live within commuting distance of the campus. The college does not maintain residence halls or other housing, and does not assume responsibility for independent housing facilities used by students.

Kodiak Cave

The Kodiak Cave is a student-led initiative funded by student fees that focuses on food access and food education. It is a "choice" pantry (students shop and select the food that works best for them) and provides various fresh, frozen, and canned cross-cultural foods. Students also have access to quality hygiene products like soap, shampoo, and laundry detergent during their term trips to the pantry. The Cave's primary goal is to provide food staples that are nutritious and appealing for those who need them.

In addition to food access, the Kodiak Cave includes cooking classes and videos, recipes and meal kits, and opportunities for gardening and sustainability education throughout the year. This program is available to all currently enrolled Cascadia students and is completely free to use. All you need to shop at the Cave is a photo ID and to sign up through our PantrySOFT portal.

In addition to food resources, the Kodiak Cave offers opportunities to participate in meaningful volunteer work both on and off campus. The Kodiak Cave's Community Service program partners with several types of organizations throughout the Greater Seattle Area. Through this program, Cascadia students can get direct support in finding, selecting, and beginning volunteer work in their chosen field and organization. The Kodiak Cave also hosts multiple on-campus service projects throughout the academic year. These service project events allow students to participate in valuable work without having to leave campus and minimizing any barriers to volunteering.

Lost and Found

Students or staff finding lost valuable articles on the campus may take them to the Campus Safety & Security Office in LB2-005. Campus Safety & Security accepts the following valuable lost items: purses, wallets, credit/debit cards, picture identification, electronics, jewelry, and college/university owned property. Security staff will attempt to notify the owner if possible. Items are held for approximately 30 days, then either donated to charity or discarded.

Any items deemed by Campus Safety & Security to be unsanitary and/or hazardous for storage will not be accepted.

To inquire about Lost & Found items, call 425.352.5359 or email at uwb-safety@uw.edu. Lost & Found may also be checked in-person at the Campus Safety and Security Office, LB2-005.

Parking on Campus

All students, faculty, and staff are asked to park on campus rather than the surrounding neighborhood streets (violators are subject to tickets or towing by the Bothell Police). Over 2,100 parking spaces are available on campus, in the north, south and west garages, and in the upper surface parking lots. Parking on Campus Way are either for 15 minute parking, ADA visitor parking, or motor pool for UWB. Carpool parking and motorcycle spaces are available in the north and south garages, and disabled parking is clearly marked in all locations.

Parking Locations on Campus:

- North Garage (closest to Cascadia College) 17945 Campus Way NE; clearance 7'-0", 6'-8" to upper deck
- Campus Way NE for load zones and disability parking available (located in front of Cascadia College)
- West Garage (located on 110th Ave NE) 18231 110th Ave NE; clearance 7'-0"
- Chase House Surface Lot (located east of the South Garage)
- Truly / Discovery Surface Lot (located west of Discovery Hall on 110th Ave NE)
- South Garage (closest to UW1, UW2 & Library building) 18500 Campus Way NE; clearance 7'-0", 6'-8" to upper deck
- South Surface Lots (first lot located on NE 180th St and second lot south of the South Garage)

Electric Vehicle Charging Locations

- North Garage
- South Garage

- Truly / Discovery Surface Lot
- West Garage

Parking is enforced 24/7. Daily parking permits must be purchased upon entry. Pay by license plate day permits can be purchased at the campus pay stations and through the Pay By Phone website or by using the PayByPhone app and use the Bothell Campus location number: 62000.

Term passes may be purchased online.

For more information about parking on campus, go to our Parking webpage.

Recycling

Environmental stewardship is a Cascadia value. Voluntary waste sorting and recycling is strongly encouraged. Triple stations with clear signs for waste, recycling, and compost are provided in all campus buildings, located in hallways rather than in the classrooms. Items such as batteries, small electronics, personal hygiene containers, and pens can be recycled in a rotating selection of specialty recycling boxes available in the CC1 and library lobbies and in CC3 next to the bathrooms. There are also on-site hazardous waste disposal services offered periodically by the King County Traveling Wastemobile Program.

Student Accessibility Services

Cascadia College is committed to ensuring equal access to education for all students. The Student Accessibility Services (SAS) provides accommodations and support services to students with disabilities. In accordance with Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities (ADA) Act of 1990 & Amendments of 2008, and Washington State Law (Core Services Act). Our mission is to provide equal opportunities throughout all educational programs, college services, and campus activities while promoting self-determination.

For more information or to request accommodations, please go to the Student Accessibility Services (SAS) webpage or visit SAS in the Kodiak Corner and by contacting us at accessibility@cascadia.edu or 425.352.8128.

Student ID Cards

Student photo ID cards are required on campus and provide access to the campus library. Students, faculty, and staff can have ID cards made in the Bock Learning Center. See the Learning Center webpage for more information.

Veterans Resource Center (VRC)

Cascadia College supports its military affiliated students from all branches of the service. The Veterans Resource Center (VRC) offers fellowship and activities, a calm environment to study or take a break and network with other students. Veterans, active duty military and their families are welcome to the VRC located on the 2nd floor of the CC3 building, CC3-227. For more information, email veterans@cascadia.edu.

Violence Prevention and Advocacy (VPA)

The Violence Prevention & Advocacy (VPA) office offers confidential support to all currently enrolled students affected by sexual assault, domestic violence, stalking, sexual harassment, and related experiences. Our advocates are available to meet with students to discuss reporting options, accommodations, and both on- and off-campus resources. Additionally, we provide prevention programs focused on consent, healthy relationships, bystander intervention, and more. While the VPA is not a crisis service and our staff are not licensed counselors however, we can refer you to appropriate services for further support.

Our mission leads efforts at Cascadia College and UW Bothell to foster a community free from sexual assault, domestic violence, stalking, sexual harassment, and related experiences. Our prevention work aims to address the root causes of harm and collaborate with our community to cultivate a culture of consent, respect, and healthy relationships. Our survivor advocacy work focuses on providing space, community, and support for individuals directly and indirectly affected by violence and harassment. To all survivors in our community: we see you, and we believe you.

Our confidential advocates offer compassionate and empowering support to students. We can help you explore your rights, options, and resources. All decisions about possible next steps will be entirely up to you.

We envision a UW Bothell and Cascadia College community that is free from violence and harassment, grounded in respect, support, and social justice.

The Violence Prevention & Advocacy (VPA) office is located in UW1 080 on the bottom level and the entrance says, "Counseling Center & Student Affairs." To set up an appointment in-person, enter through the Counseling Center entrance and provide your name to the front desk. For more information and resources or to set up a Zoom or in-person advocacy appointment, visit the Violence Prevention & Advocacy Support Webpage.

Campus Life

Student Life

Students who want to make the most of their college experience can get involved in the college's Student Life programs, the college governance system, or other activities and programs. Opportunities to learn at Cascadia extend far beyond the classroom. Research has shown that students involved in activities outside the classroom are more likely to succeed academically, complete a degree, and have a more positive experience overall.

Students are invited to participate in social, educational, cultural, leadership, and recreational activities. Some of the leadership opportunities available include student advocacy, student clubs, and event planning. For more information, students are encouraged to email us at studentprograms@cascadia.edu or visit our Student Life webpage.

Events & Advocacy Board (EAB)

The Events & Advocacy Board (EAB) is a campus programming board and student government. EAB members provide advocacy through sharing the student voice with campus administration regarding student concerns, support needs, and providing feedback on campus projects. In addition to advocacy work, EAB members coordinate a robust programming calendar offering social, cultural, and educational activities for students to feel connected to the Cascadia community, where they can make new friends and build connections outside of the classroom.

If you would like to follow what EAB is working on, volunteer at events, share student feedback, or attend a meeting, you can view their information on the Cascadia Student Life webpage under the Events & Advocacy Board. You can also contact them anytime at EAB@Cascadia.edu.

Community Engagement Officers

Community Engagement Officers (CEOs) promote Kodiak spirit and a sense of belonging on campus through outreach to the Cascadia student body about programs and activities, and by building connections between students through opportunities for involvement. CEOs manage campus-wide communications and marketing for co-curricular events, programs, and activities sponsored by the Office of Student Life, the Events & Advocacy Board, and a variety of student clubs. CEOs also manage and promote appearances by Kody the Kodiak, Cascadia's mascot. Contact the Community Engagement Officers at CEO@cascadia.edu or visit the CEO webpage to learn more.

Student Clubs and Organizations

Cascadia is more than just classes; we have clubs too! Clubs are a great way to learn about your own interests, meet new friends, try new things, and grow outside of class. Clubs are open to all students and if you don't see a club you are interested in, you can create your own! Visit the Club webpage to view a list of our current active clubs.

If you have any questions about clubs or activities, please visit the Club webpage or contact Student Life at studentprograms@cascadia.edu.

Activities & Recreation Center (ARC)

The Activities & Recreation Center (ARC) is the hub of student life on campus; a place for students to gather, socialize, and exercise. Featuring three floors of student resources and amenities:

- Lower Level: Fitness Center, Locker Rooms, Outdoor Gear Shop (NEST), Equipment Check Out, Food and Beverage Vending Machines
- First Floor: Information Desk, Video Game Alcove, Health & Wellness Resource Center (HaWRC), Student Leader Offices, Meeting Rooms

- Second Floor: Multipurpose Event and Gathering Space, Video Game Alcove, Gaming Tables, Meeting Room, Student Alcoves

The Activities & Recreation Center (ARC) is a joint facility paid for by the students of Cascadia College and University of Washington Bothell. Access to the Fitness Center is included in the ARC fee paid by most Cascadia students. All eligible staff and faculty from the University of Washington Bothell and Cascadia College can purchase an ARC Fitness Center membership by visiting MyArc.uwb.edu.

The ARC provides programming for your lifestyle, interests, and wellness needs. For more information, email: arcinfo@uw.edu.

Fitness Center

The Fitness Center located on the lower level of the ARC and is an inclusive space for creating community and connection while supporting the wellbeing of students, staff, and faculty. Enjoy a variety of recreational activities including intramural sports, group fitness classes, and outdoor recreation; many at no additional costs. We have the following amenities for all ARC Fitness Center attendees: day use lockers, towels, and additional fitness equipment including sports and fitness center equipment that is available to check out for day use only.

Programs Offered:

Group Fitness: Group fitness offers free cutting-edge services for enrolled students at the University of Washington Bothell and Cascadia College. Come join us for an ARC Group Fitness class! Register online through the myARC Member Portal or in-person at the Fitness Center. After signing-in to the Fitness Center, follow the signs on the wall for the ARC Fitness Studio.

Our weekly Group fitness classes include modifications for all levels and all abilities to ensure that everyone can take a step toward meeting their fitness goals. Our ARC certified instructors are top-quality, providing a workout experience that is sure to captivate you! All classes take place in the Fitness Center Studio, located in the Lower Level of the ARC, unless otherwise noted.

Register online through the myARC Member Portal or in-person! Registration opens 14 days prior to class time. You can cancel a registration up to 72 hours before class start time.

Please arrive between 5 to 10 minutes prior to the scheduled class time. The instructor will check you into class outside of the ARC Studio. Doors will close at the start of class and participants will not be admitted late.

Contact arcfitness@uw.edu with any questions.

Intramural Activities

The focus of Intramural Activities at the Activities & Recreation Center (ARC) is to provide an environment where students, faculty and staff have the opportunity to gather and participate in various sport and leisure activities regardless of skill level and ability.

Intramural Activities are comprised of traditional team sports with leagues and playoffs, as well as leisure activities and tournaments. Intramural activities specialize in sport, card, board, and alternative gaming for participants of all skill levels hosting weekly leagues, 1-3 day tournaments, and special events. Most events take place on campus at the Activities & Recreation Center or the Sports & Recreation Complex.

Our regularly offered leagues are 7v7 Flag Football, 7v7 Soccer, and 5v5 Basketball. These leagues are open to all abilities, skill levels, and genders. Additionally, there are monthly Gaming Mondays hosted in the Overlook where students can engage in video, card, or board games with their campus community.

Student IDs are required for check-in. Register at www.imleagues.com/uwb.

Contact imhub@uw.edu with any questions.

Outdoor Wellness

Are you looking for a way to build community, learn new skills and play outside? Outdoor Wellness offers free and/or highly subsidized programs plus free outdoor gear rentals to students attending UW Bothell and Cascadia College.

Outdoor Wellness aims to provide strategic and intentional programming designed to diminish barriers to entry for outdoor recreation, increase competency and mental fortitude, develop skills for responsible participation in outdoor activities and optimize health through the nine dimensions of wellness. Our activities are created with accessibility in mind and design for all levels, experiences, and bodies. Examples of the kinds of programs we have offered in previous years are: hiking, rock climbing, cat yoga, canoeing, forest bathing, camping, tide pooling, nature crafting, outdoor skills workshops, paddle boarding, and so much more!

Located in the Lower Level of the ARC, the Nest Gear Shop is a library of over 1,300 pieces of outdoor equipment available to current UW Bothell and Cascadia College students for absolutely free. Students can rent as much equipment as they would like for up to two weeks for their own excursions or to use on Outdoor Wellness programs.

Sports and Recreation Complex

The ARC Sports and Recreation Complex is available to current Cascadia College and UW Bothell students at no cost. The complex includes one large synthetic grass multi-purpose field, two synthetic grass tennis courts (sand-filled, so they feel like a clay surface), one basketball court and a sand volleyball court. All courts and spaces are equipped with lights to be able to participate in evening recreation. Rental equipment can be acquired from the front desk in the fitness center. More information including hours of operation can be found the Sports and Recreation Complex webpage.

Center for Inclusion, Advocacy, and Community

Mission

The Center for Inclusion, Advocacy, and Community is a welcoming, equitable, and inclusive space that promotes strong social connections and encourages students to be social change agents. We strive to serve historically marginalized and underrepresented students and help them towards success at Cascadia College.

Our Activities

We believe that we are stronger together! All are welcome in the Center for Inclusion, Advocacy, and Community – we are here to assist our community towards success at Cascadia and beyond. Individual differences are celebrated in a pluralistic community of learners. We offer a variety of activities, including weekly and monthly series, in addition to celebrations throughout the year.

We are committed to the power of community and connection. The Center is a place to learn together. Throughout the year, we offer movie screenings, discussions with our campus community or outside speakers, and events centering on the diversity at Cascadia. Learning breaks down barriers, builds bridges, and creates a sense of belonging for all. Through learning and connection, we grow stronger together.

Services

Cascadia is dedicated to creating a supportive environment for a diverse student, staff, and faculty population. The Center for Inclusion, Advocacy, and Community also offers a variety of services including:

- Resources for students, staff, and faculty
- Workshops and Guest Speaker Series
- Film Screenings and Discussions
- Events and Celebrations
- Coordination of Cascadia's participation in the Washington State Student of Color Conference for Cascadia students

Emergency College Closures

We know that a safe and secure campus is tremendously important to you and your family. Through the efforts of committees comprised of leaders from both intuitions -- as well as from our Campus Safety & Security Office, Cascadia's emergency management team, and UW Bothell's emergency management team -- we are always engaged in the work of improving the safety and preparedness of our campus community.

Cascadia College will close the campus including the Redmond classroom, offices, and cancel classes if severe weather or other emergency conditions make the campus unsafe.

Cascadia College and UW Bothell uses an alert system to keep you informed in the event of a campus closure, warning, or active crisis. To receive notification about college closures via your email, mobile phone or home phone, you must sign up to receive instant emergency alerts. The current status of campus operations and the **sign up for emergency alerts** is available on the Emergency Alert webpage.

In the event of an emergency or college closure, Cascadia will issue communications using the following platforms:

- UW alert system
- Cascadia Facebook
- Cascadia Instagram
- Cascadia Twitter
- Cascadia email
- Home page of Cascadia public website
- Major TV and Radio new stations

If the Cascadia campus is closed, all classes held at other locations or online will also be cancelled. Please check the Emergency Alert webpage for additional information. Cascadia College's main phone line is 425-352-8000.

Building Evacuation

In the event of a building evacuation, proceed to the Evacuation Assembly Points.

- **Flag Pole (EAP 6)**
  - From CC1 at first level promenade main entry/exit or south exit
  - From CC2 via north exits (towards bus stop)
  - From CC3
- **North Garage (EAP 5)** - grassy area south of garage
  - From CC1/2 via lower level main entry/exit
  - From CC1 south exit
- **Crescent Path (EAP 7)** - sidewalk behind Food Forest
  - From Innovation Hall via lower level main entry/exit
- **Truly / Discovery Surface Lot (EAP 8)** - surface parking lot next to Discovery Hall
  - From Innovation Hall via 3rd floor west entry/exit

Do not re-enter building until there is an ALL CLEAR message.

In any emergency, call 9-1-1 for immediate help.

Call 425-352-5359 to connect with our 24-hour Campus Safety & Security Office.

Visit the Campus Safety webpage for more emergency and evacuation procedures.

Graduation Requirements

Graduation Requirements

Students who have been continually enrolled at Cascadia may elect to complete program requirements in effect in the catalog published at the time they first began their degree or certificate. Continuous enrollment is defined as attending at least one quarter during the academic year and having no more than a two-quarter break in enrollment (excluding summer.) Students who are not continuously enrolled must complete the program requirements from the catalog in effect when they re-enroll.

To receive a degree or certificate from Cascadia College, a student must:

1. Be enrolled in a Cascadia degree or certificate program.
2. Satisfy all specific program requirements as stated in the college catalog.
3. Achieve a minimum 2.0 cumulative grade point average (GPA) for courses taken at Cascadia. The 2.0 cumulative GPA is required for transfer courses used to satisfy degree requirements. Transfer courses are not averaged with Cascadia's GPA.
4. At least 25 credits must be taken at Cascadia that apply to the degree or certificate.
5. Earn at least 60 degree credits with decimal grades. The decimal grades must be no lower than 1.0 (D). 30 credits with a 'P' Pass grades which are generally credits from AP (Advanced Placement), IB (International Baccalaureate), and CI (Cambridge International) may be applicable.
6. Meet with an Academic Advisor to complete the Graduation Application and ensure all requirements will have been met after the applicant's final term. Students can complete a Graduation Application with an Academic Advisor during drop-in advising. See Cascadia's Academic Advising webpage for drop-in advising times.

If transferring to a four-year institution, students should seek information directly from that institution's admissions office and from advisors in a chosen major at that school.

Graduation Application Deadlines

Students who are eligible for a degree or certificate may submit a graduation application during their final term or the term preceding their final term. A graduation application is submitted by meeting with an academic advisor or by emailing advising@cascadia.edu.

It is suggested that students submit their graduation application for fall, winter, or spring; no later than the third week of the term in which they plan to graduate. For the summer term graduation, it is suggested that students submit graduation applications no later than the second week of the summer term.

- **Fall** term graduation — *third week of fall term*
- **Winter** term graduation — *third week of winter term*
- **Spring** term graduation — *third week of spring term*
- **Summer** term graduation — *second week of summer term*

Students who have completed their degrees or certificates during the previous fall and winter terms and those anticipating completion during spring and summer terms are invited to participate in the annual commencement ceremony, held in mid-June.

Graduation Honors

Cascadia College places a high value on scholarship. To encourage and reward high academic achievement, students who distinguish themselves in the classroom throughout their program of study are recognized by being awarded Graduation Honors as described below during Commencement and on their diploma. All graduates earning Graduation Honors will be given an honor cord to wear in the Commencement ceremony. For students graduating in spring or summer, the honors listed in the Commencement Program, as well as honor cord distribution, will be based upon a student's cumulative grade point average as of the end of winter term, since spring and/ or summer grades are not available for this determination. Only Cascadia College credits are used to calculate the cumulative grade point average for the purpose of awarding graduation honors.

President's Honors

Graduating students who have earned a cumulative college-level grade point average of 3.9 or higher will be awarded President's Honors.

Faculty Honors

Graduating students who have earned a cumulative college-level grade point average between 3.6 to a 3.89 will be awarded Faculty Honors.

Transfer Services

Cascadia's academic advisors are available to assist students wishing to transfer to a four-year institution. Advisors help students plan for Cascadia's graduation requirements, university admission requirements, and the requirements of various majors. For more information and ways to connect with advising, visit our Academic Advising webpage.

Washington 45

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 term credits toward general education requirement(s) at any other public and most private higher education institutions in the state. For transfer purposes, a student must have a minimum grade of C or better (2.0 or above) in each course completed from this list. Students who transfer Washington 45 courses must still meet a receiving institution's admission requirements and eventually satisfy all their general education requirements and their degree requirements in major, minor and professional programs.

First Year Transfer List

- Communications (5 credits) – ENGL& 101, ENGL& 102, ENGL& 235
- Quantitative and Symbolic Reasoning (5 credits) – MATH& 107, MATH& 141, MATH& 142, MATH& 148, MATH& 151, or PHIL& 120
- Humanities (10 credits in two different subject areas or disciplines) – ART& 100, CMST& 101, CMST& 220, DRMA& 101, ENGL& 111, MUSC& 105, PHIL& 101; Any 100-level Common Course Numbered world language course offered at the college (for example, ASL& 121). For colleges that use History as a Humanities: HIST& 126, HIST& 127, HIST& 128, HIST& 136, HIST& 146, HIST& 147, HIST& 148, HIST& 214, HIST& 215, HIST& 219, HIST& 220
- Social Science (10 credits in two different subject areas or disciplines) – ANTH& 100, ANTH& 106, ECON& 201, ECON& 202, POLS& 101, POLS& 202, PSYC& 100, SOC& 101. For colleges that use History as a Social Science: HIST& 126, HIST& 127, HIST& 128, HIST& 136, HIST& 146, HIST& 147, HIST& 148, HIST& 214, HIST& 215, HIST& 219, HIST& 220
- Natural Sciences (10 credits in two different subject areas or disciplines) - ASTR& 100, ASTR& 101 with lab, BIOL& 100, BIOL& 160 w/ lab, BIOL& 211-213, CHEM& 105, CHEM& 110 with lab, CHEM& 121 with lab, CHEM& 161-163, ENVS& 100, ENVS& 101, GEOL& 101 with lab, NUTR& 101, PHYS& 114-116

Additional 5 credits in a different discipline can be taken from any category listed above.

PLEASE NOTE: *Although these courses are listed under categories, the actual course may satisfy a different general education category at a receiving institution.*

Transfer of Credits

Start Your Bachelor's Degree at Cascadia

Cascadia offers a Bachelor of Applied Science in Sustainable Practices and one in Bachelor of Applied Science in Mobile Application Development. Students interested in remaining at Cascadia to complete the applied bachelor track should speak with an advisor to determine which associates degree pathway is best suited for them.

Through the Direct Transfer Agreement (DTA) students may be able to complete 90 credits at Cascadia and satisfy most of the general education requirements for a baccalaureate degree program in Washington State. Students

intending to receive an associate's degree from Cascadia and transfer to a four-year public or private university to complete a bachelor's degree should consult with an advisor at the receiving institution to ensure courses and credits completed at Cascadia will be accepted. Cascadia advisors can assist in this process as well.

Transfer of Credits to Other Schools

Cascadia College endorses the policy on intercollegiate transfer among Washington colleges and universities approved by the Higher Education Coordinating Board in February 1986. Copies of this document are available through all public post-secondary institutions in the state of Washington and at Cascadia's Kodiak Corner. Transfer students encountering difficulties are encouraged to contact an academic advisor.

Students who plan to transfer from Cascadia College to a baccalaureate college or university are advised to study the following information:

- Meet the admission requirements of the baccalaureate institution at the time they transfer. Transferability of courses taken at Cascadia College is determined by the institution to which the student transfers. Most Cascadia courses are designed for transfer. However, certain institutions may limit the number of credits earned in a Pass system (courses receiving grades listed as P/NC), or may have limits on certain classes.
- Some credits earned in professional/technical programs, such as Business and Information Technology are not transferable to all colleges and universities. Students should work closely with academic advisors before attempting to transfer courses that are specialized components of a two-year professional/technical program.
- Cascadia students may earn credits beyond the 90 necessary for the degree. However, the transfer institution will determine how those excess credits may be used. Credits completed at the lower-division level rarely supplant credits required at the upper-division level. Usually, 90 additional credits will be required at the upper-division level to earn a baccalaureate degree.
- An institution to which an official transcript is sent may re-compute the grade point average of the student in accordance with its own requirements and policies.

A student should follow the procedures described below to transfer satisfactorily to a baccalaureate institution.

1. Obtain a current catalog of the institution to which the student wishes to transfer and study its admission requirements and its suggested freshman and sophomore level courses in the major field of interest. Institutions differ in treatment of credits received.
2. Meet with a Cascadia College advisor about transfer needs. Many curriculum-planning guides for transfer to baccalaureate institutions are supplied by the college.
3. Contact an admissions officer at the baccalaureate institution for further information about curriculum and transfer regulations.
4. Check carefully at least two terms before transferring to be sure that all requirements will be met and all regulations are observed to the satisfaction of the baccalaureate institution.

Last minute changes in a major field of study or choice of baccalaureate institution may cause Cascadia's credits to transfer in different ways. Changes should be discussed by your advisor so that the consequences are understood.

Non-Transferable Courses

The following courses will not transfer to any four-year college:

1. Courses numbered below 100.
2. Certain courses numbered 100 or above, such as continuing education and English as a Second Language. (These are not normally transferable; consult with an advisor for more information.)
3. No more than 15 credits of courses that are listed in the AIS degree as "restricted electives" can be transferred.

Transfer of Credits to University of Washington Bothell

Cascadia College is co-located with the University of Washington Bothell. Students are encouraged to learn more about available UWB programs and Cascadia courses that would prepare them to transfer to UWB. Cascadia advisors and UWB advisors are available to assist students with information about UWB admission requirements and help ensure a smooth transition from Cascadia to UWB.

Academic Policies

Academic Standards

Cascadia College is committed to facilitating the academic success of students. The primary purpose of the Academic Standards and Progress Policy is to quickly identify, alert and provide support in grade improvement for students with low academic achievement. Additionally, the policy is intended to ensure students are making progress toward their educational goals.

Good Academic Standing

Students whose cumulative and most recent term grade point average (GPA) is 2.0 or above are considered to be on good academic standing.

Level I – Academic Concern

Students enrolled in academic programs carrying five or more credits will be placed on Academic Concern at the end of any term in which their cumulative GPA is 2.0 or better but their term GPA is below 2.0. Students who fail to make satisfactory progress over time will be placed on the next level of academic intervention. Students placed on Academic Concern will be sent a letter that offers effective study tips and strongly encourages students to take advantage of college support resources for education planning. There is no appeal process to this level of intervention.

Level II – Academic Intervention

Students enrolled in academic program carrying five or more credits will be placed on Academic Intervention at the end of any term in which both their cumulative and term GPAs are below 2.0. Students placed on Academic Intervention will be sent a letter that offers effective study tips and strongly encourages students to take advantage of college support resources for education planning. Students on Academic Intervention are required to complete an Academic Success Plan that outlines steps, created by the student, for improving the student's academic performance. A student on Academic Intervention will be required to meet with an advisor to review their success plan prior to enrollment. Enrollment will be blocked while the student remains on Academic Intervention. Students must contact advising to enroll, add, or drop courses. There is no appeal process to this level of intervention. Students remain on Academic Intervention until their cumulative GPA is 2.0 or better.

Level III – Academic Suspension

Students enrolled in academic programs carrying five or more credits will be placed on Academic Suspension at the end of any term in which their cumulative and term GPAs are below 2.0 for three consecutive terms. Students placed on Academic Suspension will not be permitted to enroll for any courses for credit the subsequent term. Suspended students will be blocked from enrolling into classes. Students who enrolled for classes prior to suspension status will be administratively withdrawn, and tuition paid will be refunded. While suspended, students may not participate in events or activities reserved for students.

Students placed on Academic Suspension will be sent a letter that outlines the appeal process for reinstatement. To be considered for reinstatement, students must show proof of circumstances over which they did not have control and/or proof of making measurable and substantial progress towards improving their grade point average. Students must contact an academic advisor to initiate this process.

Appeals of Suspension

Appeals of academic suspension due to unusual or extraordinary circumstances can be made to the Director of Student Advising and Success Services before the first day of the suspended term.

Reinstatement after Suspension

A suspended student may petition for readmission to the College after a waiting period of at least one term. The student must contact advising at least two (2) weeks prior to the beginning of the term that the student wants to attend. Prior to the readmission appointment, the student must submit a readmission essay and success plan that includes:

- The student's short-term educational goals
- Specific plans to overcome barriers and improve the student's academic progress

- Proposed course schedule

The Retention Specialist or Director of Student Advising and Success Services will review the readmission documents with the student and outline specific conditions that the student must meet for reinstatement. If approved, the student will continue on Academic Intervention status Level II until both their cumulative and term GPAs are above 2.0. Notification will be sent to the student outlining conditions of readmission.

If a student receives a term GPA of below 2.0 after reinstatement during the first term of their probationary period, the student will be dismissed for 1-year. Re-admitted students will continue on Academic Intervention until they reach satisfactory academic progress (cumulative 2.00 GPA).

Grading System

Students can access grades online approximately one week after the end of the term. Instructors may report grades from 4.0 to 1.0 in 0.1 increments, as well as the grade of 0.0. Grades in the range of 0.9 to 0.1 are not assigned. Under specific circumstances, non-decimal grades of "H," "I," "P," and "NP" may be awarded. See Letter Grade Designation page for details.

Repeating a Course

Students may repeat any course a maximum of two times (enroll in the class up to three times). An "RPIN" will be placed next to the best grade, calculating into the Cascadia GPA. An "RPEX" code will be placed next to the lower grade(s), removing them the Cascadia GPA. The transcript will show that a course has been repeated, except in certain designated courses where the student may, by re-enrolling, obtain additional credits and grade points.

Students who took classes in our previous student management system prior to 2020, may request that an "RPEX" be posted next to the previous course grade(s) on the official transcript by emailing enrollment@cascdia.edu. Students who took classes in our new student management system, ctcLink, do not need to submit this request.

Courses may be repeated up to two times (or enroll in the class up to three times). (WAC 392-415-055 and RCW 28A.230.125)

Students receiving financial aid should contact Student Financial Services to inquire whether financial aid will cover the cost of repeating a course.

Students should be aware that other schools and universities may treat repeated classes differently.

Grade Changes

Students are advised to contact the instructor immediately if a grade has been recorded incorrectly, but no later than the end of the following term that the grade was earned. Errors and omissions will be corrected as soon as identified.

Grade changes are submitted by the instructor to Enrollment Services.

1. Grade changes will not be made unless documentation is provided by the instructor that the grade was awarded in error.
2. Grade changes will be made at any time if due to an administrative error at the administrators discretion.

Instructional Grievances

During the quarter, students are encouraged to discuss concerns about their class with the appropriate instructor. If concerns persist, the Dean for Student Learning should be consulted. If the matter cannot be resolved informally as outlined above, students may file formal grievances by following the processes outlined in the Student Rights and Responsibilities section of the Student Handbook, which is available on the Cascadia website.

Grade Appeals Process

Course Grade Appeals

Cascadia College believes in the right of all students to receive a fair and equitable review process when a grade complaint arises. The Senior Academic Officer will establish procedures to govern all grade review requests. These procedures will ensure that the grade awarded was not an arbitrary or capricious evaluation of the student's fulfillment of the course requirements as described in the course syllabus.

Administrative Procedures

Students who believe they received an improper final grade shall have until a week prior to the end of the subsequent term to appeal. For example, if the final grade was given in fall term, it must be appealed no later than a week prior to the end of winter term. However, if the grade was given in spring term the complaint may be appealed through a week prior to the last day of the next fall term. Students are responsible for retaining all papers, tests, and projects from the class in question. W Withdrawal, or V Vanished are not appealable.

PLEASE NOTE: *The Grade Appeal Process is not available to a student in a case where the grade has been given as a result of disciplinary action, such as cheating or plagiarism.*

Step 1: Informal Process — Resolution Between Student and Faculty

The student initiates the grade appeal process by speaking to the course instructor. This process should facilitate good faith efforts on the part of both the student and faculty member (see following note) to resolve the matter.

PLEASE NOTE: *In the event that the instructor is no longer employed by the college, or is away from the campus for an extended period of time, the Dean for Student Learning will appoint two faculty members to review the student's work and the grade which is under appeal. The grade can only be changed upon the recommendation of both faculty members. If there is no agreement, the grade shall remain as awarded.*

Step 2: Formal Process with the Dean for Student Learning

If the informal resolution with the instructor is not reached, the student can initiate a formal grade appeal process by submitting a completed grade appeal form to the Dean for Student Learning a week prior to the end of the following term (with exception for summer term). Once the Dean for Student Learning has received the completed form, they have ten (10) business days during which classes are in session in which to discuss the situation with the instructor and the student. The student must be reasonably available to meet with the Dean for Student Learning. The Dean for Student Learning has another ten (10) business days following their discussion(s) with the instructor and student within which to make a written recommendation to the student which may include:

1. To deny the request for a change of grade.
2. To move forward with the grade appeal and convene the Hearing Committee.

If the Dean for Student Learning convenes the Hearing Committee, the decision of the Hearing Committee shall be final.

Appeal of the Dean for Student Learning's Decision to Deny the Grade Change

If the student wishes to appeal the Dean for Student Learning's decision to deny the grade change, it should be done within five (5) business days of receipt of the Dean for Student Learning's decision. The written appeal should be submitted to the Senior Academic Officer and should stipulate the reasons for the appeal. The Senior Academic Officer has ten (10) business days following the receipt of the appeal to review the documents and meet with the student. The Senior Academic Officer has another ten (10) business days following their meeting with the student to make a written recommendation to the student which may include:

1. To uphold the decision of the Dean for Student Learning and deny the request for a change of grade which will end the appeal process.
2. To move forward with grade appeal and request the Dean for Student Learning convene a Hearing Committee.

If the recommendation is to convene the Grade Appeal Hearing Committee, the Senior Academic Officer will review the procedures of the Hearing Committee with the student.

Composition of the Grade Appeal Hearing Committee

The Grade Appeal Hearing Committee will be drawn from the college's pool of tenured faculty with Senior 1 status or higher. From the pool, six (6) will be chosen randomly by the Dean for Student Learning (with the student and the instructor of record present). The student will then remove two (2) of the six (6) names. The remaining four (4) faculty members will make up the Hearing Committee. Chosen faculty may abstain from any Hearing Committee if they stipulate that serving poses a conflict of interest. In that case, another member would be selected randomly from the pool by the Senior Academic Officer. The Dean for Student Learning or designee will serve as facilitator and ex-officio member of the Grade Appeal Hearing Committee.

Grade Appeal Hearing Committee Process

The Dean for Student Learning will contact the Grade Appeal Hearing Committee within ten (10) days of the request by the Senior Academic Officer. The Hearing Committee will set a date for the hearing, review all documentation, and may interview all parties, including other students who may serve as student and/or faculty advocates.

The instructor and the student will have a maximum of 30 minutes each in which to present their case. The Hearing Committee may vote to extend the 30-minute limit to an additional amount of time and provide the same number of minutes to both the student and instructor. The Hearing Committee will render their decision within ten (10) business days of the hearing. The decision of the Committee is final and the appeals process ends.

If there is a tie vote by the Hearing Committee, the Senior Academic Officer shall review the record of the hearing committee and render a decision. The decision of the Senior Academic Officer shall be final. Copies of the decision will go to the Senior Academic Officer, the student, and the instructor. A copy also will be placed in the student's file.

Transfer of Credits to Cascadia College

Course work from accredited institutions will be accepted to a maximum of 65 credits. See the Transcript Evaluation section under Admission and Registration. The course work from other colleges will be evaluated upon receipt of the Transcript Evaluation Request form, available online.

Credit for Prior Learning

Cascadia awards college credit for prior learning when a student demonstrates they have achieved the student learning outcomes, knowledge, and skills found in the Course Outcomes Guide for that specific course. Prior learning experience can be gained through formal and informal education, work and life experience, as well as military training and experience. These credits will not fulfill Cascadia's 25-credit residence requirement that students must complete at Cascadia in order to graduate.

Interested students should first complete a Cascadia College application and determine a specific degree or certificate as their goal. Credit for Prior Learning can be awarded by Transcript Evaluation or a Course Challenge. Course Challenge may be achieved through an Industry Recognized Certification, Credit by Exam, or Documented Experience.

Transcript Evaluation

This includes any transcripts from previous regionally accredited colleges, universities, and military training as well as credit earned through National Standardized tests such as the Advanced Placement (AP), International Baccalaureate (IB) or Cambridge International Examination tests. Transcript evaluation is coordinated through the Enrollment Services Office; see Transcript Evaluation section under Admission and Registration.

Course Challenge

Course Challenge may be achieved through an Industry Recognized Certification, Credit by Exam, or Documented Experience. A maximum of 15 credits of the following experiences may be applied to degree or certificate requirements.

Industry Recognized Certification

Cascadia's Professional Technical Programs may award program credit for specific industry recognized certifications. Networking Infrastructure is the only program that has pre-approved certain certificates for the awarding of credit. Interested students should speak with their programs advisor or faculty member to initiate the process.

Credit by Exam
This is possible for a limited number of classes for which faculty have developed an examination or other means of demonstration of college-level learning outcomes. This process is appropriate for those students whose work or life experience has provided them with learning that closely matches a particular course at Cascadia.

Interested students should begin by contacting the Student Learning Office. They will maintain a list of all courses which may be challenged and the instructor(s) who can administer and assess the demonstration of learning. If a student wishes to challenge a course not listed, the appropriate Dean will contact the faculty to see if a challenge will be allowed.

Documented Experience
Documented prior experience that demonstrates college-level learning equivalent to coursework at Cascadia may earn academic credits or placement in professional/technical programs. If you are able to document past experience that connects to a specific course(s), you may be eligible. Interested students should begin the process by contacting the Student Learning Office.

Current Fees:

- Industry Recognized Certification - $35 per 5 credit course
- Credit by Exam - $155.00 per assessment
- Documented Experience (Assessment of Portfolio) $260.00 up to 10 credits

Learning Credits

The regular college year is divided into three terms of 11 weeks each, plus a condensed summer session. Credits may be earned from several modes of learning: Theory (lecture) Guided Practice (lab), and Field Based Experiences (internships/service learning). For each hour of faculty instruction, the student should allow an average of two hours of out-of-class student work. A carefully planned program of 15 or more college-level credits per term will allow for graduation in two years. A carefully planned program of 10 or more college-level credits per term will allow for graduation in three years. Students should develop their program of study with an academic advisor.

To enroll in more than 24 credits students must have academic advisor approval.

Examinations

All students are required to take regularly scheduled examinations as outlined in the course syllabus. Final examinations are held at the end of each term and are scheduled by the instructor of the course. If a student misses an examination, it is their responsibility to contact the instructor and, if permitted by the course syllabus, schedule a makeup exam as soon as possible. Some online courses require proctored exams and will be indicated in the term class schedules.

Attendance

Attendance and participation requirements for each course are specified in the course syllabus and are an important part of student learning and student success.

Academic Integrity Policy Statement

WAC 132Z-115-0025
Admission to Cascadia College carries with it the presumption that students will conduct themselves with high standards of academic honesty and integrity.

Hallmarks of academic integrity include:

- Submitting work that reflects original thoughts and ideas
- Clearly citing other people's work when using it to inform your own
- Seeking permission to use other people's creative work
- Fully contributing to group work and projects
- Students who choose not to uphold the hallmarks of integrity are considered to be engaging in academic dishonesty.

Academic dishonesty is defined as any act of course-related dishonesty, including but not limited to cheating, plagiarism and fabrication.

- Cheating includes any attempt to give or obtain unauthorized assistance relating to the completion of an academic assignment, including collaboration without authority.
- Plagiarism includes taking and using as one's own, without proper attribution, the ideas, writings, or work of another person in completing an academic assignment. Prohibited conduct may also include the unauthorized submission for credit of academic work that has been submitted for credit in another course.
- Fabrication includes falsifying data, information, or citations in completing an academic assignment and also includes providing false or deceptive information to an instructor concerning the completion of an academic assignment.

Any act of cheating and/or plagiarism is strictly prohibited and will be subject to disciplinary action. Where suspected violations of the academic honesty policy occur, appropriate procedures are designed to protect the academic process and integrity while ensuring due process. Students are expected to adhere to guidelines on academic honesty as stated by individual instructors in their course syllabi, provided those guidelines do not contradict policies and procedures established in the Student Code of Conduct. All documented violations of the academic honesty policy will be reported to the Student Conduct Officer, who shall maintain a record of violations. Students who violate the academic honesty policy twice will be placed on Disciplinary Probation. Students who violate the academic honesty policy subsequently (a third time) will be placed on Disciplinary Suspension.

Letter Grade Designations & Grading Policy

Cascadia grades use the decimal grading system. Instructors may report grades from 4.0 to 1.0 in 0.1 increments, as well as the grade of 0.0. Grades in the range of 0.9 to 0.1 are not assigned. Decimal grades are equivalent to letter grades as follows:

The table above outlines the basic relationship between grades on a 4.0 scale and the letter grades used at other institutions.

Decimal Grade	Letter Grade
4.0 - 3.9	A
3.8 - 3.5	A-
3.4 - 3.2	B+
3.1 - 2.9	B
2.8 - 2.5	B-
2.4 - 2.2	C+
2.1 - 1.9	C
1.8 - 1.5	C-
1.4 - 1.2	D+
1.1 - 1.0	D
0.0	F

Cascadia College will use the following letter grades for credit classes, as appropriate. These letter grades are not subject to the Grade Appeal Process.

GRADE	POLICY	OUTCOMES	PROCESS
H	**Course in Progress** - This grade is assigned when instructors teach courses that extend beyond the end of the term or for courses which are continuous.	• Grade is not calculated in GPA by Cascadia, and no credit is awarded for	• At the time when grades are due, an H will be awarded. • Upon the completion of the course, the instructor will award the final grade, which will replace the H grade.

GRADE	POLICY	OUTCOMES	PROCESS
		the course until the final grade is issued by the instructor.	
I	**Incomplete** - This grade may be given when requested by the student and approved by instructor. A grade of I is appropriate when the student (a) has already completed a majority of work for the course, (b) is unable to finish the remaining coursework, and (c) is able to complete the coursework with no additional instruction. *PLEASE NOTE: Student must complete work by the end of the following term in which the I is given (not including the Summer Term); a one term extension may be granted in certain unusual circumstances, at the instructor's discretion.*	• Student receives grade based on previously completed coursework and contracted work if that work is submitted by contract date. • Student receives the grade designated on the contract if contracted work is not completed by contract date. • This grade may adversely affect student's ability to register in subsequent terms.	• Student makes a written request for an I to the instructor of record for the respective course. The request must be made prior to the end of the term in which the student is enrolled in the course. • Student and instructor draft and sign an Incomplete Contract, which delineates work to be completed and indicates what grade will be given if the contracted work is not completed in the allotted time. • The instructor submits grade change form after contracted work is submitted and graded. • Extenuating circumstances that change the contract deadline will require a revised Incomplete Contract to be signed.
N	**Audit** - The student participates in coursework at the instructor's discretion, but no credit is earned.	• Grade is not calculated in GPA by Cascadia and no credit is awarded for the course.	• Up to the end of the second week of the term, students may initiate, without instructor's permission, a change to or from audit status. • From weeks three through six of the term, instructor permission is required. • After the sixth week, no change in status may be made. **PLEASE NOTE:** *This timeline is adjusted for Summer Term. Please see the Enrollment Calendar on Cascadia's website for enrollment dates and deadlines.*
W	**Official Withdrawal** - This grade is assigned when the student withdraws from a class in weeks three through eight of the term. After the eighth week, no official withdrawal may be made. **PLEASE NOTE:** *This timeline is adjusted for Summer Term. Please see the Enrollment Calendar on Cascadia's website for enrollment dates and deadlines.* The W designation is not calculated in the GPA and no credit is awarded for the course. This may adversely affect the student's ability to register in subsequent terms and may affect the student's financial aid award. See Academic Standards and Progress for more information.	• Grade is not calculated in GPA by Cascadia, and no credit is awarded for the course. • This grade may adversely affect student's ability to register in subsequent terms.	• Student may withdraw from class(es) through online ctcLink account or by emailing enrollment@cascadia.edu. • Students may not withdraw from a course to avoid penalty for violation of academic honesty.
P Non-graded	**Passed the Course** Non-graded classes use a "P" grade to designate a grade of 2.0 or higher OR for level completion. This grade is assigned when the student has met the learning outcomes for the class. Only designated courses are graded using a P. This information is listed in the course description of the class schedule. Once a grade of P has been awarded, it cannot be changed to a numeric grade.	• Grade is not calculated in GPA by Cascadia.	• Upon the completion of the course at a grade of 2.0 or higher OR for level completion, the instructor will award the final grade of P.
NP Non-graded	**No Credit for the Course** This grade is assigned when the student has not met the class outcomes and requirements to receive a grade of 2.0 or higher OR for level completion. Only designated courses are graded using a NP. This information is listed in the course description of the class schedule.	• Grade is not calculated in GPA by Cascadia.	• Upon the completion of the course and if the student did not pass with a grade of 2.0 or higher OR did not meet the learning outcomes for the class, the instructor will give a final grade of NP.

Grade Point Average (GPA)

Term grade point averages are calculated as follows:

1. Multiply the number of credits for each course by the grade received to get the grade points for that course.
2. Add up all the grade points from your courses.
3. Divide the total grade points by the total number of credits from courses that use numerical grades.

Grades like I (Incomplete), N (No Credit), P/NP (Pass/No Pass), and W (Withdrawal) grades are not included in the GPA calculation.

Advanced Placement (AP) Credits Chart

Advanced Placement Transfer Agreement

Cascadia College will award unrestricted elective credit for an Advanced Placement score of 3 or higher. Credit will be awarded on the basis of official AP results, not transcript notation. Credits granted for general education or major requirements are listed below. Credit for exams not listed below with a score of 3 or higher will be awarded as elective credit. A maximum of 30 alternative credits (AP, IB, or CI) may be used toward any degree.

Advanced Placement (AP) Credits Chart

Subject	AP Score	Cascadia Credit
African American Studies	3, 4, 5	Humanities or Social Science Electives (ex: HUMAN 9XXX) (5 credits)
Art: History	3, 4, 5	ART&100 (5 credits)
Art: Drawing	3, 4, 5	ART 121 (5 credits)
Art: 2-D or 3-D Design	3, 4, 5	Humanities Electives (ex: HUMAN 9XX) (5 credits)
Biology	3, 4, 5	BIOL 120 (5 credits)
Calculus AB	3, 4, 5	MATH& 151 (5 credits)
Calculus BC	3, 4, 5	MATH& 151 and MATH&152 (10 credits)
Chemistry	3, 4	CHEM& 121 (5 credits) or CHEM&161 (6 credits)
	5	CHEM& 121 (5 credits) or CHEM& 161 and CHEM& 162 (12 credits)
Chinese Language & Culture	3	CHIN& 121 (5 credits)
	4	CHIN& 121 and CHIN& 122 (10 credits)
	5	CHIN& 121, CHIN& 122, and CHIN& 123 (15 credits)
Computer Science A	3	IT-CS 115 (5 credits)
	4, 5	IT-CS 142 (5 credits)
Computer Science AB	3, 4, 5	Computer Science Elective (ex: C/T 9XXX) (5 credits)
Computer Science Principles	3, 4, 5	Computer Science Elective (ex: C/T 9XX) (5 credits)
Economics: Micro	3, 4, 5	ECON& 201 (5 credits)
Economics: Macro	3, 4, 5	ECON& 202 (5 credits)
English Language & Composition	3	English Elective (ex: ENGL 9XX) (5 credits)
	4, 5	ENGL& 101 (5 credits)
English Literature & Composition	3, 4, 5	English Elective (ex: ENGL 9XX) (5 credits)
Environmental Science	3	Environmental Science Elective (ENVS 9XX) (5 credits)
	4, 5	ENVS& 101 (5 credits)
French Language & Culture	3	FRCH& 121 (5 credits)
	4	FRCH& 121 and FRCH& 122 (10 credits)
	5	FRCH& 121, FRCH& 122, and FRCH& 123 (15 credits)
French Literature	3	FRCH& 121 (5 credits)

Subject	AP Score	Cascadia Credit
	4	FRCH& 121, FRCH& 122 (5 credits)
	5	FRCH& 121, FRCH& 122, FRCH& 123 (10 credits)
Geography: Human	3, 4, 5	Social Science Elective (ex: SOSCI 9XX) (5 credits)
German Language and Culture	3	Language Elective (ex: LANG 9XX) (5 credits)
	4	Language Elective (ex: LANG 9XX) (10 credits)
	5	Language Elective (ex: LANG 9XX) (15 credits)
Government and Politics: U.S.	3, 4, 5	POLS& 202 (5 credits)
Government and Politics: Comparative	3, 4, 5	POLS& 101 (5 credits)
History: European	3, 4, 5	History Elective (ex: HIST XXX) (5 credits)
History: US History	3, 4	HIST& 146, HIST& 147, HIST& 148 (5 credits)
	5	HIST& 146, HIST& 147, HIST& 148 (10 credits)
History: World	3, 4, 5	HIST& 126, HIST& 127, or HIST& 128 (5 credits)
Italian Language & Culture	3, 4	Language Elective (ex: LANG 9XX) (5 credits)
	5	Language Elective (ex: LANG 9XX) (10 credits)
Japanese Language	3	JAPN& 121 (5 credits)
	4	JAPN& 121 and JAPN& 122 (10 credits)
	5	JAPN& 121, JAPN& 122, and JAPN& 123 (15 credits)
Latin Literature	3, 4, 5	Humanities Elective (ex: HUMAN 9XX) (5 credits)
Latin Literature & Culture	3, 4, 5	Humanities Elective (ex: HUMAN 9XX) (5 credits)
Latin: Virgil	3	Humanities Elective (ex: HUMAN 9XX) (5 credits)
	4	Humanities Elective (ex: HUMAN 9XX) (5 credits)
	5	Humanities Elective (ex: HUMAN 9XX) (10 credits)
Mathematics: Statistics	3, 4, 5	MATH& 146 (5 credits)
Music Listening/Literature	3, 4, 5	MUSC& 105 (5 credits)
Music Theory	3, 4, 5	Music Elective (ex: MUSC XXX) (5 credits)
Physics 1	3, 4, 5	PHYS& 114 (5 credits)
Physics 2	3, 4, 5	PHYS& 115 or PHYS& 116 (5 credits)
Physics B	3, 4, 5	Natural Science Elective (ex: NSCI 9XX) (5 credits)
Physics C: Mechanics	3	PHYS& 114 (5 credits)
	4, 5	PHYS& 221 (5 credits)
Physics C: Electricity and Magnetism	3	PHYS& 115 or PHYS& 116 (5 credits)
	4, 5	PHYS& 222 or PHYS& 223 (5 credits)
Pre-Calculus	3	MATH& 141 (5 credits)
	4, 5	MATH& 141 and MATH& 142 (10 credits)
Psychology	3, 4, 5	PSYC& 100 (5 credits)
Research	3, 4, 5	General Elective Credit (ex: C/T 900)
Seminar	3, 4, 5	General Elective Credit (ex: C/T 900)
Spanish Language & Culture	3	SPAN& 121 (5 credits)
	4	SPAN& 121 and SPAN& 122 (10 credits)
	5	SPAN& 121, SPAN& 122, and SPAN& 123 (15 credit)

International Baccalaureate (IB) Credit Table

International Baccalaureate (IB) Credit

Policy for Awarding IB Credit

In most cases, five term credits (or more) are granted for Higher Level subjects in which a grade of 5 or higher is earned, with a maximum of 30 quarter credits. No credit is awarded for Standard Level subject grades. A maximum of 30 credits of alternative credits (IB, CI and AP) may be used toward any degree. C/T is College Transfer and satisfies Elective credits. V/T is Vocational Technical and satisfies Restricted Elective credits.

Student Process

To have IB scores evaluated and credits transferred into Cascadia, students will need to:

- Register for the IB Program Exam(s) and request "Cascadia College – Enrollment Services" as a recipient **OR**
- Contact the IB Organization to request that official IB Transcript is sent directly to Cascadia College – Enrollment Services.
- Student requests official evaluation of IB Transcript by submitting the Transcript Evaluation Request Form.

The Academic Advisors may use the IB Transcript for placement.

International Baccalaureate (IB) Credit Table

Subject	IB Score	CC Credit/Placement Awarded
African History	4, 5, 6, 7	History Elective (ex: HIST 9XX) (5 credits)
American History	4, 5, 6, 7	HIST&146 or HIST&147 or HIST&148 (5 credits)
Language A	4	Humanities Elective (ex: HUMAN 9XX) (5 credits)
Arabic A, Chinese A, French A, Japanese A, Russian A, Spanish A	5, 6, 7	Humanities Elective (ex: HUMAN 9XX) (5 credits)
Language B	4	Humanities Elective: World Language (ex: HUMAN 9XX) (5 credits)
Arabic A, Chinese A, French A, Japanese A, Russian A, Spanish A	5, 6	Humanities Elective: World Language (ex: HUMAN 9XX) (5 credits)
	7	Humanities Elective: World Language (ex: HUMAN 9XX) (10 credits)
Art/Design	4, 5, 6, 7	Humanities Elective (ex: HUMAN 9XX) (5 credit)
Biology	4, 5, 6, 7	Biology Elective (ex: BIOL 950) (5 credits)
Business and Management	4, 5, 6, 7	Restricted Elective (ex: V/T 900) (5 credits)
Chemistry	4	CHEM& 121 (5 credits)
	5	CHEM& 121 (5 credits) or CHEM& 161 (6 credits)
	6, 7	CHEM& 121 (5 credits) or CHEM& 161 (6 credits) or CHEM& 162 (6 credits)
Computer Science	4, 5, 6, 7	IT-CS 115 (5 credits)
Dance	4, 5, 6, 7	Humanities Elective (ex: HUMAN 9XX) (5 credits)
Design Technology	4, 5, 6, 7	Engineering Elective (ex: ENGR 9XX) (5 credits)
East/Southeast Asia and Oceania History	4, 5, 6, 7	History Elective (ex: HIST 9XX) (5 credits)
Economics	4	Economics Elective (ex: ECON 9XX) (5 credits)
	5	ECON& 201 (5 credits)
	6, 7	ECON& 201 and ECON& 202 (10 credits)
English A Literature	4	Humanities Elective (ex: HUMAN 9XX) (5 credits)
	5, 6, 7	ENGL& 111 (5 credits)
English A Language & Literature	4	Humanities Elective (ex: HUMAN 9XX) (5 credits)

Subject	IB Score	CC Credit/Placement Awarded
	5, 6, 7	ENGL& 101 (5 credits)
Environmental Systems and Societies	4, 5, 6, 7	Natural Science Elective (5 credits)
European History	4, 5, 6, 7	History Elective (ex: HIST 9XX) (5 credits)
Film	4, 5, 6, 7	Humanities Elective (5 credits)
Geography	4, 5, 6, 7	Social Science Elective (ex: SOSCI 9XX) (5 credits)
Global Politics	4, 5, 6, 7	Political Science Elective (ex: POLS 9XX) (5 credits)
Information Technology in a Global Society	4, 5, 6, 7	Computer Science Elective (ex: C/T 900) (5 credits)
Marine Science (SL only)	4, 5, 6, 7	Natural Science with Lab Elective (5 credits)
Mathematics	4	College-level Math Distribution (5 credits)
	5, 6	MATH& 142 (5 credits)
	7	MATH& 151 (5 credits)
Further Mathematics	4	MATH& 142 (5 credits)
	5, 6, 7	MATH& 151 (5 credits)
Mathematics: Applications and Interpretation	SL 4-5	College-level Math Distribution (5 credits)
	SL 6-7	MATH& 107 (5 credits)
	HL 4-5	MATH& 141 (5 credits)
	HL 6-7	MATH& 142 (5 credits)
Mathematics: Analysis and Approaches	SL 4-5	MATH& 107 (5 credits)
	SL 6-7	MATH& 141 (5 credits)
	HL 4-5	MATH& 142 (5 credits)
	HL 6-7	MATH& 151 (5 credits)
Music	4, 5, 6, 7	MUSC& 105 (5 credits)
Philosophy	4, 5, 6, 7	PHIL& 101 (5 credits)
Physics	4	PHYS& 114 and PHYS& 115 (10 credits)
	5, 6, 7	PHYS& 114, PHYS& 115, and PHYS& 116 (15 credits)
Psychology	4, 5, 6, 7	PSYC& 100 (5 credits)
Social & Cultural Anthropology	4, 5, 6, 7	ANTH& 206 (5 credits)
Sports, Exercise & Health Science	4, 5, 6, 7	General Elective (ex: C/T 900) (5 credits)
Theater	4, 5, 6, 7	DRMA& 101 (5 credits)
Visual Arts	4, 5, 6, 7	ART& 100 (5 credits)
World Languages (SL only)	4, 5, 6, 7,	Social Science or Humanities Elective (ex: HUMAN 9XX) (5 credits) based on institutional placement of World Languages discipline

Cambridge International Examination (CI) Credit Table

Cambridge International Examination (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.

Cambridge International Examination Credit Table

Subject	Exam	Minimum Credit
Accounting	A Level	ACCT&201, ACCT&202, and ACCT&203 (15 credits)
Accounting	AS Level	General Electives (5 credits)
Art & Design	A Level	Humanities Distribution in Art (10 credits) and General Electives (5 credits)
Art & Design	AS Level	Humanities Distribution in Art (7.5 credits)
Biology	A Level	Natural Science Distribution in Biology, with Lab (10 credits) and General Electives (5 credits)
Biology	AS Level	Natural Science Distribution in Biology, with Lab (7.5 credits)
Business	A Level	BUS& 101 (5 credits) and Business Electives (10 credits)
Business	AS Level	BUS& 101 (5 credits) and Business Electives (2.5 credits)
Chemistry	A Level	CHEM&161, CHEM&162, and CHEM&163 (15 credits)
Chemistry	AS Level	Natural Science Distribution in Chemistry, with Lab (7.5 credits)
Chinese	A Level	World Language (10 credits) and Humanities Distribution (5 credits)
Chinese - Language	AS Level	World Language (7.5 credits)
Classical Studies	A Level	Humanities Distribution (10 credits) and General Electives (5 credits)
Classical Studies	AS Level	Humanities Distribution (7.5 credits)
Computer Science	A Level	Computer Science for non-majors (5) and General Electives (10 credits)
Computer Science	AS Level	Computer Science for non-majors (5) and General Electives (2.5 credits)
Digital Media & Design	A Level	Humanities Distribution (10 credit) and General Electives (5 credits)
Digital Media & Design	AS Level	Humanities Distribution (7.5 credit)
Drama	A Level	DRMA& 101 (5 credits), Humanities Distribution (5 credits), and General Electives (5 credits)
Drama	AS Level	DRMA& 101 (5 credits) and Humanities Distribution (2.5 credits)
Economics	A Level	ECON& 201 (5 credits), ECON& 202 (5 credits), and General Electives (5 credits)
Economics	AS Level	Social Science Distribution in Economics (7.5 credits)

Subject	Exam	Minimum Credit
English - Language	A Level	General Electives (15 credits)
English - Language	AS Level	General Electives (7.5 credits)
English - Language and Literature	AS Level	General Electives (7.5 credits)
English - Literature	A Level	Humanities Distribution (10 credits) and General Electives (5 credits)
English - Literature	AS Level	General Electives (7.5 credits)
English General Paper	AS Level	General Electives (7.5 credits)
Environmental Management	AS Level	Natural Science Distribution, with Lab (7.5 credits)
French	A Level	FRCH& 121, FRCH& 122, and FRCH& 123 (15 credits)
French - Language	AS Level	FRCH& 123 (5 credits) and Humanities Distribution (5 credits)
Geography	A Level	Social Science Distribution (10 credits) and General Electives (5 credits)
Geography	AS Level	Social Science Distribution (7.5 credits)
German	A Level	World Language (15 credits)
German - Language	AS Level	World Language (5 credits) and Humanities Distribution (5 credits)
Global Perspectives and Research	A Level	General Electives (15 credits)
Global Perspectives and Research	AS Level	General Electives (7.5 credits)
History	A Level	Humanities or Social Science Distribution in History (10 credits in one or 5 credits in each) and General Electives (5 to 10 credits)
History	AS Level	Humanities or Social Science Distribution in History (7.5 credits)
Japanese - Language	AS Level	World Language (5 credits) and Humanities Distribution (2.5 credits)
Marine Science	A Level	Natural Science Distribution, with Lab (10 credits) and General Electives (5 credits)
Marine Science	AS Level	Natural Science Distribution, with Lab (7.5 credits)
Mathematics	A Level	MATH& 151 (5 credits), MATH& 152 (5 credits), and Mathematics Electives (5 credits)
Mathematics	AS Level	Mathematics Electives (7.5 credits)
Mathematics - Further	A Level	MATH& 146 (5 credits), MATH& 163 (5 credits), and Mathematics Electives (5 credits)
Mathematics - Further	AS Level	Mathematics Electives (7.5 credits)
Media Studies	A Level	Humanities Distribution in Communication (10 credits) and General Electives (5 credits)
Media Studies	AS Level	Humanities Distribution in Communication (7.5 credits)
Music	A Level	Humanities Distribution in Music (10 credits) and General Electives (5 credits)
Music	AS Level	Humanities Distribution in Music (7.5 credits)
Physical Education	A Level	General Electives (15 credits)

Subject	Exam	Minimum Credit
Physical Education	AS Level	General Electives (7.5 credits)
Physics	A Level	PHYS& 114, PHYS& 115, and PHYS& 116 (15 credits)
Physics	AS Level	Natural Science Distribution in Physics, with Lab (7.5 credits)
Psychology	A Level	PSYC& 100 (5 credits), Social Science Distribution in Psychology (5 credits), and General Electives (5 credits)
Psychology	AS Level	Social Science Distribution in Psychology (7.5 credits)
Sociology	A Level	SOC& 101 (5 credits), Social Science Distribution in Sociology (5 credits), and General Electives (5 credits)
Sociology	AS Level	Social Science Distribution in Sociology (7.5 credits)
Spanish	A Level	SPAN& 121, SPAN& 122, and SPAN& 123 (15 credits)
Spanish - Language	AS Level	General Electives (7.5 credits)
Spanish - Literature	AS Level	Humanities Distribution (7.5 credits)
Thinking Skills	A Level	Humanities or Social Science Distribution in Philosophy (10 credits in one or 5 credits in each) and General Electives (5 to 10 credits)
Thinking Skills	AS Level	Humanities or Social Science Distribution in Philosophy (7.5 credits)

For Cambridge exams that are not listed here (Afrikaans, Arabic, Divinity, Hindi, Hinduism, Information Technology, Islamic Studies, Law, Portuguese, Tamil, Travel & Tourism, or Urdu), contact Office of Enrollment Services. Students interested in transferring to a four-year university should check the requirements of their target school to determine the best way to use CI Exam credits.

Student Rights and Responsibilities

Student Code of Conduct

Admission to Cascadia College carries with it the expectation that students will conduct themselves as responsible members of the college community. Cascadia has adopted policies governing student conduct, including disciplinary procedures and procedures for resolving conflicts related to student discipline. The student conduct system is designed to protect the rights of each individual to support the community values and to assist students in conducting themselves as responsible members of the college community (WAC 132Z115). The complete Student Code of Conduct is available on Cascadia's Policy webpage.

Student Rights and Responsibilities

Cascadia College, a state supported institution of higher education, is a learning-centered college, maintained for the purpose of providing to all learners' knowledge and skills for the achievement of their academic, professional, technical, and personal goals. As a public institution of higher education, the college also exists to provide students with the capacity for critical judgment and an independent search for truth toward both optimal individual development and the well-being of the entire learning community.

Inherent in the college's mission, vision, and goals are certain rights and freedoms which provide to students the support and respect needed for learning and personal development. Admission to Cascadia College provides these rights to students but also assumes that students accept the responsibility to conduct themselves in a manner that does not interfere with the purposes of the college in providing education for all of its learners. (WAC 132Z-112-010). These policies are available on Cascadia's Policy webpage.

Student Right to Know

In accordance with federal regulations, Cascadia College will be required to disclose completion or graduation rates and transfer-out rates for the general student body immediately following the end or 150% of normal time to complete a program. The study group, as specified by federal law, will be relatively small when compared with the general student population. It will include only students who were: enrolled in credit classes full-time, entering any college for the first time, and seeking a degree or certificate or planned to transfer to a four-year college or university. This information will be found on the Cascadia College website.

Drug-Free Schools and Campuses Act

Cascadia College complies with the reporting requirements of the Drug-Free Workplace Act of 1998, the Drug-Free Schools and Communities Act of Amendments of 1989, the Jeanne Clery Disclosure of Campus Security Policy, and Campus Crimes Statistics Act of 1998. This information will be found on the Cascadia College website. In compliance with the Drug-Free Schools and Campuses Act (EDGAR 34 CFR, Part 86), Cascadia annually distributes the following information to students and staff:

- Standards of conduct that clearly prohibit the unlawful possession, use or distribution of illicit drugs and alcohol on school property or as part of school activities.
- Cascadia's Student Code of Conduct (WAC 132Z-115-025, paragraph 2b) prohibits students from: "using, possessing, delivering, selling, or being under the influence of cannabis or the psychoactive compounds found in cannabis and intended for human consumption, regardless of form. While state law permits the recreational use of cannabis, federal law prohibits any possession or use of cannabis on college premises or in connection with college activities."
- Cascadia's Student Code of Conduct (WAC 132Z-115-025, paragraph 2c) prohibits students from: "using, possessing, delivering, selling, or being under the influence of any legend drug, including anabolic steroids, androgens, or human growth hormones as defined in chapter 69.41 RCW, or any other controlled substance under chapter 69.50 RCW, except as prescribed for a student's use by a licensed practitioner. The abuse, misuse, or unlawful sale or distribution of prescription or over-the-counter medications may also constitute a drug violation.
- Administrative procedure 6:3.110.08 prohibits employees from manufacturing, distributing, dispensing, possessing, or using a controlled substance.
- A description of the applicable legal sanctions and disciplinary actions.
- Cascadia's Student Code of Conduct (WAC 132Z-115-006 (2)) states that "the student conduct code shall apply to conduct by students and student groups that occurs: (a) on college premises; or (b) at or in connection with

college sponsored activities; or (c) to off-campus conduct that in the judgment of the college adversely affects the college community or the pursuit of its objectives." This code may also apply to other student conduct occurring off campus or in non-college electronic environments when the college deems such conduct to threaten safety or security or otherwise adversely impact the college community. Students shall be responsible for their conduct from the time of acceptance for admission or registration through the actual awarding of a degree or other certificate of completion. The college shall have authority to revoke a degree or other certificate of completion based on prohibited student conduct that is found to have occurred before the award of such degree or certificate. Student organizations affiliated with the college may also be sanctioned under this code for the conduct of their student members. Aside from any criminal proceedings, the college may impose sanctions ranging from a verbal warning to dismissal, as outlined in WAC 132Z-115-035, paragraph 4.

- Administrative procedure 6:3.110.08 outlines the sanctions for employees found to have violated provisions of the Drug-Free Schools and Campuses Act. The policy reads, "Violation of this policy will be reason for disciplinary action up to and including dismissal, or for mandatory evaluation treatment for substance abuse."
- A description of any drug or alcohol counseling, treatment, or rehabilitation/re-entry programs.
- Student Success Services maintains a referral list of agencies and individuals providing support services to students or employees struggling with drug and/or alcohol use/abuse. Such referrals can be accessed by contacting Student Advising and Success Services at 425.352.8860.
- Administrative procedure 6:3.110.08 states that "Cascadia College recognizes drug use and/or dependency to be a health, safety and security problem," and offers employees assistance through the State Employee Advisory Services and/or employee medical insurance plans.

Social Security Number

To comply with federal laws, the college is required to ask for the student's Social Security Number (SSN) or Individual Taxpayer Identification Number (ITIN). The college will use the student's SSN/ITIN to report payments made by the student that may qualify for a tax credit or a tax deduction on the annual income tax return. The college may also use this information to administer state/federal financial aid, to verify enrollment, degree and academic transcript records, and to conduct institutional research. If a student does not submit their SSN/ITIN, the student will not be denied access to the college; however, the student may be subject to an IRS penalty of $100. Pursuant to state and federal law, the college will protect the student's SSN from unauthorized use and/or disclosure. Cascadia assigns each student a unique student identification number upon application to the school.

Family Educational Rights and Privacy Act (FERPA)/Confidentiality of Records

Below is a brief summary of student rights under the Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part 99), the federal law that protects release of and access to student education records and applies to all federally funded schools. FERPA provides parents with certain rights to their children's education records. These rights transfer to the student at the age of 18 or during enrollment at a higher education institution. FERPA provides students with rights to their education records, including:

1. The right to inspect and review the student's educational record within 45 days after the College receives a request for access. Students should provide the College's Registrar in the Enrollment Services department with written request to review their record. If the records are maintained by another College official, the Enrollment Services department will refer the student to the correct College official.
2. The right to request an amendment of the student's education record if the student believes it is inaccurate or misleading. If the student feels there is an error in their record, the student should submit a written statement to the responsible College official clearly identifying the part of the record the student believes to be inaccurate or misleading and why they believe so. The responsible College official will notify the student of the decision to update their record and advise them of the appropriate steps if the student does not agree with the decision.

The right to provide written consent before the College discloses directory information from the student's educational records, except to the extent that FERPA authorizes disclosure without consent. Release of student record information is generally not done at the College without the expressed, written consent of the student. There are, however, some exceptions.

FERPA authorizations and exceptions include:

1. Directory Information:
    - Student's name
    - Major field of study

- Enrollment status
- Dates of attendance
- Participation in recognized sports
- Degree or certificate earned
- Term degree or certificate awarded
- Honors

2. Disclosure of directory information to school officials or organizations with a "legitimate educational interest." School officials or organizations have a legitimate educational interest if the official or organization needs to review an educational record in order to fulfill their professional responsibility to the College or to the student. Legitimate education interest is determined by responsible College officials and based on FERPA requirements.
3. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the College to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue SW
Washington, DC 20202-5920

Please note that the student has the right to withhold the release of directory information and any other information on a student's record. To do so, the student must complete a "Release of Information/Do Not Release Information form", which is available on the Enrollment webpage. Please note two important details for students regarding placing a "No Release" on the student record:

1. The College receives many inquiries for directory information from a variety of sources outside the institution, including friends, parents, relatives, prospective employers, the news media and honor societies. Having a "No Release" on the student record will prevent release of such information, even to those people.
2. A "No Release" applies to all elements of directory information on the student's record. Cascadia College does not apply a "No Release" differentially to the various directory information data elements.

Exceptions include court ordered subpoenas, emergency situations, compliance with the Solomon Amendment, Department of Education requests through the Patriot Act, the National Student Clearinghouse, and public records requests. ctcLink student ID numbers are provided to UW Bothell shared services, such as the campus library for UW Net ID, campus safety, counseling services, and the Activities and Recreation Center.

A copy of the Act, more details about student rights, and any College policies related to the Act are available on the Federal and State Regulations webpage on the Cascadia website.

Questions concerning FERPA should be referred to Enrollment Services at enrollment@cascadia.edu.

Questions concerning Public Records requests should be referred to publicrecords@cascadia.edu.

Solomon Amendment

Under Public Law 104-208 Cascadia College is directed by the federal government to provide the names, addresses, telephone numbers, date of birth, level of education, major and/or degrees received, and prior military experience for all our students. Students who do not want this information to be released should complete the Release of Information/Do Not Release Information form, which is available on the Enrollment webpage.

Release of Student Information

To protect student privacy, photo identification is required to view, receive copies of educational records, change student information, or enroll, drop, or withdraw from classes.

Name Changes

To change the name shown on Cascadia records, students must complete the Name Change Form which is available on the Enrollment webpage in the Forms section and present full documentation of name change to Enrollment Services. Students must present a new social security card, new driver's license or new state ID, and legal

documentation that demonstrates a link between the old name and new name such as official marriage certificate, divorce decree, other legal name change documentation granted from a court. Acceptable full documentation would be original forms of legal documentation and IDs that have the new legal name.

Students may include preferred names in their ctcLink account that will show on their class rosters, but not on the official college transcript.

Updating Student Contact Information

Students are responsible for informing the college of their current contact information including address, email address, and phone number. To update contact information students should log into their ctcLink account and update their contact information in the Profile tile. Students may not receive important communications or applicable refund checks from the College if the correct contact information is not updated. Visit the Kodiak Corner or email enrollment@cascadia.edu for assistance if needed.

Academic Blocks / Blocks on Records

Students who have been placed on academic intervention, academic suspension, incomplete Student Financial Responsibility Agreement (SFRA), or who have outstanding debts owed to the college (such as Financial Aid repayments, unpaid tuition and fees, or late or unreturned equipment rentals) will not be allowed to enroll or make class schedule changes until these have been cleared. The follow up to resolve the release of such blocks on a record may take up to five business days or more. For more information, contact Enrollment Services at enrollment@cascadia.edu.

Official Transcript and Transcript Requests

An official transcript is a copy of a student's academic record; it shows courses taken, credits earned, grades received, transfer credits accepted, and degrees or certificates earned at Cascadia College.

An "Official" transcript carries the college's seal and Registrar signature. Students may order Cascadia College official transcripts online.

An "Official" transcript for students who have attended other colleges and need the official transcript to be reviewed and credits transferred to Cascadia College must:

1. Be sent electronically via a secure service by the former college directly to Enrollment Services **OR**
2. Be mailed (in an unopened envelope which has been officially sealed by the former institution) **OR**
3. Be delivered by the student (unopened in an envelope which has been officially sealed by the former institution) to the Kodiak Corner Front Counter.

Contents Disclaimer

Cascadia College has made reasonable efforts to provide in this catalog information that is accurate. However, the college reserves the right to make changes in procedures, policies, calendars, requirements, programs, courses, and fees. When feasible, changes will be announced prior to their effective date, but the college assumes no responsibility for giving any particular notice of any such changes. Nothing contained herein shall be construed to create any offer to contract or any contractual rights.

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.

Academic Advisors
Academic advisors assist students with short-term and long-term educational planning in the areas of degree/certificate completion, the transfer process, university admissions and Student Success Services referrals.

Academic Year
The period of formal academic instruction, divided into summer, fall, winter, and spring terms. Summer term marks the beginning of a new Academic year.

Areas of Interest
Cascadia College's 7 Areas of Interest make it easier for students to find a career or program that matches a student's interests and skills with a career in order to select a pathway. Our 7 Areas of Interest are:

1. Business
2. College and Career Foundations (CCF)
3. Communication, Creative Arts and Design
4. Earth Sciences, Sustainability and Environmental Studies
5. Health & Wellness
6. Social Sciences, Human Services and Education
7. Science, Technology, Engineering, and Mathematics (STEM)

Audit
Enrollment in a class which is official; however, no grade or credit will be granted. An audit class requires full tuition payment and fees.

Bock Learning Center
The Bock Learning Center provides a space where students can work independently or in small groups, receive assistance from peer tutors in a range of subject areas, and access computer and printing resources. The Bock Learning Center is located in CC2-060.

Certificate Programs
A professional technical certificate gives you the knowledge and skills you need for a specific job. All certificate programs are designed to take less than 2 years to complete. They are coordinated with Cascadia's professional technical degrees and associate degrees to make it simple to continue your education if or when you choose.

Class Number
The four-digit or five-digit number that identifies each class and section in the term class schedule.

Co-requisite
A co-requisite is a course, or set of courses, that can or must be taken at the same time as another. Co-requisites may be approved alternatives to pre-requisites.

Course Component
Courses with labs (either science labs or performance labs, like Art or Drama) have both a lecture and a lab component listed in the class schedule. These are abbreviated LEC or LAB. When there is a lab, both components are mandatory.

Direct Transfer Agreement (DTA)
The Direct Transfer Agreement (DTA) Associate degree is awarded to students who have completed a transfer curriculum that should fulfill most lower-division general education requirements for a baccalaureate degree at 4-year institutions within Washington State. Cascadia's DTA degree is the Associate in Integrated Studies - DTA.

Drop
The official removal of a class from a student's schedule before the 10th business day of the term. Students who drop a course will not receive a grade and the course will not show up on their official transcript.

eLearning
A method of instruction which allows students to complete all or part of their coursework through the use of technology like the internet, the CANVAS and WAMAP course management systems, videos, blogs, and wikis.

Enrollment Date / Enrollment Appointment
Continuing and former Cascadia students are assigned an "enrollment date" based on the number of credits earned at Cascadia College.

Enrollment Requirement / Prerequisite
Any placement level or coursework that must be completed prior to enrolling in a class.

Equity, Diversity and Power (EDP)
The EDP requirement (10-credits total) is intended to help students begin developing skills and knowledge to successfully navigate living in an increasingly interconnected, complex, and diverse world. Students take one 150 class (5 credits) and another five-credit course with EDP designation. The 150-series (CMST 150, GS150, HIST 150, HUM150, or SOC150) requirement grounds students in the cognitive tools and background needed to critically analyze their evolving positions in society so they can pursue further study and seek out their careers more intentionally. In fulfilling the EDP requirement, students learn how local and global systems of power, privilege, and inequality are created and maintained. Additionally, students learn how individuals, communities, and societies/ cultures are impacted by these systems and explore strategies for equitable change.

Grade Point Average (GPA)
A student's GPA is the average of decimal grades given for each course attempted. The cumulative (CUM) GPA includes all coursework attempted.

Hybrid Class (section code H)
A hybrid class replaces some, but not all, face-to-face class time with web-based classroom time. Examples of hybrid classes include those that have meeting requirements for exams or courses that meet once or twice a week, while all other class interaction is online.

Incomplete
This grade may be given at upon student's request with the instructor's approval. An "I" grade may be appropriate when a student has already completed a majority of work for the course, have passing grades, are unable to finish the remaining coursework by the end of the term, but will be able to complete the coursework with no additional instruction. Additional information on the Grading System is available online.

In-Person/Web-Enhanced
These are typical classes where all course instruction takes place in-person in a classroom, but students are required to use online digital tools to access or submit class materials. Most Cascadia classes fall under this category.

Instruction Mode
Instruction mode or "modality" refers to how a student will get instruction from their professor, participate in course activities, and engage with course content during the learning experience. Different course modes like In-Person/ Web-enhanced, Online, or Hybrid offer varied ways of participating in the class. Class Instruction Modes are identified in the term schedule of classes. Note that fully online classes may be asynchronous or have scheduled meetings, and some may require up to five campus visits to pick up required materials or for required exams.

Integrated Learning (section codes include IL)
Integrated Learning courses utilize a variety of structures. These include Learning Communities (see below), as well as paired sections of courses that have assignments centered around a common theme. In some cases, you must register for both courses. In other cases, enrolling in both courses is recommended in order to enhance your learning experience, but is not required. Other integrated learning sections include community-based learning activities (CBL), course-based undergraduate research experiences (CURE), or significant interdisciplinary course content. All integrated learning courses and course combinations are designed to assist students in developing the ability to use what they learn and then take that knowledge and apply it in real-world contexts. Please refer to the catalog course descriptions and term schedule for specific information on integrated learning offerings.

Learning Community (section codes include LC)
Learning Communities (see also Integrated Learning) offer an alternative to the traditional individual course approach. These programs are based on specific themes, synthesizing knowledge and ideas across different disciplines. Learning Communities are cohorts of students enrolled in two classes in which they experience an explicitly designed common theme that links the two content areas. Students learn to understand patterns and make connections among different schools of knowledge and to integrate their studies with personal experience. A typical

Learning Community might meet two days a week for four hours daily. The course may include workshops, seminars, lectures, online assignments, field trips, group projects, and writing assignments.
Seminars play a crucial role in the learning process. Participants learn to analyze and critique arguments, cooperate in group discussion, read critically, and debate logically. Writing assignments and group projects allow students to clarify and express their ideas and make connections among many subjects. Learning Communities represent an integrated educational approach. Courses within these coordinated studies programs may apply to the AIS degree and may transfer to other colleges and universities.

Major
The subject or department in which a student takes concentrated coursework, leading to a specialty. Majors are found at bachelor degree-granting institutions.

Major-Related Pathways (MRP)
Most Major-Related Programs (MRP) help students prepare to transfer into high demand bachelor's degree programs that require specific courses in the first two years. Business, biology, engineering and nursing are a few examples. Each MRP is based on one of the statewide transfer agreements: Direct Transfer Agreement (DTA) or the Associate in Science-Transfer (AS-T) and can reduce the time it takes to complete a specific bachelor degree pathway.

Matriculation: Degree Seeking Students
The formal admission application and acceptance of a student who wishes to take courses for a college degree or certificate.

Non-Matriculated Students: Non-Degree Seeking Students
Students not seeking a degree or certificate are considered non-matriculated students.

Online Asynchronous
A fully online class with no real-time class meetings. All course content is delivered through online tools and materials. Online Asynchronous courses are not self-paced, rather students engage regularly and actively through group projects, discussions, and other activities. Fully Online Asynchronous courses have no on-campus in-person requirements.

Online Asynchronous w/ In-Person Activities
These classes are fully online with no scheduled online meetings, but there is also some kind of required on-campus activity. For example, an Online Asynchronous class may require an orientation at the beginning of the term, or in-person exams at the middle and/or end of the term. Some Online Asynchronous science classes may require students come to campus at the beginning or end of the term to pick up lab kits or other materials, however all course instruction is fully online. In-person requirements will be specified in the Class Notes section of the term schedule of classes.

Online Class (section code OL)
An eLearning class that has no on-campus or in-person class meetings; the class meets entirely online. Online courses are not self-paced, rather students engage regularly and actively through group projects, discussions, and other activities. Online classes can be fully Asynchronous, or have Scheduled real-time class meetings that are held remotely using online tools. Some online classes may have in-person on campus requirements like in-person program orientations or required exams. See also: Online Asynchronous, Online Scheduled, Online Asynchronous with In-Person Activities, and Online Scheduled with In-Person Activities.

Online Scheduled
A fully online class with some or all real-time remote class meetings. Instruction is live using online tools with scheduled class days and times.

Online Scheduled w/ In-Person Activities
These classes are fully online with regularly scheduled meetings, but there is also some kind of required on-campus activity. For example, an Online Scheduled class may require an orientation at the beginning of the term, or in-person exams at the middle and/or end of the term. Some Online Scheduled science classes may require students come to campus at the beginning or end of the term to pick up lab kits or other materials, however all course instruction is fully online. In-person requirements will be specified in the Class Notes section of the term schedule of classes.

Over-enrollment
Permission given by an instructor to enroll for a class that has reached its capacity of enrolled students.

Overload
Permission required by an academic advisor to take more than 24 credits per term.

Pathways
Cascadia College offers 71 pathways within 7 Areas of Interest to help students find a direct path toward a chosen profession.

Performance Lab
The applied skills or studio component of a Humanities course, such as Drawing or Drama. No more than 5 credits of courses designated Humanities Performance (HP) can be applied to the Humanities Distribution Requirement.

Placement
A measure of a student's skills in English, Math, or Science that is used to select where in a course sequence a student may enroll. Placement may be based on prior coursework, an assessment test, or directed self-placement.

Prerequisite / Enrollment Requirement
Any placement level or coursework that must be completed prior to enrolling in a class.

Program Maps
Each of our 71 pathways has a program map with a clear course sequence breakdown of the classes required to complete any of Cascadia's degree or certificate programs to graduate on time. Each program map also includes the most current career data and transfer information for that pathway.

Transcript
The official record of courses attempted including course titles, levels, earned credit and grades. Transcripts will document term-by-term GPA, and cumulative GPA.

Withdrawal
The official removal of a student from a class. Students who choose to Withdraw will have a "W" as their grade on their official transcript. Students have until the end of the 8th week of the term to withdraw themselves from any courses. (Withdrawal deadlines for summer and pre-fall are adjusted for short instructional period.) It is the student's responsibility to avoid receiving a 0.0 grade for a class they have stopped attending by officially withdrawing from that class.

AS-T Track 2 Engineering: Bioengineering and Chemical Engineering MRP

Degree Type
Associate in Science - Transfer Track 2 MRP

103 minimum credits

The Associate in Science-Transfer degree program is applicable to students planning to prepare for Bioengineering and Chemical Engineering majors at universities in Washington.

Students completing the AS-T, Track 2 degrees will, if admitted to the university, be admitted as juniors with all or most prerequisites for the specific engineering major completed (depending on choices made among engineering electives) and with lower division general education courses partially completed in a manner similar to the partial completion by freshmen-entry engineering students. Note that engineering programs are competitive and may require a higher GPA overall or a higher GPA in specific courses. Baccalaureate institutions will apply up to 110 quarter credits required under this agreement to the credits required in the bachelor's degree, subject to institutional policy on the transfer of lower division credits. AS-T Degree students should, however, maintain careful contact with an advisor at the potential transfer institution in regards to choice in engineering classes.

Upon successful completion of this degree a student will be able to:

- Understand patterns and make connections among different disciplines and schools of knowledge and to integrate studies with personal experience
- Learn actively and gain comprehensive understanding; to think critically, creatively, and reflectively in order to solve problems; to communicate with clarity and originality for personal growth and productive work; and to interact in diverse and complex environments and complicated, dynamic, and ambiguous situations
- Demonstrate a solid foundation for baccalaureate science studies through the completion of an appropriate range of courses in the sciences and liberal arts

Completion Requirements

The Associate in Science-Transfer Track 2 Engineering degree requires at least 103 credit hours in college level courses (numbered 100 or above), a minimum cumulative 2.0 grade point average, a minimum of 25 credits in residence at Cascadia, and completion of all of the requirements for this degree. Students must meet with an advisor to complete and submit an application for graduation.

Area of Interest
Science, Technology, Engineering and Mathematics

General Education Core Courses

Foundations for College Success

Must be completed within the first 30 credits.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
COLL 101	College Strategies	55.00	0.0	0.00	5

Communication

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 101	English Composition I	55.00	0.0	0.00	5
ENGL& 235	Technical Writing	55.00	0.0	0.00	5

Quantitative or Symbolic Reasoning

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
MATH& 151	Calculus I	55.00	0.0	0.00	5
MATH& 152	Calculus II	55.00	0.0	0.00	5
MATH& 163	Calculus 3	55.00	0.0	0.00	5
MATH 238	Differential Equations	55.00	0.0	0.00	5

Equity, Diversity, and Power Requirement

Students must complete a 150-series EDP course and at least one more additional EDP-designated course-- totaling ten (10) credits-- to meet the Equity, Diversity, and Power completion requirement. EDP courses in the 150-series ground students in the needed cognitive tools and background to critically analyze their position in our increasingly interconnected, complex, and diverse world so they can pursue further study and seek out their careers more intentionally. EDP designated courses may also apply toward Humanities, Social Science, Natural Science, or General Elective distribution requirements as indicated. See the Cascadia catalog for the complete list of EDP-designated courses.

Humanities/Social Sciences Distribution Requirement

Students must complete courses from at least two different disciplines. No more than five credits may be included from those courses designated HP as performance/skills, applied theory, or lecture/studio courses. CMST 150, GS 150, HIST 150, HUM 150, or SOC 150 may be used to fulfill 5 credits of the Humanities or Social Sciences Distribution requirement.
Only 5 credits of a world language or ASL at the 100 level may be included.
Economics is recommended to fulfill the Social Science requirement.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
H designated course		55.00	0.0	0.00	5
SS designated course		55.00	0.0	0.00	5
CMST 150, GS 150, HIST 150, HUM 150, SOC 150		55.00	0.0	0.00	5

Pre-Major Requirements

Students must complete courses from at least two different disciplines and include at least five credits of a lab course (LAB). At least 10 credits required in physical, earth and/or biological sciences. Students are required to complete the sequence courses listed below at one institution.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
CHEM& 161	General Chemistry with Lab I	44.00	44.0	0.00	6
CHEM& 162	General Chemistry With Lab II	44.00	44.0	0.00	6
CHEM& 163	General Chemistry with Lab III	44.00	44.0	0.00	6
CHEM& 241	Organic Chemistry I	44.00	0.0	0.00	4
BIOL& 211 or CHEM& 242 and CHEM 254		Variable	Variable	0.00	6-7
PHYS& 221	Engineering Physics I	44.00	22.0	0.00	5
PHYS& 222	Engineering Physics II	44.00	22.0	0.00	5
PHYS& 223	Engineering Physics III	44.00	22.0	0.00	5

Program Required Electives

Students should select courses from the list below as appropriate for intended major and intended baccalaureate institution. Consult an advisor for more information.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGR& 204	Electrical Circuit Analysis	55.00	0.0	0.00	5
ENGR& 214	Statics	55.00	0.0	0.00	5
BIOL& 211	Majors Cellular	55.00	22.0	0.00	6
BIOL& 212 or BIOL& 213		33.00	66.0	0.00	6
MATH 208	Linear Algebra	55.00	0.0	0.00	5
MATH& 264	Calculus 4	55.00	0.0	0.00	5
CHEM& 242 and CHEM 254		0.00	0.0	0.00	7
IT-CS 142 or IT-CS 143		55.00	0.0	0.00	5
	Total Credits				103-104

AS-T Track 2 Engineering: Civil and Mechanical Engineering MRP

Degree Type
Associate in Science - Transfer Track 2 MRP

107 minimum credits

This Associate in Science-Transfer degree program is applicable to students planning to prepare for various engineering majors at universities in Washington.

Students completing the AS-T, Track 2 degrees will, if admitted to the university, be admitted as juniors with all or most prerequisites for the specific engineering major completed (depending on choices made among engineering electives) and with lower division general education courses partially completed in a manner similar to the partial completion by freshmen-entry engineering students. Note that engineering programs are competitive and may require a higher GPA overall or a higher GPA in specific courses. Baccalaureate institutions will apply up to 110 quarter credits required under this agreement to the credits required in the bachelor's degree, subject to institutional policy on the transfer of lower division credits. AS-T Degree students should, however, maintain careful contact with an advisor at the potential transfer institution in regards to choice in engineering classes.

Upon successful completion of this degree a student will be able to:

- Understand patterns and make connections among different disciplines and schools of knowledge and to integrate studies with personal experience
- Learn actively and gain comprehensive understanding; to think critically, creatively, and reflectively in order to solve problems; to communicate with clarity and originality for personal growth and productive work; and to interact in diverse and complex environments and complicated, dynamic, and ambiguous situations
- Demonstrate a solid foundation for baccalaureate science studies through the completion of an appropriate range of courses in the sciences and liberal arts

Completion Requirements

The Associate in Science-Transfer Track 2 Engineering degree requires at least 90 credit hours in college level courses (numbered 100 or above), a minimum cumulative 2.0 grade point average, a minimum of 25 credits in residence at Cascadia, and completion of all of the requirements for this degree. Students must meet with an advisor to complete and submit an application for graduation.

Area of Interest
Science, Technology, Engineering and Mathematics

General Education Core Courses

Foundations for College Success

Must be completed within the first 30 credits.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
COLL 101	College Strategies	55.00	0.0	0.00	5

Communication

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 101	English Composition I	55.00	0.0	0.00	5
ENGL& 235	Technical Writing	55.00	0.0	0.00	5

Quantitative or Symbolic Reasoning

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
MATH& 151	Calculus I	55.00	0.0	0.00	5
MATH& 152	Calculus II	55.00	0.0	0.00	5
MATH& 163	Calculus 3	55.00	0.0	0.00	5
MATH 208	Linear Algebra	55.00	0.0	0.00	5
MATH 238	Differential Equations	55.00	0.0	0.00	5

Equity, Diversity, and Power Requirement

Students must complete a 150-series EDP course and at least one more additional EDP-designated course-- totaling ten (10) credits-- to meet the Equity, Diversity, and Power completion requirement. EDP courses in the 150-series ground students in the needed cognitive tools and background to critically analyze their position in our increasingly interconnected, complex, and diverse world so they can pursue further study and seek out their careers more intentionally. EDP designated courses may also apply toward Humanities, Social Science, Natural Science, or General Elective distribution requirements as indicated. See the Cascadia catalog for the complete list of EDP-designated courses.

Humanities/Social Sciences Distribution Requirement

Students must complete courses from at least two different disciplines. No more than five credits may be included from those courses designated HP as performance/skills, applied theory, or lecture/studio courses. Only 5 credits of a world language or ASL at the 100 level may be included. Economics is recommended. CMST 150, GS 150, HIST 150, HUM 150, or SOC 150 may be used to fulfill 5 credits of the Humanities or Social Sciences Distribution requirement.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
H designated course		55.00	0.0	0.00	5
SS designated course		55.00	0.0	0.00	5
CMST 150, GS 150, HIST 150, HUM 150, SOC 150		55.00	0.0	0.00	5

Pre-Major Requirements

Students must complete courses from at least two different disciplines and include at least five credits of a lab course (LAB). At least 10 credits are required in physical and earth science. Students are required to complete the sequence courses listed below at one institution.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
CHEM& 161	General Chemistry with Lab I	44.00	44.0	0.00	6
CHEM& 162	General Chemistry With Lab II	44.00	44.0	0.00	6
ENGR& 214	Statics	55.00	0.0	0.00	5
ENGR& 215	Dynamics	55.00	0.0	0.00	5
ENGR& 225	Mechanics of Materials	55.00	0.0	0.00	5
PHYS& 221	Engineering Physics I	44.00	22.0	0.00	5
PHYS& 222	Engineering Physics II	44.00	22.0	0.00	5
PHYS& 223	Engineering Physics III	44.00	22.0	0.00	5

Program Required Electives

Students should select two courses from the list below as appropriate for intended major and intended baccalaureate institution. Consult an advisor for more information.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGR& 204	Electrical Circuit Analysis	55.00	0.0	0.00	5
ENGR 120	Introduction to Computer Aided Design	44.00	22.0	0.00	5
ENGR& 240	Engineering Computations	44.00	22.0	0.00	5
IT-CS 142 or IT-CS 143		55.00	0.0	0.00	5
MATH& 264	Calculus 4	55.00	0.0	0.00	5
	Total Credits				107

AS-T Track 2 Engineering: Computer and Electrical Engineering MRP

Degree Type
Associate in Science - Transfer Track 2 MRP

101 minimum credits

This Associate in Science-Transfer degree program is applicable to students planning to prepare for Computer and Electrical Engineering majors at universities in Washington.

Students completing the AS-T, Track 2 degrees will, if admitted to the university, be admitted as juniors with all or most prerequisites for the specific engineering major completed (depending on choices made among engineering electives) and with lower division general education courses partially completed in a manner similar to the partial completion by freshmen-entry engineering students. Note that engineering programs are competitive and may require a higher GPA overall or a higher GPA in specific courses. Baccalaureate institutions will apply up to 110 quarter credits required under this agreement to the credits required in the bachelor's degree, subject to institutional policy on the transfer of lower division credits. AS-T Degree students should, however, maintain careful contact with an advisor at the potential transfer institution in regards to choice in engineering classes.

Upon successful completion of this degree a student will be able to:

- Understand patterns and make connections among different disciplines and schools of knowledge and to integrate studies with personal experience
- Learn actively and gain comprehensive understanding; to think critically, creatively, and reflectively in order to solve problems; to communicate with clarity and originality for personal growth and productive work; and to interact in diverse and complex environments and complicated, dynamic, and ambiguous situations
- Demonstrate a solid foundation for baccalaureate science studies through the completion of an appropriate range of courses in the sciences and liberal arts

Completion Requirements

The Associate in Science-Transfer Track 2 Engineering degree requires at least 101 credit hours in college level courses (numbered 100 or above), a minimum cumulative 2.0 grade point average, a minimum of 25 credits in residence at Cascadia, and completion of all of the requirements for this degree. Students must meet with an advisor to complete and submit an application for graduation.

Area of Interest
Science, Technology, Engineering and Mathematics

General Education Core Courses

Foundations for College Success

Must be completed within the first 30 credits.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
COLL 101	College Strategies	55.00	0.0	0.00	5

Communication

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 101	English Composition I	55.00	0.0	0.00	5
ENGL& 235	Technical Writing	55.00	0.0	0.00	5

Quantitative or Symbolic Reasoning

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
MATH& 151	Calculus I	55.00	0.0	0.00	5
MATH& 152	Calculus II	55.00	0.0	0.00	5
MATH& 163	Calculus 3	55.00	0.0	0.00	5
MATH 208	Linear Algebra	55.00	0.0	0.00	5
MATH 238	Differential Equations	55.00	0.0	0.00	5

Equity, Diversity, and Power Requirement

Students must complete a 150-series EDP course and at least one more additional EDP-designated course-- totaling ten (10) credits-- to meet the Equity, Diversity, and Power completion requirement. EDP courses in the 150-series ground students in the needed cognitive tools and background to critically analyze their position in our increasingly interconnected, complex, and diverse world so they can pursue further study and seek out their careers more intentionally. EDP designated courses may also apply toward Humanities, Social Science, Natural Science, or General Elective distribution requirements as indicated. See the Cascadia catalog for the complete list of EDP-designated courses.

Humanities/Social Sciences Distribution Requirement

Students must complete courses from at least two different disciplines. No more than five credits may be included from those courses designated HP as performance/skills, applied theory, or lecture/studio courses. Only 5 credits of a world language or ASL at the 100 level may be included. Economics is recommended. CMST 150, GS 150, HIST 150, HUM 150, or SOC 150 may be used to fulfill 5 credits of the Humanities or Social Sciences Distribution requirement.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
H designated course		55.00	0.0	0.00	5
SS designated course		55.00	0.0	0.00	5
CMST 150, GS 150, HIST 150, HUM 150, SOC 150		55.00	0.0	0.00	5

Pre-Major Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
CHEM& 161	General Chemistry with Lab I	44.00	44.0	0.00	6
ENGR& 204	Electrical Circuit Analysis	55.00	0.0	0.00	5
IT-CS 142 or IT-CS 143		55.00	0.0	0.00	5
PHYS& 221	Engineering Physics I	44.00	22.0	0.00	5
PHYS& 222	Engineering Physics II	44.00	22.0	0.00	5
PHYS& 223	Engineering Physics III	44.00	22.0	0.00	5

Program Required Electives

Students should select from the list of courses below as appropriate for the intended major and baccalaureate institution. Students should consult an advisor for more information.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
BIOL& 211	Majors Cellular	55.00	22.0	0.00	6
IT-CS 143 or IT-CS 265		55.00	0.0	0.00	5
CHEM& 162	General Chemistry With Lab II	44.00	44.0	0.00	6

ENGR& 214	Statics	55.00	0.0	0.00	5
ENGR& 215	Dynamics	55.00	0.0	0.00	5
ENGR& 240	Engineering Computations	44.00	22.0	0.00	5
MATH& 264	Calculus 4	55.00	0.0	0.00	5
	Total Credits				101-103

Associate in Applied Science: Application Development

Degree Type
Associate in Applied Science - Transfer

90 credits

The Associate in Applied Science-Transfer (AAS-T) degree prepares students for both the workplace and to transfer into the Application Development Bachelor of Applied Science (BAS-IT) Degree program. Application developers design, create, and test new applications, beginning by analyzing client or project requirements. During development they act as skilled problem solvers and clear communicators. Application developers work in cross-functional teams; design and create user interfaces; write client and server code conforming to industry standards; utilize development tools, frameworks, cloud services, and databases; and clearly document their work.

Upon successful completion of this degree a student will be able to:

- Apply critical thinking and logical reasoning to design and technical problems in application development generally
- Communicate effectively as an application development professional, interacting with clients and collaborating within development teams.
- Develop solid visual and logical design skills, paying close attention to detail, current standards, application usability, and security
- Design, produce, and test applications to be visually appealing and function effectively to meet users' needs
- Assess, select and apply application frameworks and development methodologies appropriate to the particular project scope

Completion Requirements

The Application Development AAS-T degree requires 90 credits in college level courses (numbered 100 or above), a minimum cumulative 2.0 grade point average, a minimum of 25 credits from Cascadia, and completion of all of the requirements for this degree. Students must complete and submit an application for graduation to Enrollment Services for review and approval before the degree is granted.

Area of Interest
Science, Technology, Engineering and Mathematics

General Education Core Courses

Communication

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 101	English Composition I	55.00	0.0	0.00	5

Quantitative or Symbolic Reasoning

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
MATH& 141 or MATH& 146		55.00	0.0	0.00	5

Humanities/Social Science Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
HUM 107	Introduction to Human-Centered Design	55.00	0.0	0.00	5
CMST 105	Professional Communication	55.00	0.0	0.00	5
ANTH, ECON, GS, HIST, POLS, PSYC		55.00	0.0	0.00	5

Program Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-CS 101	Introduction to Computer Science	55.00	0.0	0.00	5
IT-WEB 112	Basics of Web Authoring	55.00	0.0	0.00	5
IT-WEB 113	User Interface Development	55.00	0.0	0.00	5
IT-CS 115	Introduction to Programming	55.00	0.0	0.00	5
IT-CS 116	Scripting	55.00	0.0	0.00	5
IT-CS 142	Intermediate Programming	55.00	0.0	0.00	5
IT-CS 143	Programming Data Structures	55.00	0.0	0.00	5
IT-CS 243	Software Development Tools	33.00	0.0	0.00	3
IT-CS 265	Structures and Algorithms	55.00	0.0	0.00	5
IT 275	Database Design	55.00	0.0	0.00	5
IT-WEB 285	Web Applications I	55.00	0.0	0.00	5
IT-WEB 286	Web Applications II	55.00	0.0	0.00	5
IT-CS 295	Computer Science Career Seminar	22.00	0.0	0.00	2

Work-Based Learning

Students should choose a combination of the following variable credit courses to meet the minimum number of 90 credits.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT 197 or IT 297		0.00	0.0	Variable	5
	Total Credits				90

Associate in Applied Science: Emergency Management

Degree Type
Associate in Applied Science - Transfer

93 credits

The Emergency Management (EM) degree program is designed to prepare the next generation of emergency management practitioners. The degree prepares you to work in emergency planning and training programs, coordinate disaster response and recovery efforts, and navigate the administrative and technical demands of disaster and emergency management efforts. The degree provides a solid foundation to begin an entry level career in emergency management in the public, private, or non-profit sectors, or to move on to a Bachelor's degree program. Graduates of the emergency management certificate will be able to apply those certificates to this degree.

Upon successful completion of this degree a student will be able to:

- Use modern workplace technology to complete individual and group projects, demonstrating leadership and followership skills
- Apply planning methodologies that incorporate risk analysis, research skills, stakeholder engagement, and professional communications
- Demonstrate professional ethics, including the values of integrity, respect, and cultural awareness
- Describe the technical application of emergency management program functions
- Describe how social determinants affect people's experiences regarding program equity, diversity, and inclusion in disaster preparedness and the mission areas of response, recovery, mitigation, prevention, and protection

Completion Requirements

The Emergency Management (EM) Associate Degree is a professional technical degree that requires at least 93 credit hours in college level courses (numbered 100 or above), a minimum cumulative 2.0 grade point average, a minimum of 25 credits from Cascadia, and completion of all of the requirements for this degree. Students must meet with an advisor to complete and submit an application for graduation.

Area of Interest
Social Sciences, Human Services and Education

General Education Core Courses

Communication

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 101	English Composition I	55.00	0.0	0.00	5
ENGL& 235	Technical Writing	55.00	0.0	0.00	5

Quantitative or Symbolic Reasoning

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
MATH& 146	Introduction to Statistics	55.00	0.0	0.00	5

Humanities Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
CMST 150	Multicultural Communication	55.00	0.0	0.00	5
CMST 105, CMST& 102, or CMST& 210		55.00	0.0	0.00	5

Social Sciences Distribution Requirement

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
PSYC& 100 or SOC& 101		55.00	0.0	0.00	5
HIST& 148, POLS& 202, or POLS 206		55.00	0.0	0.00	5

Natural Sciences Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ATMS 101, ENVS& 101, GEOL& 101, GEOG 120, or GEOG& 250		Variable	Variable	0.00	10

Program Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
EM 102	Introduction to Emergency Management	55.00	0.0	0.00	5
EM 110	Basic Incident Command Systems	22.00	0.0	0.00	2
EM 120	All Hazards Emergency Planning	33.00	0.0	0.00	3
EM 130	Technology and Emergency Management	33.00	0.0	0.00	3
EM 157	Public Information	22.00	0.0	0.00	2
EM 160	Emergency Response and Awareness to Terrorism	55.00	0.0	0.00	5
EM 180	Public Administration	33.00	0.0	0.00	3
EM 198	Emergency Management Special Topics	33.00	0.0	0.00	3
EM 200	Emergency Operations Center	22.00	0.0	0.00	2
EM 210	Exercise Design and Evaluation	33.00	0.0	0.00	3
EM 220	Developing and Managing Volunteer Resources	22.00	0.0	0.00	2
EM 230	Disaster Recovery	22.00	0.0	0.00	2
EM 240	Work-Based Learning Experience	44.00	0.0	0.00	4
EM 250	Homeland Security Law and Policy	44.00	0.0	0.00	4

Program Elective Credits

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ANTH& 206, ANTH& 205, CMST& 220, PHIL 102, POLS& 200, SOC 150, or SOC 271		55.00	0.0	0.00	5
	Total Credits				93

Associate in Applied Science: IT Infrastructure Operations

Degree Type
Associate in Applied Science - Transfer

90 credits

The Associate in Applied Science (AAS) degree in IT Infrastructure Operations is a comprehensive program designed to equip students with a diverse skill set necessary for managing and optimizing IT infrastructures in modern organizations. Students will learn how to design network architectures and implement IT service technologies to build data infrastructures.

This degree program encompasses a wide range of critical topics in the field, including:

- Computer Hardware: Gain skills in hardware components and troubleshooting methodologies.
- Desktop Support: Develop expertise in providing technical support to end-users.
- Networking: Obtain the principles of network design, implementation, and management.
- Cybersecurity: Identify security risks, implement security measures, and safeguard critical data.
- Server Administration: Acquire skills in deploying, configuring, and managing server environments.
- Windows and Linux Environments: Gain proficiency in both Windows and Linux operating systems.
- Cloud Computing: Understand the principles of cloud architecture, deployment, and management.
- Virtualization: Implement virtualization technologies to enhance overall IT infrastructure efficiency.
- Systems Management: Acquire systems monitoring, performance optimization, and maintenance.
- Web Development: Familiarize yourself with web development technologies and practices.
- Database Management: Acquire skills in database design, implementation, and management.
- Programming: Gain fundamental elements of computer programming.

Completion Requirements

The IT Infrastructure Operations AAS-T Degree is a professional technical degree that requires at least 90 credit hours in college level courses (numbered 100 or above), a minimum cumulative 2.0 grade point average, a minimum of 25 credits from Cascadia, and completion of all the requirements for this degree. Students must meet with an advisor to complete and submit an application for graduation

Area of Interest
Science, Technology, Engineering and Mathematics

General Education Core Courses

Communication

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 101	English Composition I	55.00	0.0	0.00	5

Quantitative or Symbolic Reasoning

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
MATH& 107 or MATH& 141 or MATH 147 or MATH&151 or PHIL& 120		55.00	0.0	0.00	5

Humanities/Social Science Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
CMST 105	Professional Communication	55.00	0.0	0.00	5
BUS& 101 or PSYC 251		55.00	0.0	0.00	5

Program Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-OPS 101	Desktop Support Technician	44.00	22.0	0.00	5
IT-OPS 102	Networking Fundamentals	44.00	22.0	0.00	5
IT-CS 115	Introduction to Programming	55.00	0.0	0.00	5
IT-OPS 125	Cloud Foundations	44.00	22.0	0.00	5
IT-OPS 130	Server Administration	44.00	22.0	0.00	5
IT-OPS 135	Advanced Network Infrastructure	44.00	22.0	0.00	5
IT-OPS 140	Advanced Server Administration	44.00	22.0	0.00	5
IT-OPS 145	Security Essentials	44.00	22.0	0.00	5
IT-OPS 170	Linux Administration	44.00	22.0	0.00	5
IT-OPS 205	Virtualization Technologies	44.00	22.0	0.00	5
IT-OPS 225	Cloud Architecting	44.00	22.0	0.00	5
IT-OPS 258	IT Infrastructure Operations	44.00	22.0	0.00	5
IT 275	Database Design	55.00	0.0	0.00	5

Work-Based Learning

Students should choose a combination of the following variable credit courses for a total of five credits.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT 197 or IT 297		0.00	0.0	Variable	5
	Total Credits				90

Associate in Applied Science: Office Supervision and Management

Degree Type
Associate in Applied Science - Transfer

90 credits

The Associate in Applied Science-Transfer (AAS-T) degree in Office Supervision and Management emphasizes advanced office technology, administration, business, and management courses for the person who wants to move into a supervisory, managerial, or executive assistant position. Employment opportunities for graduates may include administrative assistant, executive assistant, executive secretary, office manager, and administrative supervisor.

Upon successful completion of this degree a student will be able to:

- Use appropriate technology and technical skills to manage information and solve problems
- List professional values and exhibit professional behavior in a work environment.
- Demonstrate the ability to research employment opportunities, prepare an effective employment package, and present oneself positively in a job interview.
- Develop professional and academic skills and strategies for career and college success.

Area of Interest
Business

General Education Core Courses

Communication:

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 101	English Composition I	55.00	0.0	0.00	5

Quantitative or Symbolic Reasoning:

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
MATH& 107, MATH& 141, MATH& 142, MATH& 146, MATH& 148, OR MATH& 151		55.00	0.0	0.00	5

Note: With advisor permission, 100 and 200 level courses designated with an "&" in the course catalog may be substituted for distribution class requirements.

Humanities Requirement

Students will select one course from the list below for a total of 5.0 credits. Students should check with an advisor for specific transfer university and business school requirements.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ART& 100	Art Appreciation	55.00	0.0	0.00	5
CMST& 210	Interpersonal Communication	55.00	0.0	0.00	5
CMST& 220	Public Speaking	55.00	0.0	0.00	5
ENGL& 111	Introduction to Literature	55.00	0.0	0.00	5
PHIL& 101	Introduction to Philosophy	55.00	0.0	0.00	5

Social Sciences Requirements

Students will select one course from the list below for a total of 5.0 credits. Students should check with an advisor for specific transfer university and business school requirements.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
POLS& 202	United States Government	55.00	0.0	0.00	5
ECON& 201	Microeconomics	55.00	0.0	0.00	5
ECON& 202	Macroeconomics	55.00	0.0	0.00	5
HIST& 146	United States History I	55.00	0.0	0.00	5
SOC& 101	Introduction to Sociology	55.00	0.0	0.00	5

Natural Sciences Requirements

Students will select one course from the list below for a total of 5.0 credits. Students should check with an advisor for specific transfer university and business school requirements.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
BIOL 120	Survey of the Kingdoms	44.00	22.0	0.00	5
CHEM& 121	Introduction to Chemistry	44.00	22.0	0.00	5
ENVS& 101	Introduction to Environmental Science	44.00	22.0	0.00	5
GEOL& 101	Introduction to Physical Geology	44.00	22.0	0.00	5
NUTR& 101	Nutrition	55.00	0.0	0.00	5

Program Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ACCT any 100 or 200 level		0.00	55.0	0.00	5
BSTEC 109	Word Processing (MS Word)	55.00	0.0	0.00	5
BSTEC 110	Business Communications	55.00	0.0	0.00	5
BSTEC 130	Computer Fundamentals	55.00	0.0	0.00	5
BSTEC 210	Microsoft Outlook	22.00	0.0	0.00	2
BSTEC 213	Advanced Word Projects	55.00	0.0	0.00	5
BSTEC 222	Database (Microsoft Access)	55.00	0.0	0.00	5
BSTEC 224	Spreadsheet (Microsoft Excel)	55.00	0.0	0.00	5
BSTEC 225	Advanced Excel Projects	55.00	0.0	0.00	5
BSTEC 243	Advanced Microsoft Office Projects	55.00	0.0	0.00	5
BSTEC 260	Supervision and Management	55.00	0.0	0.00	5
BSTEC 294	Career Management	33.00	0.0	0.00	3
BUS& 101	Introduction to Business	55.00	0.0	0.00	5
BUS& 201	Business Law	55.00	0.0	0.00	5
	Total Credits				90

Associate in Applied Science: Water Resource Management

Degree Type
Associate in Applied Science - Transfer

90 minimum credits

Cascadia College's Water Resource Management Associate of Applied Science-Transfer (AAS-T) degree integrates technology and natural sciences with an emphasis on water quality as it relates to soil and water systems, geographic information systems (GIS), water policy, regulations and permitting practices. The program will prepare students for work as water resource specialists, soil technicians, and environmental permit specialists within city, county and federal agencies, private sector employers and non-profits.
The program includes outdoor learning and applied research within the campus wetlands in addition to lab science, class seminars, and work-based learning.

Upon successful completion of this degree a student will be able to:

- Perform water and soil quality testing and collect samples.
- Conduct field and technical research using industry data collection standards.
- Compile, analyze, and present geospatial data while emphasizing the value of visual communication (GIS).
- Install, retrieve, and remove data collection devices and equipment.
- Interpret and apply local, state, and federal policies, codes, laws, and regulations, knowledge of environmental permitting process.
- Use data to make hydrologic interpretations about the susceptibility to runoff, flooding, and water contamination, understand Best Management Practices for mitigation.
- Write technical reports and give presentations.
- Demonstrate interpersonal communication skills and professional behavior

Area of Interest
Earth Sciences, Sustainability and Environmental Studies

General Education Core Courses

Communication:

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 101	English Composition I	55.00	0.0	0.00	5
ENGL& 235	Technical Writing	55.00	0.0	0.00	5

Quantitative or Symbolic Reasoning:

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
MATH& 141	Precalculus I	55.00	0.0	0.00	5

Humanities/Social Sciences Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
CMST& 210 or CMST& 220		0.00	0.0	0.00	5
PHIL 243	Environmental Ethics and Sustainability	55.00	0.0	0.00	5
POLS 206	State and Local Government	55.00	0.0	0.00	5

Natural Sciences Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
CHEM& 161	General Chemistry with Lab I	44.00	44.0	0.00	6
GEOL& 101	Introduction to Physical Geology	44.00	22.0	0.00	5
ENVS& 101	Introduction to Environmental Science	44.00	22.0	0.00	5
ENVS 220	Wetland Ecology	33.00	44.0	0.00	5
MATH& 146	Introduction to Statistics	55.00	0.0	0.00	5

Program Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
GIS 101	Intro to Geographic Info Systems	55.00	0.0	0.00	5
GIS 102	Geographic Info Systems II	55.00	0.0	0.00	5
WATER 110	Introduction to Water Science, Resources, and Issues	55.00	0.0	0.00	5
WATER 210	Water Policy and Regulation	55.00	0.0	0.00	5
WATER 220	Water Quality Analysis	22.00	66.0	0.00	5
WATER 250	Soils and Hydrology	44.00	44.0	0.00	6
WATER 290	Career Pathways: Water Resource Mgmt	11.00	0.0	0.00	1

Work-Based Learning

Students should choose a combination of the following variable credit courses to meet the minimum number of 90 credits.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
WATER 197 or WATER 297		0.00	0.0	Variable	2-5
	Total Credits				90

Associate in Arts Academic Transfer DTA (Integrated Studies)

Degree Type
Associate in Integrated Studies

90 credits

The AIS degree prepares students to transfer to four-year college and universities with junior standing, having fulfilled all or most general education requirements. This 90-credit degree is most often an appropriate goal for students who intend to transfer to four-year colleges and universities. The Associate in Integrated Studies degree is also the degree of choice for students who intend to transfer, but who are undecided about which baccalaureate institution they will attend. It is considered a Direct Transfer Agreement (DTA) because the AIS degree is designed to satisfy most (if not all) of the general education requirements of most public colleges and universities in Washington State.

By virtue of this agreement, students will generally transfer with junior standing and fulfill all or most general education requirements. It is not necessary to complete a degree at Cascadia to be eligible to transfer to a baccalaureate-granting college or university, but most baccalaureate-granting colleges and universities or programs within those colleges and universities give admission preference to transfer students who have completed the two-year transfer degree. Students are encouraged to meet with an advisor about appropriate course options for each of the distribution areas below to meet the requirements of their intended transfer institution.

Upon successful completion of this degree a student will be able to:

- Understand patterns and make connections among different disciplines and between different analytical and methodological frameworks and to integrate studies with personal experiences, local, and global communities
- Learn actively and gain comprehensive understanding; to think critically, creatively, and reflectively in order to solve problems; to communicate with clarity and originality for personal growth and productive work; and to interact in diverse and complex environments and complicated, dynamic, and ambiguous situations
- Access, process, construct, and express knowledge across cultures; to take responsibility for encountering and mastering new knowledge

Completion Requirements

Associate in Integrated Studies degree (AIS) is a direct transfer degree that requires at least 90 credit hours in college level courses (numbered 100 or above), a minimum cumulative 2.0 grade point average, a minimum of 25 credits in residence at Cascadia, and completion of all of the requirements for this degree. Students must meet with an advisor to complete and submit an application for graduation.

Area of Interest
Business,
Communication, Creative Arts and Design,
Health and Wellness,
Earth Sciences, Sustainability and Environmental Studies,
Social Sciences, Human Services and Education

General Education Core Courses

Foundations for College Success

Must be completed within the first 30 credits.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
COLL 101	College Strategies	55.00	0.0	0.00	5

Communication

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 101	English Composition I	55.00	0.0	0.00	5
ENGL& 102	Composition II	55.00	0.0	0.00	5

Quantitative or Symbolic Reasoning

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
100-level MATH or above, or PHIL& 120		55.00	0.0	0.00	5

Equity, Diversity, and Power Requirement

Students must complete a 150-series EDP course and at least one more additional EDP-designated course-- totaling ten (10) credits-- to meet the Equity, Diversity, and Power completion requirement. EDP courses in the 150-series ground students in the needed cognitive tools and background to critically analyze their position in our increasingly interconnected, complex, and diverse world so they can pursue further study and seek out their careers more intentionally. EDP designated courses may also apply toward Humanities, Social Science, Natural Science, or General Elective distribution requirements as indicated. See the Cascadia catalog for the complete list of EDP-designated courses.

Integrated Learning Requirement

Students must include an Integrated Learning Experience in their course selections. This requirement can be satisfied through the completion of learning communities, linked classes, classes containing formal community-based learning, classes taken as part of an academic study abroad program, or classes with an academic internship. Through learning communities (LC) or other Integrated Learning Experiences (IL), students demonstrate their ability to integrate skills, concepts, information, and analytical and methodological frameworks from two or more areas of inquiry in a purposeful project or experience.

Humanities Distribution Requirement

Students must complete courses from at least two different disciplines. No more than five credits may be included from those courses designated HP as performance/skills, applied theory, or lecture/studio courses. Only 5 credits of a world language or ASL at the 100 level may be included. CMST 150, GS 150, HIST 150, or HUM 150 may be used to fulfill 5 credits of the Humanities Distribution requirement.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
H designated course		55.00	0.0	0.00	5
H designated course		55.00	0.0	0.00	5
H designated course		55.00	0.0	0.00	5

Social Sciences Distribution Requirement

Students must complete courses from at least two different disciplines. GS 150, HIST 150, or SOC 150 may be used to fulfill 5 credits of the Social Sciences Distribution requirement.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
SS designated course		55.00	0.0	0.00	5
SS designated course		55.00	0.0	0.00	5
SS designated course		55.00	0.0	0.00	5

Natural Sciences Distribution Requirement

Students must complete courses from at least two different disciplines and include at least five credits of a lab course (LAB). 10 credits required in physical, earth, and/or biological sciences.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
NS designated course		Variable	Variable	0.00	5
Choose two NS designated courses. One must be a lab.		Variable	Variable	0.00	10

Program Required Elective Credits

Students must complete sufficient elective credits in college level courses (numbered 100 or above) to bring the total credits for the AIS degree to 90. These credits may be selected from any combination of the distribution course lists. No more than 10 credits may be included from Restricted Electives List.

Total Credits	90

Associate in Biology DTA/MRP

Degree Type
Associate in Biology

91 minimum credits

The Associate in Biology degree is a direct transfer agreement for students planning to transfer to four-year colleges and universities in the area of biology. Students who complete an Associate in Biology DTA degree will have satisfied the lower division general education (or core) requirements and lower division science requirements at the baccalaureate institutions, subject to the provisos listed in the Intercollege Relations Commission Handbook.

Upon successful completion of this degree a student will be able to:

- Understand patterns and make connections among different disciplines and schools of knowledge and to integrate studies with personal experience
- Learn actively and gain comprehensive understanding; to think critically, creatively, and reflectively in order to solve problems; to communicate with clarity and originality for personal growth and productive work; and to interact in diverse and complex environments and complicated, dynamic, and ambiguous situations

University admission requirements vary—consult with an advisor for specific information. Admission to Washington public baccalaureate institutions is not guaranteed. It is strongly recommended that students contact the baccalaureate-granting institution early in their program to be advised about additional requirements (e.g., GPA) and procedures for admission. Students are encouraged to meet with an advisor about appropriate course options for each of the distribution areas below to meet the requirements of their intended transfer institution. Please note that admission for many schools is competitive, and high grade- point averages and course grades are often required. Please check with your destination school and college. Consult with an academic advisor to develop an educational plan.

Completion Requirements

The Associate in Biology DTA/MRP is a direct transfer degree that requires at least 90 credit hours in college level courses (numbered 100 or above), a minimum cumulative 2.0 grade point average, a minimum of 25 credits in residence at Cascadia, and completion of all of the requirements for this degree. Students must meet with an advisor to complete and submit an application for graduation.

Area of Interest
Health and Wellness,
Science, Technology, Engineering and Mathematics

General Education Core Courses

Foundations for College Success

Must be completed within the first 30 credits.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
COLL 101	College Strategies	55.00	0.0	0.00	5

Communication

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 101	English Composition I	55.00	0.0	0.00	5
ENGL& 102	Composition II	55.00	0.0	0.00	5

Quantitative or Symbolic Reasoning

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
MATH& 151	Calculus I	55.00	0.0	0.00	5

Equity, Diversity, and Power Requirement

Students must complete a 150-series EDP course and at least one more additional EDP-designated course-- totaling ten (10) credits-- to meet the Equity, Diversity, and Power completion requirement. EDP courses in the 150-series ground students in the needed cognitive tools and background to critically analyze their position in our increasingly interconnected, complex, and diverse world so they can pursue further study and seek out their careers more intentionally. EDP designated courses may also apply toward Humanities, Social Science, Natural Science, or General Elective distribution requirements as indicated. See the Cascadia catalog for the complete list of EDP-designated courses.

Humanities Distribution Requirement

Students must complete courses from at least two different disciplines. No more than five credits may be included from those courses designated HP as performance/skills, applied theory, or lecture/studio courses. Only one course of a world language or ASL at the 100 level may be included. CMST 150, GS 150, HIST 150, or HUM 150 may be used to fulfill 5 credits of the Humanities Distribution requirement.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
H designated course		55.00	0.0	0.00	5
H designated course		55.00	0.0	0.00	5
H designated course		55.00	0.0	0.00	5

Social Sciences Distribution Requirement

Students must complete courses from at least two different disciplines. GS 150, HIST 150, or SOC 150 may be used to fulfill 5 credits of the Social Sciences Distribution requirement.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
SS designated course		55.00	0.0	0.00	5
SS designated course		55.00	0.0	0.00	5
SS designated course		55.00	0.0	0.00	5

Natural Sciences Distribution Requirement

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
BIOL& 211	Majors Cellular	55.00	22.0	0.00	6
BIOL& 212	Majors Animal	33.00	66.0	0.00	6
BIOL& 213	Majors Plant	33.00	66.0	0.00	6
CHEM& 161	General Chemistry with Lab I	44.00	44.0	0.00	6
CHEM& 162	General Chemistry With Lab II	44.00	44.0	0.00	6
CHEM& 163	General Chemistry with Lab III	44.00	44.0	0.00	6

Required Elective Credits

Remaining elective credits should be chosen with the help of an advisor based on the requirements of the specific major at the baccalaureate institution the student plans to attend. COLL 101 is a required elective for all students.

Examples of other elective choices include a full year sequence of organic chemistry for majors; a full year sequence of physics for science majors; or further math at the pre-calculus level or above or statistics. Consult an advisor for more information.

Total Credits	91

Associate in Business DTA/MRP

Degree Type
Associate in Business

90 minimum credits

The Associate in Business degree is a direct transfer degree that prepares students to transfer to four-year colleges and universities in the area of business, having satisfied the lower division general education (or core) requirements and lower division business requirements. Students who complete an Associate in Business DTA degree will have satisfied the lower division general education (or core) requirements and lower division business requirements at the baccalaureate institutions, subject to the provisos listed in the Intercollege Relations Commission Handbook.

Upon successful completion of this degree a student will be able to:

- Understand patterns and make connections among different disciplines and schools of knowledge and to integrate studies with personal experience
- Learn actively and gain comprehensive understanding; to think critically, creatively, and reflectively in order to solve problems; to communicate with clarity and originality for personal growth and productive work; and to interact in diverse and complex environments and complicated, dynamic, and ambiguous situations
- Understand the relationships among business, government, the economy, and society and the management of business organizations, to include planning, human resources, marketing, finance, and accounting

University admission requirements vary—consult with an advisor for specific information. Admission to Washington public baccalaureate schools of business is not guaranteed to students holding an Associate in Business DTA degree. It is strongly recommended that students contact the baccalaureate-granting business school early in their Associate in Business DTA program to be advised about additional requirements (e.g., GPA) and procedures for admission. Students are encouraged to meet with an advisor about appropriate course options for each of the distribution areas below to meet the requirements of their intended transfer institution. Please note that admission for many business schools is competitive, and high grade-point averages and course grades are often required. Please check with your destination school and college. Consult with an academic advisor to develop an educational plan.

Completion Requirements

The Associate in Business DTA/MRP is a direct transfer degree that requires at least 90 credit hours in college level courses (numbered 100 or above), a minimum cumulative 2.0 grade point average, a minimum of 25 credits in residence at Cascadia, and completion of all of the requirements for this degree. Students must meet with an advisor to complete and submit an application for graduation.

Area of Interest
Business

General Education Core Courses

Foundations for College Success

Must be completed within the first 30 credits.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
COLL 101	College Strategies	55.00	0.0	0.00	5

Communication

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 101	English Composition I	55.00	0.0	0.00	5
ENGL& 102	Composition II	55.00	0.0	0.00	5

Quantitative or Symbolic Reasoning

Students must select at least 10.0 credits of MATH from the course sequence below. MATH&148 or MATH&151 must be one of the completed courses. Students should work with an academic advisor to determine the appropriate math course selection for Cascadia degree and transfer school requirements.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
MATH& 142	Precalculus II	55.00	0.0	0.00	5
MATH 147	Business Precalculus	55.00	0.0	0.00	5
MATH& 148	Business Calculus	55.00	0.0	0.00	5
MATH& 151	Calculus I	55.00	0.0	0.00	5
MATH& 152	Calculus II	55.00	0.0	0.00	5

Equity, Diversity, and Power Requirement

Students must complete a 150-series EDP course and at least one more additional EDP-designated course-- totaling ten (10) credits-- to meet the Equity, Diversity, and Power completion requirement. EDP courses in the 150-series ground students in the needed cognitive tools and background to critically analyze their position in our increasingly interconnected, complex, and diverse world so they can pursue further study and seek out their careers more intentionally. EDP designated courses may also apply toward Humanities, Social Science, Natural Science, or General Elective distribution requirements as indicated. See the Cascadia catalog for the complete list of EDP-designated courses.

Humanities Distribution Requirement

Students must complete courses from at least two different disciplines. No more than five credits may be included from those courses designated HP as performance/skills, applied theory, or lecture/studio courses. Only 5 credits of world language or ASL at the 100 level may be included. CMST 150, GS 150, HIST 150, or HUM 150 may be used to fulfill 5 credits of the Humanities Distribution requirement.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
CMST& 220	Public Speaking	55.00	0.0	0.00	5
H designated course		55.00	0.0	0.00	5
H designated course		55.00	0.0	0.00	5

Social Sciences Distribution Requirement

Students must complete courses from at least two different disciplines and should check with an advisor for specific university or business school requirements. GS 150, HIST 150, or SOC 150 may be used to fulfill 5 credits of the Social Sciences Distribution requirement.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ECON& 201	Microeconomics	55.00	0.0	0.00	5
ECON& 202	Macroeconomics	55.00	0.0	0.00	5
SS designated course		55.00	0.0	0.00	5

Natural Sciences Distribution Requirement

Students must complete courses from at least two different disciplines and include at least five credits of a lab course (LAB). 10 credits required in physical, earth, and/or biological sciences

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
MATH& 146 or MATH 246		0.00	0.0	0.00	5
Choose two NS designated courses. One must be a lab.		Variable	Variable	0.00	10

Required Program Electives

Students should consult with an advisor for specific transfer institution or business school requirements.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ACCT& 201	Principles of Accounting I	55.00	0.0	0.00	5
ACCT& 202	Principles of Accounting II	55.00	0.0	0.00	5
ACCT& 203	Principles of Accounting III	55.00	0.0	0.00	5
BUS& 201	Business Law	55.00	0.0	0.00	5
Total Credits					90

Associate in Computer Science DTA/MRP

Degree Type
Associate in Computer Science

90 minimum credits

The Associate in Computer Science is a direct transfer degree that prepares students to transfer to four-year colleges and universities in the area of computer science. Students who complete an Associate in Computer Science DTA degree will have satisfied the lower division general education (or core) requirements and lower division science requirements at the baccalaureate institutions, subject to the provisos listed in the Intercollege Relations Commission Handbook.

Upon successful completion of this degree a student will be able to:

- Understand patterns and make connections among different disciplines and schools of knowledge and to integrate studies with personal experience
- Learn actively and gain comprehensive understanding; to think critically, creatively, and reflectively in order to solve problems; to communicate with clarity and originality for personal growth and productive work; and to interact in diverse and complex environments and complicated, dynamic, and ambiguous situations

University admission requirements vary—consult with an advisor for specific information. Admission to Washington public baccalaureate institutions is not guaranteed. It is strongly recommended that students contact the baccalaureate-granting institution early in their program to be advised about additional requirements (e.g., GPA) and procedures for admission. Students are encouraged to meet with an advisor about appropriate course options for each of the distribution areas below to meet the requirements of their intended transfer institution. Please note that admission for many schools is competitive, and high grade- point averages and course grades are often required. Please check with your destination school and college. Consult with an academic advisor to develop an educational plan.

Completion Requirements

The Associate of Computer Science is a direct transfer degree that requires at least 90 credit hours in college level courses (numbered 100 or above), a minimum cumulative 2.0 grade point average, a minimum of 25 credits in residence at Cascadia, and completion of all of the requirements for this degree. Students must meet with an advisor to complete and submit an application for graduation.

Area of Interest
Science, Technology, Engineering and Mathematics

General Education Core Courses

Foundations for College Success

Must be completed within the first 30 credits.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
COLL 101	College Strategies	55.00	0.0	0.00	5

Communication

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 101	English Composition I	55.00	0.0	0.00	5
ENGL& 102	Composition II	55.00	0.0	0.00	5

Quantitative or Symbolic Reasoning

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
MATH& 151	Calculus I	55.00	0.0	0.00	5

Equity, Diversity, and Power Requirement

Students must complete a 150-series EDP course and at least one more additional EDP-designated course-- totaling ten (10) credits-- to meet the Equity, Diversity, and Power completion requirement. EDP courses in the 150-series ground students in the needed cognitive tools and background to critically analyze their position in our increasingly interconnected, complex, and diverse world so they can pursue further study and seek out their careers more intentionally. EDP designated courses may also apply toward Humanities, Social Science, Natural Science, or General Elective distribution requirements as indicated. See the Cascadia catalog for the complete list of EDP-designated courses.

Humanities Distribution Requirement

Students must complete courses from at least two different disciplines. No more than five credits may be included from those courses designated HP as performance/skills, applied theory, or lecture/studio courses. Only 5 credits of a world language or ASL at the 100 level may be included. CMST 150, GS 150, HIST 150, or HUM 150 may be used to fulfill 5 credits of the Humanities Distribution requirement.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
H designated course		55.00	0.0	0.00	5
H designated course		55.00	0.0	0.00	5
H designated course		55.00	0.0	0.00	5

Social Sciences Distribution Requirement

Students must complete courses from at least two different disciplines. GS 150, HIST 150, or SOC 150 may be used to fulfill 5 credits of the Social Sciences Distribution requirement.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
SS designated course		55.00	0.0	0.00	5
SS designated course		55.00	0.0	0.00	5
SS designated course		55.00	0.0	0.00	5

Natural Sciences Distribution Requirement

Students must complete courses from at least two different disciplines, and include at least ten credits from any lab science intended for science and engineering major chosen from BIOL&211 or higher, CHEM&161 or higher, or PHYS&221 or higher. In some cases, a third lab science may be substituted for five credits of Calculus II. Students should consult with an advisor for specific completion requirements.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
NSL (LAB) Designated Course		Variable	Variable	0.00	5
NSL (LAB) Designated Course		Variable	Variable	0.00	5
MATH& 152	Calculus II	55.00	0.0	0.00	5

Program Required Elective Credits

Students should consult with an advisor for specific transfer institution requirements.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-CS 142	Intermediate Programming	55.00	0.0	0.00	5
IT-CS 143	Programming Data Structures	55.00	0.0	0.00	5
Elective Course		Variable	Variable	0.00	5
Elective Course		Variable	Variable	0.00	5
Elective Course		Variable	Variable	0.00	5
Total Credits					90

Associate in Pre-Nursing DTA/MRP

Degree Type
Associate in Pre-Nursing

93 credits

The Associate in Pre-Nursing Degree prepares students to transfer to a baccalaureate degree program in Nursing (BSN). This degree program is applicable to students planning to transfer to a program where they can earn a baccalaureate degree in Nursing (Entry-to-practice/basic BSN program or other related allied health field) by completing a broad selection of academic courses.

This degree has been agreed upon by the following baccalaureate institutions offering an entry-to-practice/basic BSN program and the community and technical colleges system: University of Washington, Seattle; Washington State University; Northwest University; Seattle University; Seattle Pacific University; Pacific Lutheran University; Walla Walla College. The Washington State University Intercollegiate College of Nursing (WSU-ICN) is a consortium whose members include Eastern Washington University, Gonzaga, and Whitworth. Associate's degree transfers to WSU-ICN are admitted through WSU, not through the other consortium institutions. EWU participated in the development of this agreement. Student must contact the potential transfer institutions regarding their choices where the degree allows for student choice in classes and are encouraged to consult an academic advisor.

Upon successful completion of this degree a student will be able to:

- Understand patterns and make connections among different disciplines and schools of knowledge and to integrate studies with personal experience
- Learn actively and gain comprehensive understanding; to think critically, creatively, and reflectively in order to solve problems; to communicate with clarity and originality for personal growth and productive work; and to interact in diverse and complex environments and complicated, dynamic, and ambiguous situations
- Enter an entry-to-practice nursing program

Completion Requirements

The Associate in Pre-Nursing DTA/MRP is a direct transfer degree that requires at least 90 credit hours in college level courses (numbered 100 or above), a minimum cumulative 2.0 grade point average, a minimum of 25 credits from Cascadia, and completion of all of the requirements for this degree. Students must meet with an advisor to complete and submit an application for graduation

Area of Interest
Health and Wellness

General Education Core Courses

Foundations for College Success

Must be completed within the first 30 credits.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
COLL 101	College Strategies	55.00	0.0	0.00	5

Communication

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 101	English Composition I	55.00	0.0	0.00	5
ENGL& 102	Composition II	55.00	0.0	0.00	5

Quantitative or Symbolic Reasoning

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
MATH& 146	Introduction to Statistics	55.00	0.0	0.00	5

Equity, Diversity, and Power Requirement

Students must complete a 150-series EDP course and at least one more additional EDP-designated course-- totaling ten (10) credits-- to meet the Equity, Diversity, and Power completion requirement. EDP courses in the 150-series ground students in the needed cognitive tools and background to critically analyze their position in our increasingly interconnected, complex, and diverse world so they can pursue further study and seek out their careers more intentionally. EDP designated courses may also apply toward Humanities, Social Science, Natural Science, or General Elective distribution requirements as indicated. See the Cascadia catalog for the complete list of EDP-designated courses

Humanities Distribution Requirement

Students must complete courses from at least two different disciplines. No more than five credits may be included from those courses designated HP as performance/skills, applied theory, or lecture/studio courses. Only 5 credits of a world language or ASL at the 100 level may be included. CMST 150, GS 150, HIST 150, or HUM 150 may be used to fulfill 5 credits of the Humanities Distribution requirement.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
CMST& 220	Public Speaking	55.00	0.0	0.00	5
H designated course		55.00	0.0	0.00	5
H designated course		55.00	0.0	0.00	5

Social Sciences Distribution Requirement

Students must complete 15 credits from at least 2 different disciplines with a maximum of 10 credits from one discipline. SOC 150 may be used to fulfill 5 credits of the Social Sciences Distribution requirement.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
PSYC& 100	General Psychology	55.00	0.0	0.00	5
PSYC& 200	Lifespan Psychology	55.00	0.0	0.00	5
ANTH(&) or SOC(&)		55.00	0.0	0.00	5

Natural Sciences Distribution Requirement

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
BIOL& 211	Majors Cellular	55.00	22.0	0.00	6
BIOL& 241	Human Anatomy and Physiology 1	44.00	44.0	0.00	6
BIOL& 242	Human Anatomy and Physiology 2	44.00	44.0	0.00	6
BIOL& 260	Microbiology	33.00	44.0	0.00	5
CHEM& 121	Introduction to Chemistry	44.00	22.0	0.00	5
CHEM& 131	Introduction to Organic Chemistry & Biochemistry	44.00	22.0	0.00	5
NUTR& 101	Nutrition	55.00	0.0	0.00	5

Program Distribution Requirement

Remaining elective credits should be planned with the help of an advisor based on the requirements of the specific major at the institution the student plans to attend. COLL 101 is a required elective for all students. Elective credits

may be selected from any of the distribution and elective courses. Professional/technical courses numbered 100 or above may be considered restricted electives. No more than 5.0 credits may be included from Restricted Electives List. Consult an advisor for more information.

Total Credits	93

Associate in Science- Transfer Track 2 : Engineering, Physics, and Atmospheric Sciences

Degree Type
Associate in Science- Transfer Track 2

90 minimum credits

The Associate of Science-Transfer Track Degree 2 (AS-T) is designed to prepare students for upper-division study in the areas of engineering, physics, and atmospheric science. Completing the AS-T degree will prepare students for upper division study; it does not guarantee students admission to the major. Like all Cascadia transfer degrees, the AS-T degree provides students with a solid foundation for future studies through the completion of a range of courses in the sciences and liberal arts. AS-T degree students should consult an academic advisor for full details.

Upon successful completion of this degree a student will be able to:

- Understand patterns and make connections among different disciplines and schools of knowledge and to integrate studies with personal experience
- Learn actively and gain comprehensive understanding; to think critically, creatively, and reflectively in order to solve problems; to communicate with clarity and originality for personal growth and productive work; and to interact in diverse and complex environments and complicated, dynamic, and ambiguous situations
- Demonstrate a solid foundation for baccalaureate science studies through the completion of an appropriate range of courses in the sciences and liberal arts

Completion Requirements

The Associate in Science-Transfer Track 2 degree requires at least 90 credit hours in college level courses (numbered 100 or above), a minimum cumulative 2.0 grade point average, a minimum of 25 credits in residence at Cascadia, and completion of all of the requirements for this degree. Students must meet with an advisor to complete and submit an application for graduation.

Area of Interest
Science, Technology, Engineering and Mathematics

General Education Core Courses

Foundations for College Success

Must be completed within the first 30 credits.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
COLL 101	College Strategies	55.00	0.0	0.00	5

Communication

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 101	English Composition I	55.00	0.0	0.00	5
ENGL& 102 or ENGL& 235		55.00	0.0	0.00	5

Quantitative or Symbolic Reasoning

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
MATH& 151	Calculus I	55.00	0.0	0.00	5
MATH& 152	Calculus II	55.00	0.0	0.00	5

Equity, Diversity, and Power Requirement

Students must complete a 150-series EDP course and at least one more additional EDP-designated course-- totaling ten (10) credits-- to meet the Equity, Diversity, and Power completion requirement. EDP courses in the 150-series ground students in the needed cognitive tools and background to critically analyze their position in our increasingly interconnected, complex, and diverse world so they can pursue further study and seek out their careers more intentionally. EDP designated courses may also apply toward Humanities, Social Science, Natural Science, or General Elective distribution requirements as indicated. See the Cascadia catalog for the complete list of EDP-designated courses.

Humanities/Social Sciences Distribution Requirement

Students must complete courses from at least two different disciplines. No more than five credits may be included from those courses designated HP as performance/skills, applied theory or lecture/studio courses. Only 5 credits of a world language or ASL at the 100 level may be included. CMST 150, GS 150, HIST 150, HUM 150, or SOC 150 may be used to fulfill 5 credits of the Humanities or Social Sciences Distribution requirement.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
H designated course		55.00	0.0	0.00	5
SS designated course		55.00	0.0	0.00	5
CMST 150, GS 150, HIST 150, HUM 150, SOC 150		55.00	0.0	0.00	5

Pre-Major Requirements

Students must complete courses from at least two different disciplines and include at least five credits of a lab course (LAB).
At least 10 credits are required in physical, earth and/or biological sciences. Students should consult an advisor for recommendations on pre-major transfer institution requirements. Students should complete the sequence courses listed below at one institution.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
CHEM& 161 or Other Science		Variable	Variable	0.00	5-6
MATH& 146 or MATH& 163		55.00	0.0	0.00	5
PHYS& 221	Engineering Physics I	44.00	22.0	0.00	5
PHYS& 222	Engineering Physics II	44.00	22.0	0.00	5
PHYS& 223	Engineering Physics III	44.00	22.0	0.00	5

Program Required Electives

Remaining elective credits should be planned with the help of an advisor based on the requirements of the specific major at the baccalaureate institution the student intends to attend. Elective credits may be selected from any of the distribution and elective courses. Professional/technical courses numbered 100 or above may be considered restricted electives. No more than 5.0 credits may be included from Restricted Electives List. Consult an advisor for more information.

Total Credits	90-91

Associate in Science- Transfer Track 1: Biological, Environmental Resources, Chemistry, Geology, and Earth Science

Degree Type
Associate in Science - Transfer Track 1

90 minimum credits

The Associate of Science Transfer (AS-T) Degree Track 1 is designed to prepare students for upper division study in the areas of biological sciences, environmental/resource sciences, chemistry, geology, and earth science. Completing the AS-T degree will prepare students for upper division study; it does not guarantee students admission to the major. AS-T degree students should consult an academic advisor for full details.

Upon successful completion of this degree a student will be able to:

- Understand patterns and make connections among different disciplines and schools of knowledge and to integrate studies with personal experience
- Learn actively and gain comprehensive understanding; to think critically, creatively, and reflectively in order to solve problems; to communicate with clarity and originality for personal growth and productive work; and to interact in diverse and complex environments and complicated, dynamic, and ambiguous situations
- Demonstrate a solid foundation for baccalaureate science studies through the completion of an appropriate range of courses in the sciences and liberal arts

Completion Requirements

The Associate in Science - Transfer Track 1 degree requires at least 90 credit hours in college level courses (numbered 100 or above), a minimum cumulative 2.0 grade point average, a minimum of 25 credits in residence at Cascadia, and completion of all of the requirements for this degree. Students must meet with an advisor to complete and submit an application for graduation.

Area of Interest
Earth Sciences, Sustainability and Environmental Studies

General Education Core Courses

Foundations for College Success

Must be completed within the first 30 credits.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
COLL 101	College Strategies	55.00	0.0	0.00	5

Communication

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 101	English Composition I	55.00	0.0	0.00	5
ENGL& 102	Composition II	55.00	0.0	0.00	5

Quantitative or Symbolic Reasoning

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
MATH& 151	Calculus I	55.00	0.0	0.00	5

MATH& 152	Calculus II	55.00	0.0	0.00	5

Equity, Diversity, and Power Requirement

Students must complete a 150-series EDP course and at least one more additional EDP-designated course-- totaling ten (10) credits-- to meet the Equity, Diversity, and Power completion requirement. EDP courses in the 150-series ground students in the needed cognitive tools and background to critically analyze their position in our increasingly interconnected, complex, and diverse world so they can pursue further study and seek out their careers more intentionally. EDP designated courses may also apply toward Humanities, Social Science, Natural Science, or General Elective distribution requirements as indicated. See the Cascadia catalog for the complete list of EDP-designated courses.

Humanities/Social Sciences Distribution Requirement

Students must complete courses from at least two different disciplines. No more than five credits may be included from those courses designated HP as performance/skills, applied theory or lecture/studio courses. Only 5 credits of a world language or ASL at the 100 level may be included. CMST 150, GS 150, HIST 150, HUM 150, or SOC 150 may be used to fulfill 5 credits of the Humanities or Social Sciences Distribution requirement.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
H designated course		55.00	0.0	0.00	5
SS designated course		55.00	0.0	0.00	5
CMST 150, GS 150, HIST 150, HUM 150, SOC 150		55.00	0.0	0.00	5

Pre-Major Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
CHEM& 161	General Chemistry with Lab I	44.00	44.0	0.00	6
CHEM& 162	General Chemistry With Lab II	44.00	44.0	0.00	6
CHEM& 163	General Chemistry with Lab III	44.00	44.0	0.00	6
MATH& 146 or MATH& 163		55.00	0.0	0.00	5
BIOL& 211, 212, 213 Majors Sequence OR PHYS& 221, 222, 223 Engineering Physics Sequence		Variable	Variable	0.00	15-18
BIOL, CHEM, GEOL, MATH, or PHYS		Variable	Variable	0.00	9-12
Total Credits					90-93

Bachelor of Applied Science: Mobile Application Development

Degree Type
Bachelor in Applied Science

90 minimum credits

Important note: this program is not admitting new students in the 25-26 academic year. See an advisor for more information.

The Bachelor of Applied Science (BAS) degree in Information Technology - Mobile Application Development prepares students for a career in the area of Mobile Application Development. This program is designed to meet current industry demands in the field of Information Technology related to full-stack systems design across major mobile platforms. Students, working both independently and in teams, will finish the program with a professional portfolio that demonstrates app development expertise from design through launch and beyond including crash monitoring.

Upon successful completion of this degree a student will be able to:

- Develop, troubleshoot, and update mobile applications and platforms to meet project objectives and provide impactful experiences
- Identify, analyze, and prioritize stakeholder needs throughout the development process to create engaging mobile applications
- Present an application's visual design, technical functionality, and overall marketability to a range of audiences and stakeholders
- Use professional communication and coding tools to work efficiently and effectively as part of an app development team, whether asynchronously or in-person

The Bachelor of Applied Science in Information Technology Application BAS-IT program has select admission and application requirements, including a two-year degree from a regionally accredited college or university in the areas of computer science or information technology consisting of at least 90 credits. Program information sessions and specialized advising are available before applying to this program. Interested students should contact an advisor for more information.

Area of Interest
Science, Technology, Engineering and Mathematics

General Education Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
ENGL& 235	Technical Writing	55.00	0.0	0.00	5
IT-CS 265 or ART 120		Variable	Variable	0.00	5
HUM 330	Design Research Methodologies	55.00	0.0	0.00	5
SOC 440	Society and Ethics in the Digital Age	55.00	0.0	0.00	5
Choose two NS designated courses. One must be a lab.		Variable	Variable	0.00	10

Program Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-MOB 271	Mobile User Interface Design	55.00	0.0	0.00	5
IT-MOB 300	Get-Set Mobile Development	11.00	0.0	0.00	1
IT-CS 340	Lifecycle Management	55.00	0.0	0.00	5
IT-CS 350	Software Design Patterns and Techniques	55.00	0.0	0.00	5
IT-MOB 371	Android Applications Development I	55.00	0.0	0.00	5

IT-MOB 372	Android Applications Development II	55.00	0.0	0.00	5
IT 375	Database Programming	55.00	0.0	0.00	5
IT-MOB 381	iOS App Development I	55.00	0.0	0.00	5
IT-MOB 382	iOS Application Development II	55.00	0.0	0.00	5
IT 465	REST API Development	55.00	0.0	0.00	5
IT-MOB 470	Mobile Backend Services	55.00	0.0	0.00	5
IT-MOB 480	Trends in Mobile Ecosystems	22.00	0.0	0.00	2
IT 490	Capstone Project	22.00	0.0	0.00	2
IT 495	Career Development and Networking	22.00	0.0	0.00	2

Work-Based Learning

Students should choose a combination of the following variable credit courses to meet the minimum number of 90 credits.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT 397 or IT 497		0.00	0.0	Variable	3
	Total Credits				90

Bachelor of Applied Science: Sustainable Practices

Degree Type
Bachelor in Applied Science

90 minimum credits

The Bachelor of Applied Science for Sustainable Practices (BAS-SP) expands Cascadia's commitment to sustainability and to the mission of transforming lives; it also fulfills crucial local and regional needs. Local industries from sustainability-related fields tell Cascadia that they desire bachelor level graduates, as well as opportunities for current workers to upgrade their educational levels to qualify for promotions or to move into management levels.

The BAS-SP student will leave the program with the ability to manage complex projects, operate at the management level and communicate changes needed at company and regional levels that ensure sustainable practices are interwoven at all levels in the community. A student graduating with a BAS-SP will have career options in government agencies, utility companies, energy efficiency businesses, non-profits, consulting and auditing organizations, water and agriculture industries, sustainable building/ construction management firms, and educational institutions.

Graduates of the BAS-SP will acquire these five key sustainability competencies:

- ***Systems Thinking Competence***
  Systems Thinking Competence is the ability to collectively analyze complex systems across different domains (society, environment, and the economy etc.) and across different scales (local to global)
- ***Interpersonal Competence***
  Interpersonal Competence is the ability to motivate, enable, and facilitate collaborative and participatory sustainability research and problem solving
- ***Anticipatory Competence***
  Anticipatory Competence is the ability to collectively analyze, evaluate, and craft rich 'pictures' of the future related to sustainability issues and sustainability problem-solving frameworks
- ***Strategic Competence***
  Strategic Competence is the ability to collectively design and implement interventions, transitions, and transformative governance strategies toward sustainability
- ***Normative Competence***
  Normative Competence is the ability to collectively map, specify, apply, reconcile, and negotiate sustainability values, principles, goals, and targets

The Bachelor of Applied Science in Sustainable Practices (BAS-SP) program has select admission and application requirements., including a two-year degree from a regionally accredited college or university in the area of sustainability, environmental technology, or equivalent, consisting of at least 90 credits. Program information sessions and specialized advising are available before applying to this program. Interested students should contact the Assistant Director of the BAS-SP program for more information.

Area of Interest
Earth Sciences, Sustainability and Environmental Studies

Program Completion Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
BIOL 320	Biodiversity	44.00	22.0	0.00	5
BUS 480	Sustainable Business Practices	55.00	0.0	0.00	5
ECON 460	Economics of Natural Resources	55.00	0.0	0.00	5
ENVS 370	Environmental Chemistry, Pollution, and Waste Management	44.00	22.0	0.00	5
GEOG 440	Global Natural Resource Management	55.00	0.0	0.00	5
GEOL 360	Earth Systems and Global Climate Change	44.00	22.0	0.00	5
PHIL 243	Environmental Ethics and Sustainability	55.00	0.0	0.00	5

POLS 306	State Government and Public Policy	55.00	0.0	0.00	5
POLS 445	Environmental Politics and Policy	55.00	0.0	0.00	5
SUPR 290	Career Pathways: Sustainable Practices	11.00	0.0	0.00	1
SUPR 300	BAS-SP Program Orientation	11.00	0.0	0.00	1
SUPR 301	Introduction to Sustainable Practices	55.00	0.0	0.00	5
SUPR 310	Statistics for Research in Sustainable Practices	55.00	0.0	0.00	5
SUPR 325	Social Perspectives on Sustainable Practices	55.00	0.0	0.00	5
SUPR 410	Research Design and Methods in Sustainable Practices	55.00	0.0	0.00	5
SUPR 490 Sustainable Practices Capstone		Variable	Variable	0.00	4

Work-Based Learning

Students should choose a combination of the following variable credit courses to meet the minimum total of 90 credits.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
SUPR 397 or SUPR 497		0.00	0.0	Variable	4

Required Program Electives

Students will choose from a list of approved electives to bring the total number of credits to 90. Students should consult with an advisor for specific program completion requirements. Students who have not completed ENGL&101 or ENGL& 235 are required to complete one of these courses for their elective. Students who have not completed an approved CMST course are required to complete one CMST course as an elective.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
Choice (15-20 credits)		Variable	Variable	0.00	15-20
	Total Credits				90

Bachelor of Science: Computer Science

Degree Type
Bachelor in Science

180 credits

Cascadia's Bachelor of Science in Computer Science program equips students for IT careers in programming, software engineering, and data science across various industries. Computer Science requires creativity, collaboration, and analytical problem-solving skills. Students gain a strong foundation in computing principles through a combination of individual study and collaborative projects, allowing them to apply their knowledge to solve practical and engaging problems.

Program Outcomes: Upon successful completion of this degree a student will be able to:

- Demonstrate in-depth understanding of algorithms, complexity, data structures, programming language concepts, modern software development, and computer science theory.
- Apply computer science theory and software development fundamentals to produce computing-based solutions.
- Work with a diverse team, respond to feedback, handle ambiguity, communicate effectively with clients, team members, and other project stakeholders.
- Develop and present a major project that requires integration and application of knowledge and skills acquired in the program.

General Education Core Classes

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
COLL 101	College Strategies	55.00	0.0	0.00	5
ENGL& 101	English Composition I	55.00	0.0	0.00	5
ENGL& 235	Technical Writing	55.00	0.0	0.00	5
MATH& 141	Precalculus I	55.00	0.0	0.00	5
MATH& 142 or MATH& 146		55.00	0.0	0.00	5

Humanities and Social Science Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
H designated course		55.00	0.0	0.00	5
SS designated course		55.00	0.0	0.00	5

Natural Science Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
NSL (LAB) Designated Course		Variable	Variable	0.00	5
NSL (LAB) Designated Course		Variable	Variable	0.00	5

Elective General Education Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
150 EDP		55.00	0.0	0.00	5

Lower Division Program Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-CS 101	Introduction to Computer Science	55.00	0.0	0.00	5
IT-CS 115	Introduction to Programming	55.00	0.0	0.00	5
IT-CS 142	Intermediate Programming	55.00	0.0	0.00	5
IT-CS 143	Programming Data Structures	55.00	0.0	0.00	5
IT-CS 170	Linear Algebra for Data Analysis	55.00	0.0	0.00	5
HUM 107	Introduction to Human-Centered Design	55.00	0.0	0.00	5
IT-CS 243	Software Development Tools	33.00	0.0	0.00	3
IT-CS 265	Structures and Algorithms	55.00	0.0	0.00	5
IT 275	Database Design	55.00	0.0	0.00	5
IT-WEB 285	Web Applications I	55.00	0.0	0.00	5
IT-CS 295	Computer Science Career Seminar	22.00	0.0	0.00	2

Upper Division Program Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-CS 301	Foundations of Software Development	55.00	0.0	0.00	5
IT-CS 397	Computer Science Seminar	11.00	0.0	0.00	1
IT-CS 311	Discrete Structures 1	55.00	0.0	0.00	5
IT-CS 312	Discrete Structures 2	55.00	0.0	0.00	5
IT-CS 334	Data Structures and Algorithms 2	55.00	0.0	0.00	5
IT-CS 350	Software Design Patterns and Techniques	55.00	0.0	0.00	5
IT-CS 398	Computer Science Seminar	11.00	0.0	0.00	1
IT-CS 402	Statistical Methods for Testing	55.00	0.0	0.00	5
IT-CS 421	Algorithmic Problem Solving	55.00	0.0	0.00	5
IT-CS 442	Principles of Computer Systems	55.00	0.0	0.00	5
IT-CS 450	Security Foundations	22.00	0.0	0.00	2
IT-CS 499	CS Seminar	11.00	0.0	0.00	1
IT-CS 485	Capstone Project 1	55.00	0.0	0.00	5
IT-CS 433	Programming Languages	55.00	0.0	0.00	5
IT-CS 486	Capstone Project 2	55.00	0.0	0.00	5

Upper Division Program Electives

Students will choose from a list of approved electives to bring the total number of credits to 90. Students should consult with an advisor for specific program completion requirements.

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
Choice (15-20 credits)		Variable	Variable	0.00	15-20
	Total Credits				180

Certificate- Android Application Development

Degree Type
Certificate

20 credits

This certificate focuses on the skills required by IT professionals who develop mobile apps for Android devices. The certificate provides students with native Android design and implementation experience utilizing agile development methods, input from stakeholders, peer and professional review, integrated testing, and structured team collaboration. Students build knowledge and skill by contributing to several mobile apps, culminating in a portfolio-ready capstone project.
Key topics include: foundational and advanced Android programming concepts, test frameworks and unit tests for business logic, UI design and usability testing, Play Store overview, and steps for app distribution. This certificate is appropriate for students and IT professionals with a moderate programming background and some design experience who want to move into mobile platform development.

Area of Interest
Science, Technology, Engineering and Mathematics

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-MOB 271	Mobile User Interface Design	55.00	0.0	0.00	5
IT-MOB 371	Android Applications Development I	55.00	0.0	0.00	5
IT-MOB 372	Android Applications Development II	55.00	0.0	0.00	5
IT 490	Capstone Project	22.00	0.0	0.00	2
IT 397 or IT 497		0.00	0.0	Variable	3
	Total Credits				20

Certificate- Cloud Computing Engineer

Degree Type
Certificate

25 credits

The Cloud Computing Engineer Certificate prepares students for the dynamic and rapidly evolving field of cloud computing, providing them with a comprehensive understanding of its foundational technologies and advanced applications. The skills and topics include courses on fundamentals and advanced networking, foundations and advanced cloud topics for the solution architect, and an array of virtualization platforms and technologies. Students will acquire the essential skills and knowledge needed to design, implement, and manage cloud computing solutions.
This certificate equips learners with a deep dive into cloud infrastructure, emphasizing practical and theoretical knowledge in cloud services, security, architecture, and data storage solutions. By integrating hands-on labs and theoretical concepts, the certificate helps students to be prepared to tackle real-world challenges in cloud computing environments, making them valuable assets to any organization looking to leverage cloud technologies for business advantage.

Area of Interest
Science, Technology, Engineering and Mathematics

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-OPS 102	Networking Fundamentals	44.00	22.0	0.00	5
IT-OPS 125	Cloud Foundations	44.00	22.0	0.00	5
IT-OPS 135	Advanced Network Infrastructure	44.00	22.0	0.00	5
IT-OPS 205	Virtualization Technologies	44.00	22.0	0.00	5
IT-OPS 225	Cloud Architecting	44.00	22.0	0.00	5
	Total Credits				25

Certificate- Computer Programming Foundations

Degree Type
Certificate

20 credits

The Computer Programming Foundations certificate provides students with the solid foundation that's necessary to succeed in computer programming, either on the job or after they've transferred to a four-year college/university. Students master fundamental computer programming topics, such as control structures, functions and procedural programming, object- oriented programming, sorting and searching algorithms, recursion, abstract data types (e.g., stacks and queues), linked lists, and binary trees.

Area of Interest
Science, Technology, Engineering and Mathematics

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-CS 115	Introduction to Programming	55.00	0.0	0.00	5
IT-CS 116	Scripting	55.00	0.0	0.00	5
IT-CS 142	Intermediate Programming	55.00	0.0	0.00	5
IT-CS 143	Programming Data Structures	55.00	0.0	0.00	5
	Total Credits				20

Certificate- Desktop Support Technician

Degree Type
Certificate

20 credits

The Desktop Support Technician Certificate prepares students by developing the extensive technical knowledge and troubleshooting skills needed to provide Information Technology (IT) services to companies through help desk support. This certificate focuses on skills required by IT professionals who support end users and troubleshoot desktop environments. Key topics include computer maintenance and troubleshooting skills with an emphasis on desktop support for clients in a Microsoft Windows and Linux operating systems in client/server network environments.

Area of Interest
Science, Technology, Engineering and Mathematics

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-OPS 101	Desktop Support Technician	44.00	22.0	0.00	5
IT-OPS 102	Networking Fundamentals	44.00	22.0	0.00	5
IT-OPS 130	Server Administration	44.00	22.0	0.00	5
IT-OPS 170	Linux Administration	44.00	22.0	0.00	5
	Total Credits				20

Certificate- Emergency Management

Degree Type
Certificate

24 credits

The Emergency Management certificate program is designed to prepare the next generation of emergency management practitioners. The certificate prepares you to work in emergency planning and training programs, coordinate disaster response and recovery efforts, and navigate the administrative and technical demands of disaster and emergency management efforts. The certificate is specifically designed to prepare graduates for generalist positions in emergency management related organizations.
Both entry level candidates and those making a career transition will benefit from the emergency management certificate. The certificate is specially designed to be completed in 2 terms if desired, to meet the unique needs of military members transitioning to civilian life. The certificate can be directly applied to our emergency management Associate degree if a student wishes to continue their education.

Area of Interest
Social Sciences, Human Services and Education

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
EM 102	Introduction to Emergency Management	55.00	0.0	0.00	5
EM 110	Basic Incident Command Systems	22.00	0.0	0.00	2
EM 120	All Hazards Emergency Planning	33.00	0.0	0.00	3
EM 130	Technology and Emergency Management	33.00	0.0	0.00	3
EM 157	Public Information	22.00	0.0	0.00	2
EM 200	Emergency Operations Center	22.00	0.0	0.00	2
EM 210	Exercise Design and Evaluation	33.00	0.0	0.00	3
EM 250	Homeland Security Law and Policy	44.00	0.0	0.00	4
	Total Credits				24

Certificate- iOS Application Development

Degree Type
Certificate

20 credits

This certificate prepares student for work in iOS development on devices like the iPhone, iPad, Apple Watch, and Apple TV. The certificate provides students with native iOS design and implementation experience utilizing agile development methods, input from stakeholders, peer and professional review, integrated testing, and structured team collaboration. Students build knowledge and skill by contributing to several mobile apps, culminating in a portfolio-ready capstone project.
Key topics include: foundational and advanced iOS programming concepts, test frameworks and unit tests for business logic, UI design and usability testing, App Store overview, and steps for app distribution. This certificate is appropriate for students and IT professionals with a moderate programming background and some design experience who want to move into mobile platform development.

Area of Interest
Science, Technology, Engineering and Mathematics

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-MOB 271	Mobile User Interface Design	55.00	0.0	0.00	5
IT-MOB 381	iOS App Development I	55.00	0.0	0.00	5
IT-MOB 382	iOS Application Development II	55.00	0.0	0.00	5
IT 490	Capstone Project	22.00	0.0	0.00	2
IT 397 or IT 497		0.00	0.0	Variable	3
	Total Credits				20

Certificate- JavaScript Programming

Degree Type
Certificate

20 credits

The JavaScript Programming certificate provides a foundation in the web technologies necessary to create and/or maintain web sites that use JavaScript to provide client-side functionality. The program provides the fundamental skill sets needed to work effectively with current web programming standards and tools to create high-quality, JavaScript-enabled websites.

Area of Interest
Science, Technology, Engineering and Mathematics

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-WEB 112	Basics of Web Authoring	55.00	0.0	0.00	5
IT-WEB 113	User Interface Development	55.00	0.0	0.00	5
IT-CS 115	Introduction to Programming	55.00	0.0	0.00	5
IT-CS 116	Scripting	55.00	0.0	0.00	5
Total Credits					20

Certificate- Mobile Backend Development

Degree Type
Certificate

20 credits

This certificate develops the required skills for work as a backend developer to support full-stack development of mobile applications. The certificate provides students with SQL and NoSQL database experience, API development coding practices, and development methodologies suitable for deploying apps on modern cloud-based systems. Students build knowledge and skill by contributing to several mobile apps, culminating in a portfolio-ready capstone project.
Key topics include: developing, securing and testing REST APIs, the benefits, limitations, and key distinctions of different architectures, Backend-as-a-Service (BaaS), Platform-as-a-Service (PaaS), and Functions-as-a-Service (FaaS), as well as Containers, offline synchronization strategies, and compliance with industry-specific and regional regulations (HIPAA, PCI-DCS, or FIPS). This certificate is appropriate for students and IT professionals with a moderate programming background and some database experience who want to move into mobile platform development.

Area of Interest
Science, Technology, Engineering and Mathematics

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT 375	Database Programming	55.00	0.0	0.00	5
IT 465	REST API Development	55.00	0.0	0.00	5
IT-MOB 470	Mobile Backend Services	55.00	0.0	0.00	5
IT 490	Capstone Project	22.00	0.0	0.00	2
IT 397 or IT 497		0.00	0.0	Variable	3
	Total Credits				20

Certificate- Network Engineer

Degree Type
Certificate

20 credits

The Network Engineer Certificate prepares students with skills for Local Area Network (LAN) and Wide Area Network (WAN) system administration. Students will experience the essential skills of networking with depth of study in TCP/IP, routing, switching, logical addressing, and troubleshooting methodologies.
Key topics include IPv6, subnetting, intermediate routing protocols, command-line interface configuration of switches, Ethernet switching, and Virtual LANs (VLANs) utilizing Cisco hardware platforms and protocols. The certificate provides students with an understanding of the concepts, principles, and techniques required in the topological design, implementation, and maintenance of LANs and WANs.

Area of Interest
Science, Technology, Engineering and Mathematics

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-OPS 101	Desktop Support Technician	44.00	22.0	0.00	5
IT-OPS 102	Networking Fundamentals	44.00	22.0	0.00	5
IT-CS 115	Introduction to Programming	55.00	0.0	0.00	5
IT-OPS 135	Advanced Network Infrastructure	44.00	22.0	0.00	5
	Total Credits				20

Certificate- Office Applications

Degree Type
Certificate

20 credits

The Office Applications Certificate curriculum includes key office software applications and an opportunity to earn Microsoft Office Specialist certifications in Word, Excel, Access, and PowerPoint. The program provides complementary skills utilized by employees in various office positions within a company. This certificate requires successful completion of a minimum of **20 credits** as outlined.

Area of Interest
Business

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
BSTEC 109	Word Processing (MS Word)	55.00	0.0	0.00	5
BSTEC 211	PowerPoint Projects	55.00	0.0	0.00	5
BSTEC 222	Database (Microsoft Access)	55.00	0.0	0.00	5
BSTEC 224	Spreadsheet (Microsoft Excel)	55.00	0.0	0.00	5
	Total Credits				20

Certificate- Security Support Technician

Degree Type
Certificate

20 credits

The Security Support Certificate prepares students for the field of Cybersecurity. The target audience for this certificate is IT professionals that are hoping to add security skills and knowledge to their education, as well as students seeking to build upon their Information Technology Infrastructure Operations A.A.S.T. degree. The certificate is designed to provide students with a broad understanding of network and computer security combined with depth of study in security vulnerabilities. Students will how to implement security measures to analyze an existing network topology.

Area of Interest
Science, Technology, Engineering and Mathematics

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-OPS 101	Desktop Support Technician	44.00	22.0	0.00	5
IT-OPS 102	Networking Fundamentals	44.00	22.0	0.00	5
IT-OPS 145	Security Essentials	44.00	22.0	0.00	5
IT-OPS 170	Linux Administration	44.00	22.0	0.00	5
	Total Credits				20

Certificate- Server Administrator

Degree Type
Certificate

25 credits

In this certificate students learn the foundational skills necessary to support data networks, and troubleshoot and repair computer systems for end users. Students will design and implement a variety of network infrastructures, design, install, configure, and optimize server environments to provide high availability for data networks. Students will develop procedures and processes to manage server security and integrity for data centers, plan logical network designs for multiple site topologies., and practice building networks with routing and switching equipment. Students will implement and control data communication with routing protocols and securities in LAN and WAN infrastructures, and learn how to work in group environments by managing and facilitating projects.

Area of Interest
Science, Technology, Engineering and Mathematics

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-OPS 102	Networking Fundamentals	44.00	22.0	0.00	5
IT-CS 115	Introduction to Programming	55.00	0.0	0.00	5
IT-OPS 130	Server Administration	44.00	22.0	0.00	5
IT-OPS 135	Advanced Network Infrastructure	44.00	22.0	0.00	5
IT-OPS 140	Advanced Server Administration	44.00	22.0	0.00	5
	Total Credits				25

Certificate- Virtualization Specialist

Degree Type
Certificate

20 credits

In this certificate students will learn the virtualization technologies for application, desktop, server, and routing and switching network infrastructures. Design virtual networks to support cloud environments. Students will create virtualization strategies for dynamic IT business solutions, and practice a multitude of virtualization solutions for physical and virtual infrastructures.
Students will build highly available virtual environments for remote desktops and application connectivity, as well as server farm capacity planning and storage solutions. Upon completion of this certificate students will understand the concepts and best practices for virtualizing IT entities to lower cost and environmental impact., improve the efficiency and high availability of IT resources, and utilize industry solutions to maintain and monitor virtualization on enterprise level networks.

Area of Interest
Science, Technology, Engineering and Mathematics

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-OPS 102	Networking Fundamentals	44.00	22.0	0.00	5
IT-CS 115	Introduction to Programming	55.00	0.0	0.00	5
IT-OPS 135	Advanced Network Infrastructure	44.00	22.0	0.00	5
IT-OPS 205	Virtualization Technologies	44.00	22.0	0.00	5
	Total Credits				20

Certificate- Water Resource Management

Degree Type
Certificate

31 credits

The Water Resource Management Certificate integrates technology and the natural sciences with an emphasis on water quality and the environment. This certificate is designed for the student with prior employment history and/or education and is interested in redirecting their career.

Area of Interest
Earth Sciences, Sustainability and Environmental Studies

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
WATER 110	Introduction to Water Science, Resources, and Issues	55.00	0.0	0.00	5
WATER 210	Water Policy and Regulation	55.00	0.0	0.00	5
WATER 220	Water Quality Analysis	22.00	66.0	0.00	5
WATER 250	Soils and Hydrology	44.00	44.0	0.00	6
ENVS 220	Wetland Ecology	33.00	44.0	0.00	5
GIS 101	Intro to Geographic Info Systems	55.00	0.0	0.00	5
	Total Credits				31

Certificate- Web Applications

Degree Type
Certificate

22 credits

The Web Applications certificate provides an overview of web application development, with a focus on ASP.NET/ SQL Server development, to students with some previous programming experience. Students gain first-hand experience designing data driven web applications; accessing databases securely; and developing three-tier application architecture: presentation, logic and data, and using an agile application development process.

Area of Interest
Science, Technology, Engineering and Mathematics

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
IT-CS 142	Intermediate Programming	55.00	0.0	0.00	5
IT 275	Database Design	55.00	0.0	0.00	5
IT-WEB 285	Web Applications I	55.00	0.0	0.00	5
IT-WEB 286	Web Applications II	55.00	0.0	0.00	5
IT 197 or IT 297		0.00	0.0	Variable	2
	Total Credits				22

Certificate- Web Foundations

Degree Type
Certificate

22 credits

This certificate provides a foundation in the web technologies necessary to create and/or maintain websites. The program provides the fundamental skill sets needed to work effectively with clients in team settings using current web standards and tools to create high-quality, easy-to-use websites.

Area of Interest
Science, Technology, Engineering and Mathematics

Certificate Requirements

Course Code	Name	Lecture Hours	Lab Hours	Other Hours	Credits
CMST 105	Professional Communication	55.00	0.0	0.00	5
IT-WEB 112	Basics of Web Authoring	55.00	0.0	0.00	5
IT-WEB 113	User Interface Development	55.00	0.0	0.00	5
IT-WEB 160	Digital Imaging	0.00	22.0	0.00	1
IT-WEB 280	Web Server and Services	55.00	0.0	0.00	5
IT 197 or IT 297		0.00	0.0	Variable	1
	Total Credits				22

ACCT- Accounting

ACCT& 201: Principles of Accounting I

E- Students will explore the manner in which accountants pursue the goal of financial accounting: to provide useful, relevant information to users of financial statements. With a focus on merchandising enterprises, students look at how the accounts are organized, how they are affected by transactions, and how they impact one another. Students will explore the recording process, adjusting and closing entries, and the preparation of financial statements. Transaction analysis will focus on sales, purchases, cash, accounts receivable, and inventories, while additional topics include accounting information systems and internal control.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Co-enrollment with or completion of MATH&141 or MATH 147 with a grade of 2.0 or higher or placement into MATH&142.

ACCT& 202: Principles of Accounting II

E- In this course, a continuation of ACCT&201, students will further explore the manner in which accountants pursue the goal of financial accounting: to provide useful, relevant information to users of financial statements. Students will examine in detail the accounting for accounts and notes receivable, plant assets, current liabilities, shareholders¿ equity and dividends, long term liabilities, and investments. Additional topics include the statement of cash flows and financial statement analysis.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Completion of ACCT&201 with a grade of 2.0 or higher, or instructor permission.

ACCT& 203: Principles of Accounting III

E, SU- Students commencing this course in managerial accounting will have completed two previous courses in financial accounting (ACCT&201 and ACCT&202), whose goal is to provide useful, relevant information to users of financial statements. Managerial accounting, by contrast, is concerned with providing information to managers-the people inside an organization who direct and control its operations. Students will explore ways in which financial information for internal users is compiled, organized, and presented, and will develop a thorough understanding of manufacturing and nonmanufacturing costs; compute the cost of manufacturing a product or providing a service; and determine the behavior of costs as activity levels change. Attention will then shift to budgeting and the use of budgets and standard costs to assess performance. Additional topics include incremental analysis and capital budgeting.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Sustainability
Prerequisites
Completion of ACCT&202 with a grade of 2.0 or higher, or instructor permission.

ACCT 140: Accounting Essentials

RE- Students will acquire a practical understanding of financial and managerial accounting concepts. With a focus on the relationship between real-world events and the accounts and numbers that appear on financial statements, students will explore the accounting for common transactions and learn to apply the basic tools of financial statement analysis to various types of business and not-for-profit organizations. Managerial accounting topics include analysis of the cost of manufactured products, cost behavior, break-even analysis, and budgeting. This course is intended for the non-accounting specialist and is not recommended for students planning to transfer into bachelor's degree programs in business.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH or MFUND 75 with a grade of 2.0 or higher, or placement into MATH 84 or MATH 85- no MATH expiration

AIIS- American Indian Indigeno

AIIS 102: Introduction to American Indian and Indigenous Studies

EDP, H- Introductory course in American Indian / Indigenous Studies (AIIS) provides students with essential perspectives and narratives focused on the direct experiences and cultural heritage of Indigenous People of North America. Topics covered in the interdisciplinary course include: the scope of the AIIS field of study, the rich diversity of the Indigenous People of North America, Tribal sovereignty, State and Federal Treaties defining Tribal self-determination and Tribal Power Movements in the 21st century. The course is open to Tribal and non-tribal members
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

AIIS 103: The Indigenous Pacific Northwest

EDP, H, IL- Tribes of the Pacific Northwest have settled on and around rivers, coasts, mountains, and plateaus Since Time Immemorial. The course examines the Pacific North Coast, Plateau, and Southeast Alaskan Native Territories and their people. Key emphasis is placed on understanding significant Tribal contributions to the history, politics, and economies of Washington, Oregon, and Alaska. Assignments and projects focus on developing skills, abilities, and competencies in comprehending and understanding how Tribes in the region sustain their culture through language, art, ceremonies, foods, and spirituality by upholding their Tribal sovereignty and self-governance. A community-based learning assignment/project is required. The course is open to Tribal and non-tribal members.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities,
Integrated Learning
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

AIIS 203: Indigenous Ways of Knowing

EDP, H, IL, SS- Indigenous Ways of Knowing uses multiple experiences, ideologies, and theories to link the course concepts to their applications as complex language systems, kinship practices, and self-government Since Time Immemorial. The course develops understanding of and explores how contemporary Indigenous ways of knowing inform, shape, and transform understanding. Relevant narratives and experiences from American Tribal Nations and Canadian First Nations will frame the basis of examining these worldviews. Assignments and projects focus on developing skills and competencies in comprehending and understanding how Tribes demonstrate culture through Tribal sovereignty, identification, demographics, government relations, treaty and water rights, Indian gaming, and treaty law. This course meets the Integrated Learning (IL) requirement.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Humanities,
Integrated Learning,
Social Science
Prerequisites
Completion of ENGL&101 with a grade of 2.0 or higher.

ANTH-Anthropology

ANTH& 100: Survey of Anthropology

EDP,GS,SS- Students are introduced to the subfields of anthropology: cultural anthropology, biological anthropology, archaeology, linguistics, and applied anthropology. Students learn about anthropology's holistic approach to understanding the human experience and presence on the globe. Students explore anthropology's cross-cultural and evolutionary approach and investigate and experiment with anthropological methods used to research the world's diverse cultures. Students who have taken a previous anthropology course should not enroll in this course. Prerequisite(s): None.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Social Science

ANTH& 104: World Prehistory

EDP,SS- This anthropology survey course introduces students to the origins of human diversity by tracing the origins of humanity and material culture from its ancient beginnings to the first literate societies. Through readings, videos, the Internet, and other materials, students will journey to Africa, Mesopotamia, Asia, India, Europe and the Americas as they learn about human adaptations to both the natural and cultural environments.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Social Science
Prerequisites
Placement into ENGL 95 or above.

ANTH& 204: Archaeology

SS- In this anthropology course, students investigate how anthropological archaeologists reconstruct the human past. Students learn about archaeological process, examine the relationship of archaeology to anthropological concerns, and develop critical thinking skills by evaluating archaeological methodologies and explanatory theories, analyzing archaeological material, and conducting a virtual dig.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Social Science
Prerequisites
Completion of ENGL&101 with a grade of 2.0 or higher.

ANTH& 205: Biological Anthropology

GS, NS- Students in this course will evaluate the origins of humankind, from the earliest primates to modern humans. Students learn the fundamentals of biological evolutionary theory, while exploring the biocultural approach. Students will learn to critically evaluate scientific claims about humankind, recognize human variation, and develop critical thinking skills through the application of essential anthropological approaches, theories, and methods.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Natural Science
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

ANTH& 206: Cultural Anthropology

EDP, GS, IL, SS- Students in this course examine the dimensions of human culture, including kinship, politics, and religion, and evaluate the interrelationships between geography, environment, and cultural forms. Students explore globalization while developing critical thinking skills through the application of essential anthropological approaches, theories, and methods. This course fulfills the integrated learning requirement for the Associate in Integrated Studies degree.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Integrated Learning,
Social Science
Prerequisites
Placement into ENGL 95 or above.

ANTH& 207: Linguistic Anthropology

EDP, SS- This course introduces students to linguistic methods and theories used within anthropology. Students examine the structural features of language, compare human and animal communication, and explore the interaction of culture and language. Linguistic relativism and determinism will be scrutinized, as well as the relationship of language to society, nationalism, and politics.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Social Science
Prerequisites
Completion of ENGL&101 with a grade of 2.0 or higher.

ANTH& 234: Religion and Culture

EDP, SS- In this anthropology course students explore and compare belief systems, encompassing a sample of both tribal and world religions. Learners examine symbolism, rituals, myths, ecological ties, etc., to gain insight into the origins, construction, and intricacies of the world's belief systems. Students also investigate the role of belief systems in the construction of social roles, social distinctions, culture conflict, and cultural change.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Social Science
Prerequisites
Completion of ENGL&101 with a grade of 2.0 or higher.

ANTH& 235: Cross-Cultural Medicine

EDP, GS, SS- Students in this anthropology course adopt a global perspective to explore the ways in which culture impacts health and wellness. Students learn about different cultural approaches to understanding the relationship between the human body and mind, the treatment of physical and mental illness, medical and social models of disability, and medical ethics related to advances in genetic and biomedical research. Students develop their critical thinking skills by evaluating medical anthropology methodology and theoretical approaches, and explore the interrelationships between health, inequality, and globalization. (formerly ANTH 275)
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Social Science
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

ANTH 151: Anthropology of Human Rights

EDP,GS, IL,SS- Students explore global human rights issues from a holistic anthropological perspective, focusing on the various factors (cultural, economic, historical, and political) that prevent and promote the development of social justice and successful pluralistic societies. Learners examine national and international institutions and non-governmental agencies responsible for human rights definition, monitoring, and enforcement. Students investigate human rights case studies by utilizing anthropological methodologies and theories. They also develop critical thinking skills by evaluating human rights solutions and reconciliation. This course includes a community based-learning project and fulfills the integrated learning requirement for the Associate in Integrated Studies degree.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Integrated Learning,
Social Science
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

ART- Art

ART& 100: Art Appreciation

EDP, GS, H- In this course, students examine their own emotional experience of art and think critically about its role in everyday life. We develop visual literacy by critically engaging visual art from around the world to consider distinctions and intersections between cultures, grasp the relationship between art and culture, and examine the social, political, economic, and historical contexts of art. Students examine art in relation to systems of power, privilege, inequality and identity. Students learn the visual elements and principles of artistic expression including shape, light, color, texture, rhythm, motion, traditional and modern pictorial space. Artistic mediums studied include painting, sculpture, functional art, architecture, photography, printmaking, performance art, and computer art.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

ART 110: 2-Dimensional Design

HP- This art foundation course in two-dimensional design takes students from idea to clarifying image. The course is an introduction to visual language, covering the elements and principles of design and their application to diverse imagery from problem identification through alternative solutions to final image presentation. There is an emphasis on critical dialogue regarding the context and content of student creative work.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Humanities,
Humanities Performance
Prerequisites
Placement into ENGL 95 or above.
Lab Supply/Materials Fee $55.00

ART 120: Introduction to Graphic Design

HP- ART 120 is an introduction to the fundamentals of graphic design with an emphasis on the effective use of industry standard graphic design software in visual communication. Students meet course learning outcomes through the mechanics of successful graphic design implementation, including initial idea generation, exploring visual alternatives, creative use of design elements and principles, color theory, images and typography, layout, and project completion. Course structure includes both studio and digital design platforms.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Humanities,
Humanities Performance
Prerequisites
Placement into ENGL 95 or above.
Lab Supply/Materials Fee $55.00

ART 121: Drawing

HP- This beginning drawing course emphasizes skills, observation and translation techniques, and the creative exploration of subject matter. The course emphasizes pictorial form and principles of composition. Students learn fundamental elements of design as they relate to drawing including line, shape, value, texture, form, gesture, perspective, and space. Students develop visual literacy and engage their observational skills and perceptions, while they learn to express individual ideas and feelings in the development of a personal artistic vision.
Prerequisite(s): None.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Humanities,
Humanities Performance
Lab Supply/Materials Fee $55.00

ART 122: Drawing II

HP- This intermediate level drawing course, continues exploration of drawing processes, skills, techniques, and individual creativity. Learners will explore traditional and alternative media and surface materials. Students will communicate their personal expression of imagery, subjects, and mark making to create expressive drawings. There is an emphasis on the presentation of finished work and written analysis of the creative process.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Humanities,
Humanities Performance
Prerequisites
Completion of ART 121 with a grade of 2.0 or higher or instructor permission.
Lab Supply/Materials Fee $55.00

ART 140: Introduction to Animation

ART 140 introduces the fundamentals of animation, with an emphasis on the effective use of digital
animation software and techniques. Students meet course learning outcomes by creating solo and
collaborative animations from still photographs, mixed media, drawings, and/or digital media. The
course introduces the basics of stop-motion animation and the industry-standard software used to
create and edit animated movies. Course structure includes both studio and digital design platforms;
required software is provided via a student license while registered in the course. Students must have access to a personal or campus computer that can run the Adobe Creative Cloud suite of software.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Prerequisites
Co-enrollment in, or successful completion of ENGL 95; OR successful completion of EF/EF-I 65; OR placement into ENGL&101.
Lab Supply/Materials Fee $55.00

ART 220: Beginning Painting

HP- In this beginning art course, learners will explore the use of oil or acrylic paint, along with surface materials and techniques as they relate to painting. Students become familiar with a variety of technical processes and aspects of painting, including creating values, mixing color, brush techniques and paint application. Students develop a personal expression of imagery and subjects to create unique works of art as well as communicate their comprehension of theory. Additional emphasis is placed on presentation of finished work and written analysis of the creative process.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Humanities,
Humanities Performance
Prerequisites
Completion of ART 110, ART 120, OR ART 121 with grade of 2.0 or higher; or instructor permission.
Lab Supply/Materials Fee $55.00

ART 224: Figure Drawing

HP- This art course provides an exploration and description of the human form through the medium of drawing. Using plastic skeletons and live clothed and nude models, students address issues of anatomy, human body and facial proportions, and portraiture in their drawings. Students hone their expressive skills by expanding their drawing techniques and their mastery of compositional structure, using a variety of mediums and formats.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Humanities,
Humanities Performance
Prerequisites
Completion of ART 121 with a grade of 2.0 or higher or instructor permission.
Lab Supply/Materials Fee $55.00

ART 240: Introduction to Printmaking

HP- ART 240 is a beginning studio printmaking course. Students will develop the technical vocabulary and skills to work with the printmaking medium. Printmaking methods surveyed include relief intaglio and monotype. Students will work with multiple and one-of-a-kind images, exploring theoretical and material arguments for both. Image transfer, tool use, inking and press operation are emphasized. Group critiques, collaborative projects and historical, cultural and contemporary perspectives in printmaking are emphasized. Students learn to be technically proficient in each method while developing their individual conceptual and aesthetic goals. Students are encouraged to experiment with and combine different techniques and processes.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Humanities,
Humanities Performance
Prerequisites
Completion of ART 121 with a grade of 2.0 or higher or instructor permission.
Lab Supply/Materials Fee $55.00

ART H 135: Global Perspectives in Art

EDP,GS,H- IIn this course, students explore various visual and performing arts produced by non-western cultures from prehistory to the present. Employing the interdisciplinary methods of visual analysis utilized in Art History, students develop visual literacy and critically engage visual arts from around the world to consider distinctions and intersections between cultures and examine the social, political, economic, and historical contexts of art. Students examine art in relation to systems of power, privilege, inequality, and identity. Subject areas include the visual and performing arts of Asia, South America, Oceania, Indonesia, indigenous cultures of North and South America, Polynesia and the Middle East.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities
Prerequisites
Placement into ENGL 95 or above.

ART H 140: Prehistory to the Renaissance: Survey of Art I

EDP, GS, H- In this course, students explore the major movements and key artistic figures in painting, sculpture, other visual art forms, and architecture from prehistory through the early Italian Renaissance. Employing the interdisciplinary methods of visual analysis utilized in Art History, students develop visual literacy and critically engage visual arts from around the world to consider distinctions and intersections between cultures and examine the social, political, economic, and historical contexts of art. Students examine art in relation to systems of power, privilege, inequality, and identity. Historical periods, cultures, and persistent themes include Neolithic, Egyptian, Asian, Roman, Early Christian, Gothic, Islamic and the representation of gender, race, class, and ethnicity.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities
Prerequisites
Placement into ENGL 95 or above.

ART H 141: Renaissance to Modern: Survey of Art II

EDP, GS, H- In this course, students explore the major movements and key artistic figures in painting, sculpture, other visual art forms, and architecture from the early Italian Renaissance to the end of the 18th Century. Employing the interdisciplinary methods of visual analysis utilized in Art History, students develop visual literacy and critically engage visual arts from around the world to consider distinctions and intersections between cultures and examine the social, political, economic, and historical contexts of art. Students examine art in relation to systems of power, privilege, inequality, and identity. Stylistic periods, cultures, and persistent themes include Classicism, Dynastic China and Japan, European Renaissance, Baroque, Mesoamerica, Rococo, and the representation of gender, race, class, and ethnicity.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Placement into ENGL 95 or above.

ART H 142: The Modern Era: Survey of Art III

EDP, GS, H- In this course, students explore the major movements and key artistic figures in painting, sculpture, alternative visual art forms, and architecture from c. 1780 to the present. Employing the interdisciplinary methods of visual analysis utilized in Art History, students develop visual literacy and critically engage visual and performative arts from around the world to consider distinctions and intersections between cultures and examine the social, political, economic, and historical contexts of art. Students examine art in relation to systems of power, privilege, inequality, and identity. Stylistic periods and persistent themes include Neo-Classicism, Romanticism, Impressionism, Expressionism, Cubism, Pop Art, new media art, and the representation of gender, race, class, and ethnicity.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Placement into ENGL 95 or above.

ASL- American Sign Language

ASL& 121: American Sign Language I

EDP, GS, H- In this course students begin to communicate with others using American Sign Language (ASL) and are introduced to the Deaf culture and community. They learn the vocabulary, grammar and culturally appropriate uses of ASL through natural, everyday conversation situations. This course is video-interactive, allowing students to check their comprehension and to practice signs.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Placement into ENGL 95 or above.

ASL& 122: American Sign Language II

EDP, GS, H- Students further develop their ability to communicate with others using American Sign Language. They will increase their knowledge of ASL culture, signs, and grammatical structures.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Completion of ASL&121 with a grade of 2.0 or higher or placement into ASL&122.

ASL& 123: American Sign Language III

EDP, GS,H- In this course continuing the work of ASL& 122, students further develop their expressive and receptive skills and interpret ASL translations into standard English by adding to vocabulary and grammar knowledge. Students learn more about the various Deaf cultures and Deaf history.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Completion of ASL&122 with a grade of 2.0 or higher; OR placement into ASL&123.

ASTR- Astronomy

ASTR& 100: Survey of Astronomy

NS- In this Astronomy course, students will study the physical characteristics of celestial bodies from our closest neighbor, the moon, to the most distant galaxies. Students will be able to explain how past astronomers investigated the universe and the models and theories they developed to explain their observations. Students will familiarize themselves with recent observations and discover the foundations for modern astronomical theories. Students may take either ASTR& 100 OR ASTR& 101 for credit, but not both.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science
Prerequisites
Completion of MATH 84 or MATH 85 or MFUND 85 with a grade of 2.0 or higher or placement into MATH 95/ &107/ &131/ &132/ &146.

ASTR& 101: Introduction to Astronomy

NSL- In this Astronomy course, students will study the physical characteristics of celestial bodies from our closest neighbor, the moon, to the most distant galaxies. Students will be able to explain how past astronomers investigated the universe and the theories they developed to explain their observations. Students will familiarize themselves with recent observations and discover the foundations for modern astronomical theories. Astronomical observations will be applied through activities, laboratories, and simulations. Students may take either ASTR&100 OR ASTR&101 for credit, but not both. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Natural Science, Natural Science LAB
Prerequisites
Completion of MATH 84 or MATH 85 or MFUND 85 with a grade of 2.0 or higher or placement into MATH 95/ &107/ &131/ &132/ &146.
Lab Supply/Materials Fee $45.00

ASTR& 115: Stars, Galaxies, and Cosmos

NS- This Astronomy course is intended for non-science majors as an introduction to the foundations and current theories of the science of the universe. Black holes, time travel, the Big Bang, and dark matter, will be among the subjects studied. Through various methods students will assess the human understanding of our Universe and analyze the many models created to explain the creation, existence, and end of our Universe. Emphasis will be placed on contemporary scientific theories to include the theory of relativity, quantum theory, and current observations. This class will cover the material without the use of intensive mathematics.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science
Prerequisites
Completion of ENGL 95 with a grade of 2.0 or placement into ENGL&101, AND Completion of MATH or MFUND 75 with a grade of 2.0 or higher or placement into MATH 84 or MATH 85.

ATMS- Atmospheric Science

ATMS 101: The Science of Weather

GS, NSL- This course will explain the nature of weather and climate phenomena by examining the underlying physical and chemical processes that distribute energy and material throughout earth's atmosphere. Students will collaboratively pursue an understanding of pressure systems, fronts, air masses, clouds, storms, and human influences by collection and analysis of real-time and historical data. Basic forecasting, global impacts to and of the atmosphere, and the human role in atmospheric change are common threads throughout the course. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Global Studies,
Natural Science,
Natural Science LAB
Prerequisites
Completion of MATH 84 or MATH 85 or MFUND 85 with a grade of 2.0 or higher or placement into MATH 95/ &107/ &131/ &132/ &146.
Lab Supply/Materials Fee $45.00

BIOL- Biology

BIOL& 170: Human Biology

NS- This non- lab, non-majors biology course is an introduction to the systems of the human body. Topics cover the structure and function of human cells, tissues, organs, and organ systems and relationships between these structures to nutrition, health, disease, genetics, and physical fitness. The evolution of humans is also covered. The course is not intended for science or allied health majors.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science
Prerequisites
Placement into ENGL 95 or above; AND co-enrollment with MATH 84 or MATH 85 or MFUND 85 or placement in MATH 95/ &107/ &131/ &132/ &146 or above.

BIOL& 211: Majors Cellular

NSL- This course is designed for biology and related science majors and enables students to gain deeper knowledge of the process of science, interdisciplinary nature of biology and basic biological principles. Principles include the chemical basis of life, cell structure and function, energy transformation, cell division, Mendelian and molecular genetics. (LAB)
Credits 6
Lecture Hours 55.00
Lab Hours 22
Other Hours 0.00
Total Hours 77.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of CHEM&121, CHEM& 139, or CHEM&161 with a grade of 2.0 or higher; OR co-enrollment in CHEM&161 AND completion of one year of high school chemistry.
Lab Supply/Materials Fee $45.00

BIOL& 212: Majors Animal

NSL- Students in this biology course will be introduced to biological evolution and how it has generated the biodiversity on the planet. Students will examine the major taxa of animals and some protists, focusing on their evolutionary relationships, ecological interactions, and structure-function relationships. Students will examine major organ systems, with an emphasis on comparing mammalian anatomy and physiology to that of other taxa. The laboratory work includes mandatory dissections of dead specimens, including a preserved rat. (LAB)
Credits 6
Lecture Hours 33.00
Lab Hours 66
Other Hours 0.00
Total Hours 99.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of BIOL&211 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $45.00

BIOL& 213: Majors Plant

NSL- Students will examine major taxa of plants, fungi, photosynthetic protists, slime molds, and some bacteria, with an emphasis on their evolutionary relationships, ecological interactions, and structure-function relationships. They will examine principles of population ecology, community ecology, ecosystem ecology, and conservation biology, including the impact of human activities. They will apply scientific methods to a variety of laboratory problems and a term-long project. (LAB)
Credits 6
Lecture Hours 33.00
Lab Hours 66
Other Hours 0.00
Total Hours 99.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of BIOL&211 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $45.00

BIOL& 241: Human Anatomy and Physiology 1

NSL- This is the first course in the two quarter biology sequence of human anatomy and physiology. It will cover in detail the study of anatomy, function, and interrelationships of the organ systems. The laboratory work will include microscopy, work with anatomical models, animal and/or organ dissections, experimental studies of physiological processes, and use of computer software. Topics will include the study of the following: histology, integumentary system, skeletal system, muscular system, nervous system and general and special senses. (LAB)
Credits 6
Lecture Hours 44.00
Lab Hours 44
Other Hours 0.00
Total Hours 88.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of BIOL&211 with a grade of 2.0 or higher; OR (co-enrollment with BIOL& 211 is permitted only if CHEM&121 or CHEM&161 is already completed with a grade of 2.0 or higher.
Lab Supply/Materials Fee $70.00

BIOL& 242: Human Anatomy and Physiology 2

NSL- This is the second course in the two quarter biology sequence of human anatomy and physiology. It will cover in detail the study of anatomy, functions, and interrelationships of the organ systems. The laboratory work will include microscopy, work with anatomical models, animal and/or organ dissections, experimental studies of physiological processes, and use of computer software. Topics will include the study of the following organ systems: cardiovascular, lymphatic (including immunology), respiratory, digestive (with metabolism), urinary, endocrine, and reproductive. (LAB)
Credits 6
Lecture Hours 44.00
Lab Hours 44
Other Hours 0.00
Total Hours 88.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of BIOL&241 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $70.00

BIOL& 260: Microbiology

NSL- This biology course enables students to learn and practice the scientific method as they develop an appreciation of the diversity and complexity of the microbial world. Students will learn the basic principles of structure and function of prokaryotic and eukaryotic microorganisms, as well as viruses, and how this relates to cellular processes, human disease, evolution, and the environment we live in. In the lab, students will learn standard methods of isolating, assessing, and identifying microorganisms. (LAB)
Credits 5
Lecture Hours 33.00
Lab Hours 44
Other Hours 0.00
Total Hours 77.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of BIOL&211 with a grade of 2.0 or higher; AND CHEM&121 or CHEM&161 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $100.00

BIOL 120: Survey of the Kingdoms

NSL,SU- This course is an introduction to the vast diversity of life on Earth and the evolutionary processes that shape how organisms adapt to their environments. Students will explore ecological relationships among species, investigate the impact of humans on species and ecosystems, and connect biological concepts to everyday life and sustainability. Students will engage in the process of science through hands-on laboratory experiences, developing skills in observation, data collection and analysis, and the use of scientific tools such as microscopes and field guides. This course is intended for students not majoring in the sciences and does not fulfill prerequisites for other BIOL courses. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Natural Science,
Natural Science LAB,
Sustainability
Prerequisites
Placement into ENGL 95 or above.
Lab Supply/Materials Fee $45.00

BIOL 165: Life: Origins and Adaptations

NS- Students will study evolution as an example of a scientific theory developed from scientific methods. They will learn the processes of evolutionary biology, including natural selection, genetics, speciation, and extinction, and examine how these processes have given rise to the adaptations and diversity of life on Earth. Students will apply concepts of evolutionary biology to case studies.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science
Prerequisites
Placement into ENGL 95 or above; AND co-enrollment with MATH 84 or MATH 85 or MFUND 85 or placement in MATH 95/ &107/ &131/ &132/ &146 or above.

BIOL 320: Biodiversity

This biology course explores topics in biodiversity within the context of sustainability. Students will identify local species, and use ecological sampling techniques and analyses to assess local biodiversity. Students will examine how living organisms interact with each other and their environment. Students will discuss the value of biodiversity from multiple perspectives, learn how humans have affected natural systems, and explore ideas to ameliorate and/or prevent environmental degradation. This course may include off-site visits. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Prerequisites
Admission to the BAS-SP program, OR permission from the BAS-SP program administrator.
Lab Supply/Materials Fee $70.00

BSTEC-Business Info Technology

BSTEC 100: Computer Keyboarding

RE- Introduction to computer keyboard touch-typing. A computer with a standard US keyboard and internet access is required. NOTE: Placement into ENGL 95, some computer experience, and ability to navigate the web are recommended. Prerequisite(s): None
Credits 3
Lecture Hours 33.00
Lab Hours 0
Other Hours 0.00
Total Hours 33.00

BSTEC 109: Word Processing (MS Word)

RE- This course teaches the fundamentals of Microsoft Word for use in a professional or academic setting. Opportunity to earn the Microsoft Office Specialist Word Certification included in coursework. Prerequisite(s): None
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Lab Supply/Materials Fee $22.50

BSTEC 110: Business Communications

RE- Format emails, letters, and oral presentations using business style and strategy. Editing, collaboration, and diversity are emphasized, as well as written and oral communication. Prerequisite(s): None
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

BSTEC 129: Computer Basics

RE- This course presents a basic overview of computer concepts and skills. Topics include computer hardware, software, and file management; internet navigation, online learning, and email; word processing with Microsoft Word. NOTE: Placement into ENGL 95, some computer experience, and ability to navigate the web are recommended. Prerequisite(s): None
Credits 3
Lecture Hours 33.00
Lab Hours 0
Other Hours 0.00
Total Hours 33.00
Lab Supply/Materials Fee $59.45

BSTEC 130: Computer Fundamentals

RE- Introduction to computer concepts, applications, and the internet using a Windows operating system and Microsoft Office applications including Word, Access, Excel, and PowerPoint. NOTE: It is recommended that students be comfortable with keyboarding, accessing, and navigating the internet, sending and receiving email, and downloading and saving files. Prerequisite(s): None
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

BSTEC 210: Microsoft Outlook

RE- This class teaches the fundamentals of Microsoft Outlook for use in a personal or professional setting. Opportunity to earn Microsoft Office Specialist Certification in Outlook included in coursework. Previous computer experience in the Windows environment recommended. Note: Registration permitted first seven weeks (six in summer) as space is available. Prerequisite(s): None
Credits 2
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00
Total Hours 22.00
Lab Supply/Materials Fee $50.10

BSTEC 211: PowerPoint Projects

RE- This course uses Microsoft PowerPoint to teach the fundamentals of presentation software for a professional audience. Opportunity to earn Microsoft Office Specialist PowerPoint Certification included in coursework. Prerequisite(s): None
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Lab Supply/Materials Fee $22.50

BSTEC 213: Advanced Word Projects

RE- Comprehensive study of the advanced functions of Microsoft Word. Opportunity to earn the Microsoft Word Expert Certification available in coursework. Completion of BSTEC 109 or previous Microsoft Word experience is recommended. Prerequisite(s): None
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

BSTEC 222: Database (Microsoft Access)

RE- Intermediate and advanced database functions using Microsoft Access. Opportunity to earn Microsoft Office Access Expert Certification included in coursework. Computer with current version of Windows OS and Office (or 365) required. Completion of BSTEC 130 is recommended. Prerequisite(s): None
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Lab Supply/Materials Fee $22.50

BSTEC 224: Spreadsheet (Microsoft Excel)

RE- This course teaches the fundamentals of Microsoft Excel for use in a professional or academic setting. Opportunity to earn the Microsoft Office Specialist Excel Certification included in coursework. Completion of BSTEC 130, or previous experience with Excel is recommended.
Prerequisite(s): None
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Lab Supply/Materials Fee $22.50

BSTEC 225: Advanced Excel Projects

RE- Comprehensive study of the advanced functions of Microsoft Excel. Microsoft Excel Expert Certification Exam available. NOTE: Completion of BSTEC 224 and a college-level MATH course are strongly recommended.
Prerequisite(s): None
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

BSTEC 243: Advanced Microsoft Office Projects

RE- Advanced course for students familiar with Microsoft Office programs. Create and integrate Word, Excel, Access, and PowerPoint documents to build a professional portfolio. BSTEC 109 and BSTEC 224 or equivalent experience are recommended.
Prerequisite(s): None
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Lab Supply/Materials Fee $27.60

BSTEC 260: Supervision and Management

RE- Introduction to office and employee management. Topics include supervision and communication skills that are necessary to work in a diverse office. BSTEC 110 and BSTEC 130 or strong grammar and computer knowledge are recommended.
Prerequisite(s): None
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Lab Supply/Materials Fee $59.45

BSTEC 294: Career Management

RE- Assess employment skills, develop a resume and letters of application, videotape employment interviews, and practice job search strategies. Includes development of a portfolio. Prerequisite(s): None
Credits 3
Lecture Hours 33.00
Lab Hours 0
Other Hours 0.00
Total Hours 33.00

BUS- Business

BUS& 101: Introduction to Business

GS, SS, SU- Students explore the role played by business enterprises from an economic and societal perspective, then proceed to explore the management of business organizations, both overall and within each of the essential functions: planning, human resources, marketing, finance, and accounting. Additional topics may include business ethics, business law, entrepreneurship, social responsibility, international business, personal finance, and/or the social enterprise. As a capstone project, students will work in teams to develop business plans for proposed new business ventures. The course is intended to offer a framework for the further study of business or to provide workplace context.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Social Science,
Sustainability
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

BUS& 201: Business Law

SS- This course examines the legal institutions, structures, and processes that impact and regulate business activity in the United States. Students examine law as a system that responds to changing societal beliefs and behavior and through its use adjudicates changing. Legal reasoning, contracts, product liability, and criminal and civil law are areas that will be explored.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Social Science
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

BUS 480: Sustainable Business Practices

Students explore the societal and environmental impacts of business enterprises. Organizations will be examined within their economic, political, and social context. Organizational development and management strategies will be analyzed in terms of current and future impacts on stakeholders including investors, customers, employees, suppliers, communities, and the environment. Additional topics include traditional elements of business management such as decision making, strategic planning, organizational behavior, human resources management, marketing, accounting, and finance. Students will work in teams to develop business plans for proposed new social enterprise business ventures. BUS&101 is recommended, but not required.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-SP program, OR permission from the BAS-SP program administrator.

CCF-College Career Foundations

ABE 96: Special Topics in Fitness for HS+

This ABE course enables students to earn fitness or elective credits for the HS+ and Adult High School Completion programs. Students will work with the instructor to meet WA State OSPI fitness standards through activities that include assessing their current fitness level, examining different aspects of personal fitness, developing a personal fitness plan, and reflecting on their completion of that plan. Prerequisite(s): Placement by College and Career Foundations staff or faculty.
Credits 1
-5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

ABE 97: Special Topics in Health for HS+

This ABE course enables students to earn health or elective credits for the Adult High School Completion programs. Students will work with the instructor to meet WA State OSPI health standards through activities that include examining different factors of health, then developing, completing, and reflecting on a personal wellness plan. Prerequisite(s): Placement by College and Career Foundations staff or faculty.
Credits 1
-5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

ABE 98: Special Topics in Occupational Education: HS+

This ABE course enables students to earn occupational education or elective credits for the HS+ and Adult High School Completion programs. Students will work with the instructor to complete WA State OSPI occupational education standards through activities that include planning career objectives, assessing career readiness, and reflecting on their career planning. Students will determine their educational and occupational goals and work toward those goals through investigating career pathways, acquiring employability and leadership skills, and developing the technology skills needed for the workplace. Prerequisite(s): Placement by College and Career Foundations staff or faculty.
Credits 1
-5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

ABE 99: Special Topics in Civics for HS+

This ABE course enables students to earn Civics or elective credits for the HS+ and Adult High School Completion programs. Students will work with the instructor to meet WA State OSPI Civics standards through activities that include learning about their local representatives, researching a federal, state or local civic issue, and volunteering with a local organization. Prerequisite(s): Placement by College and Career Foundations staff or faculty.
Credits 1
-5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

EF 15: Low-Beginning English Communication

In this course, students will develop basic English communication skills. Students will learn to communicate through reading, writing, listening, speaking, and grammar in context to prepare for the next steps of their college or career goals. These outcomes correspond to College and Career Readiness Standards for Adult Education Level A-B.
Credits 10
Lab Hours 0
Other Hours 0.00
Total Hours 110.00

EF 17: Low-Beginning Reading

In this course, students will be introduced to basic English reading skills. Students will learn to apply basic reading skills and strategies to a variety of adapted texts while developing their vocabulary and participating in discussion. Students will read texts on a variety of topics. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00

EF 18: Low-Beginning Speaking and Listening

In this course, students will develop basic English speaking and listening skills. They will improve their ability to make simple statements and ask and answer questions about daily life topics. Students will develop their fluency, comprehension, pronunciation, and conversation skills. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lab Hours 55
Other Hours 0.00

EF 19: Low-Beginning Writing & Grammar

In this course, students will develop basic English writing and grammar skills. Students will write sentences for a variety of purposes. Students will improve their knowledge and use of English grammar, sentence structure, and vocabulary in their writing. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00

EF 25: Beginning English Communication

In this course, students will develop beginning English communication skills. Students will learn to communicate effectively through reading, writing, listening, speaking, and grammar in context to prepare for the next steps of their college or career goals. These outcomes correspond to College and Career Readiness Standards for Adult Education Level A-B. Prerequisite(s): Placement into EF 25, or by College and Career Foundations staff or faculty.
Credits 10
Lecture Hours 110.00
Lab Hours 0
Other Hours 0.00
Total Hours 110.00

EF 27: Beginning Reading

In this course, students will be introduced to beginning English reading skills. Students will learn to apply basic reading skills and strategies to a variety of adapted texts while developing their vocabulary and participating in discussion. Students will read texts on a variety of topics. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Concurrent enrollment in EF 25 or ESL 30.

EF 28: Beginning Speaking and Listening

In this course, students will develop beginning English speaking and listening skills. They will improve their ability to make simple statements and ask and answer questions about daily life topics. Students will develop their fluency, comprehension, pronunciation, and conversation skills. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Concurrent enrollment in EF 25 or ESL 30.

EF 29: Beginning Writing and Grammar

In this course, students will develop beginning English writing and grammar skills. Utilizing the writing process, students will write sentences and will be introduced to basic paragraph structure. Students will improve their knowledge and use of English grammar, sentence structure, and vocabulary in their writing. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Concurrent enrollment in EF 25 or ESL 30.

EF 35: Low-Intermediate English Communication

In this course, students will develop low-intermediate English communication skills. Students will learn to communicate effectively through reading, writing, listening, speaking, and grammar in context to prepare for the next steps of their college or career goals. These outcomes correspond to College and Career Readiness Standards for Adult Education Level B-C. Prerequisite(s): Successful completion of appropriate Level 2 course(s), or placement into EF 35. Placement is determined by College and Career Foundations staff or faculty.
Credits 10
Lecture Hours 110.00
Lab Hours 0
Other Hours 0.00
Total Hours 110.00

EF 37: Low-Intermediate Reading

In this course, students will develop low-intermediate English reading skills. Students will learn to apply reading skills and strategies to a variety of adapted texts while developing their vocabulary and participating in discussion. Students will read texts on a variety of topics. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Concurrent enrollment in EF 35 or ESL 40.

EF 38: Low-Intermediate Speaking and Listening

In this course, students will develop low-intermediate English speaking and listening skills. They will improve their ability to converse about a range of topics and participate in group discussions. Students will further develop their fluency, comprehension, pronunciation, and conversation skills. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Concurrent enrollment in EF 35 or ESL 40.

EF 39: Low-Intermediate Writing & Grammar

In this course, students will develop low-intermediate English writing and grammar skills. Utilizing the writing process, students will write sentences and paragraphs for a variety of purposes. Students will improve their knowledge and use of English grammar, paragraph structure, and vocabulary in their writing. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Concurrent enrollment in EF 35 or ESL 40.

EF 45: Intermediate English Communication

In this course, students will develop intermediate English communication skills. Students will learn to communicate effectively through reading, writing, listening, speaking, and grammar in context to prepare for the next steps of their college or career goals. These outcomes correspond to College and Career Readiness Standards for Adult Education Level C-D. Prerequisite(s): Successful completion of appropriate Level 3 course(s), or placement into EF 45. Placement is determined by College and Career Foundations staff or faculty.
Credits 10
Lecture Hours 110.00
Lab Hours 0
Other Hours 0.00
Total Hours 110.00

EF 47: Intermediate Reading

In this course, students will develop intermediate English reading skills. Students will learn to apply reading skills and strategies to a variety of adapted texts while developing their vocabulary and participating in discussion. Students will read texts on a variety of topics and genres. This course will help prepare students for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Concurrent enrollment in EF 45 or ESL 50.

EF 48: Intermediate Speaking and Listening

In this course, students will develop intermediate speaking and listening skills in English. They will improve their ability to express their opinions and participate in group discussions on academic and non-academic topics. Students will further develop their fluency, comprehension, pronunciation, critical thinking, formal presentation skills, and conversation skills. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Concurrent enrollment in EF 45 or ESL 50.

EF 49: Intermediate Writing & Grammar

In this course, students will develop intermediate English writing and grammar skills. Utilizing the writing process, students will write well-developed paragraphs and will be introduced to multi-paragraph essays using a variety of styles. Students will improve their knowledge and use of English grammar, paragraph structure, and vocabulary in their writing. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Concurrent enrollment in EF 45 or ESL 50.

EF 50: English in Context- Fine Arts

In this course, students will learn about topics relating to fine arts by reading primary sources and learning from other types of media. In addition, students will prepare written artifacts which require critical thinking skills, understanding of content, writing mechanics, grammar, spelling, and vocabulary. Students will also build public speaking skills by doing presentations. This course will help prepare students for the high school equivalency examinations in Reasoning Through Language Arts or earn high school completion credits in English and Science. It will also offer opportunities for students to increase English language skills contextually with topics relating to fine arts. These outcomes correspond to College and Career Readiness Standards for Adult Education Level D-E.
Prerequisite(s): Successful completion of appropriate Level 4 course(s), or placement into EF 50. Placement is determined by College and Career Foundations staff or faculty.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF 51: English in Context- Washington State History

In this course, students will learn a general overview of Washington (WA) State history. Students will gain knowledge by reading primary sources learning from other types of media. In addition, students will prepare written artifacts which require critical thinking skills, understanding of content, writing mechanics, grammar, spelling, and vocabulary. Students will also build public speaking skills by doing presentations. This course will help prepare students for the high school equivalency examinations in Reasoning Through Language Arts and Social Studies or earn high school completion credits in English and WA State History. It will also offer opportunities for students to increase English language skills contextually with WA state history. These outcomes correspond to College and Career Readiness Standards for Adult Education Level D-E.
Prerequisite(s): Successful completion of appropriate Level 4 course(s), or placement into EF 51. Placement is determined by College and Career Foundations staff or faculty.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF 52: English in Context- United States History

In this course, students will learn a general overview of United States (US) history. Students will gain knowledge by reading primary sources documents and learning from other sources of media. In addition, students will prepare written artifacts which require critical thinking skills, understanding of content, writing mechanics, grammar, spelling, and vocabulary. Students will also build public speaking skills by doing presentations. This course will help prepare students for the high school equivalency examinations in Reasoning through Language Arts and Social Studies or earn high school completion credits in English and US History. It will also offer opportunities for students to increase English language skills contextually with US history. These outcomes correspond to College and Career Readiness Standards for Adult Education Level D-E.
Prerequisite(s): Successful completion of appropriate Level 4 course(s), or placement into EF 52. Placement is determined by College and Career Foundations staff or faculty.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF 53: English in Context- Current World Issues

In this course, students will learn about a number of current world issues by reading primary sources and learning from other sources of media. In addition, students will prepare written artifacts which require critical thinking skills, understanding of content, writing mechanics, grammar, spelling, and vocabulary. Students will also build public speaking skills by doing presentations. This course will help prepare students for the high school equivalency examinations in Reasoning Through Language Arts and Social Studies or earn high school completion credits in English and Current World Issues. It will also offer opportunities for students to increase English language skills contextually with current world issues. These outcomes correspond to College and Career Readiness Standards for Adult Education Level D-E.
Prerequisite(s): Successful completion of appropriate Level 4 course(s), or placement into EF 53. Placement is determined by College and Career Foundations staff or faculty.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF 54: English in Context- Civics and Government

In this course, students will learn about US Civics and Government by reading primary sources and learning from other sources of media. In addition, students will prepare written artifacts which require critical thinking skills, understanding of content, writing mechanics, grammar, spelling, and vocabulary. Students will also build public speaking skills by doing presentations. This course will help students prepare for the high school equivalency examinations in Reasoning Through Language Arts and Social Studies or earn high school completion credits in English and Civics/Government. It will also offer opportunities for students to increase English language skills contextually with topics relating to civics and the US government. These outcomes correspond to College and Career Readiness Standards for Adult Education Level D-E. Prerequisite(s): Successful completion of appropriate Level 4 course(s), or placement into EF 54. Placement is determined by College and Career Foundations staff or faculty.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF 55: English in Context- Environmental Science

In this course, students will learn about environmental science and sustainability by reading primary sources and learning from other sources of media. In addition, students will prepare written artifacts which require critical thinking skills, understanding of content, writing mechanics, grammar, spelling, and vocabulary. Students will also build public speaking skills by doing presentations. This course will help students prepare for the high school equivalency examinations in Reasoning Through Language Arts and Science, or earn high school completion credits in English and Science. It will also offer opportunities for students to increase English language skills contextually with topics relating to environmental science as they relate to topics on sustainability. These outcomes correspond to College and Career Readiness Standards for Adult Education Level D-E. Prerequisite(s): Successful completion of appropriate Level 4 course(s), or placement into EF 55. Placement is determined by College and Career Foundations staff or faculty.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF 56: English in Context- General Science

In this course, students will learn about topics relating to general science and sustainability by reading primary sources and learning from other types of media. In addition, students will prepare written artifacts which require critical thinking skills, understanding of content, writing mechanics, grammar, spelling, and vocabulary. Students will also build public speaking skills by doing presentations. This course will help prepare students for the high school equivalency examinations in Reasoning Through Language Arts and Science, or earn high school completion credits in English and Science. It will also offer opportunities for students to increase English language skills contextually with topics relating to general science and sustainability. These outcomes correspond to College and Career Readiness Standards for Adult Education Level D-E. Prerequisite(s): Successful completion of appropriate Level 4 course(s), or placement into EF 56. Placement is determined by College and Career Foundations staff or faculty.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF 57: High-Intermediate Reading

In this course, students will develop high-intermediate reading skills in English. Students will learn to apply reading and vocabulary skills and strategies to a variety of authentic and adapted texts while developing their vocabulary and participating in discussion. Students will read texts from a variety of genres and academic disciplines. This course will help prepare students for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF 58: High-Intermediate Speaking and Listening

In this course, students will develop high-intermediate English speaking, listening, and lecture note-taking skills. They will improve their ability to express their opinions and participate in group discussions on academic and non-academic topics. Students will further develop their fluency, comprehension, critical thinking, formal presentation skills, and note-taking. This course will help students prepare for the next steps in the educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF 59: High-Intermediate Writing & Grammar

In this course, students will develop high-intermediate English writing and grammar skills. Utilizing the writing process, students will write well-developed paragraphs and multi-paragraph essays using a variety of styles. Students will improve their knowledge and use of English grammar, paragraph and essay structure, and vocabulary in their writing. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF 65: Advanced Reading and Writing

In this course, students will develop advanced academic English reading and writing skills for success in college-level classes and the workplace. Students will apply reading strategies to a variety of authentic texts, while developing their vocabulary and annotation skills and participating in partner and group discussions. Students will create a variety of artifacts using the writing process and applying critical thinking skills and learned grammar from course texts. Written artifacts will include an instructor-guided research paper and assignments that combine purposes and styles. Course activities and assignments are designed to help students prepare for their next steps in their educational or career goals. This course will also prepare students for the high school equivalency examinations in Reasoning Through Language Arts or earn high school completion credits in English. These outcomes correspond to College and Career Readiness Standards for Adult Education Level E. Prerequisite(s): Successful completion of appropriate Level 5 course(s), or placement into EF 65. Placement is determined by College and Career Foundations staff or faculty.
Credits 10
Lecture Hours 110.00
Lab Hours 0
Other Hours 0.00
Total Hours 110.00

ESL 9: ESL Literacy

This English as a Second Language (ESL) course introduces beginning literacy skills to students who have no or limited ESL experience and/or have not completed 9th grade in any country. Students will learn the letters and sounds of the English alphabet and develop phonemic awareness and word recognition. They will build skills to communicate through reading, writing, listening, and speaking to prepare for essential situations in daily life. Note: Credits for this course are not transferable, nor do they apply to any college degree or certificate. Placement by College and Career Foundations staff or faculty. Permission determined by verification of: Placement into ESL 009.
Credits 1
-18
Lecture Hours 11.00
Lab Hours 0
Other Hours 0.00
Total Hours 11.00

ESL 10: ESL Communication 1

This course introduces beginning English literacy skills. Students will learn to communicate through reading, writing, listening, and speaking to prepare for essential situations in daily life. NOTE: Credits for this course are not transferable, nor do they apply to any college degree or certificate. Prerequisite(s): Placement in ESL 010.
Credits 1
-18
Lecture Hours 11.00
Lab Hours 0
Other Hours 0.00
Total Hours 11.00

ESL 20: ESL Communication 2

This English as a Second Language (ESL) course introduces low-beginning English communication skills. Students will learn to communicate independently through reading, writing, listening, and speaking to prepare for the next steps of their education or career goals. These outcomes align with and prepare students for Level A of the College and Career Readiness Standards for Adult Education. NOTE: Credits for this course are not transferable, nor do they apply to any college degree or certificate.
Credits 1
-18
Lecture Hours 11.00
Lab Hours 0
Other Hours 0.00
Total Hours 11.00
Prerequisites
Completion of ESL 10 with a grade of 2.0 or higher, or placement by testing in ESL 20.

ESL 30: ESL Communication 3

This English as a Second Language (ESL) course introduces high-beginning English communication skills. Students will learn to communicate independently through reading, writing, listening, and speaking to prepare for the next steps of their education or career goals. These outcomes correspond to College and Career Readiness Standards for Adult Education Level A. NOTE: Credits for this course are not transferable, nor do they apply to any college degree or certificate.
Credits 1
-18
Lecture Hours 11.00
Lab Hours 0
Other Hours 0.00
Total Hours 11.00
Prerequisites
Completion of ESL 20 with a grade of 2.0 or higher, or placement by testing in ESL 30.

ESL 40: ESL Communication 4

This English as a Second Language (ESL) course introduces intermediate English communication skills. Students will learn to communicate independently through reading, writing, listening, and speaking to prepare for the next steps of their education or career goals. These outcomes correspond to College and Career Readiness Standards for Adult Education Level B. NOTE: Credits for this course are not transferable, nor do they apply to any college degree or certificate.
Credits 1
-18
Lecture Hours 11.00
Lab Hours 0
Other Hours 0.00
Total Hours 11.00
Prerequisites
Completion of ESL 30 with a grade of 2.0 or higher, or placement by testing in ESL 40.

ESL 50: ESL Communication 5

This English as a Second Language (ESL) course introduces high-intermediate English communication skills. Students will learn to communicate independently through reading, writing, listening, and speaking to prepare for the next steps of their education or career goals. These outcomes correspond to College and Career Readiness Standards for Adult Education Level C. NOTE: Credits for this course are not transferable, nor do they apply to any college degree or certificate.
Credits 1
-18
Lecture Hours 11.00
Lab Hours 0
Other Hours 0.00
Total Hours 11.00
Prerequisites
Completion of ESL 40 with a grade of 2.0 or higher, or placement by testing in ESL 50.

MFUND 55: Math Fundamentals

This math foundations course introduces mathematical operations to solve problems using whole numbers, fractions, decimals, and percentages. Learners will be able to read, write, interpret, and apply numbers and symbolic information for problem solving. These outcomes correspond to College and Career Readiness for Adult Education Levels B-D. This course prepares students for MFUND 75 and 85, GED, or HS21+. NOTE: Credits for this course are not transferable, nor do they apply to any college degree or certificate. Prerequisite(s): Placement by College and Career Foundations staff or faculty.
Credits 1
Lecture Hours 11.00
Lab Hours 0
Other Hours 0.00
Total Hours 11.00

MFUND 75: Math Fundamentals - Integrated Math I

This course reviews arithmetic skills and introduces algebraic notation, rules, and concepts. Students explore linear relationships, with an emphasis on graphing and modeling data. Simplifying expressions and solving basic equations are also discussed. Learning to study math successfully, gaining confidence in approach and accuracy, and using a variety of ways of thinking about a single situation are outcomes for learners who take this course. Applications to real life are emphasized. NOTE: Credits for this course are not transferable, nor do they apply to any college degree or certificate.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Placement into ENGL 95 or above, AND Completion of MFUND 55 with a grade of 2.0 or higher or placement into MATH 75.

MFUND 84: Condensed Essentials of Intermediate Algebra

This course is a condensed version of MFUND 85 designed for students who need a refresher of Essentials of Intermediate Algebra topics in order to be ready for MATH 95, &107, &146, &131, &132. Students who placed into MATH 095 or higher may also be interested in taking this course in order to refine essential skills. A scientific calculator is required. Grading for this course is pass/fail only.

NOTE: Credits for this course are not transferable, nor do they apply to any college degree or certificate.
Credits 2
-3
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00
Total Hours 22.00
Prerequisites
Placement by Basic Education for Adults staff or faculty. Permission determined by verification of: Placement into ENGL 95 or above; AND Completion of MATH or MFUND 75 with a grade of 2.0 or higher, or placement into MATH 84 or MATH 85.

MFUND 85: Math Fundamentals - Integrated Math II

This course focuses on algebraic thinking and manipulation. Students will study various types of functions, including linear, exponential, and logarithmic. Graphical and algebraic representations of each type of function is discussed, as well as solving authentic situations with equations. Solving linear systems both graphically and algebraically, exponent properties, and polynomial operations are included. Modeling and interpreting data is emphasized. Learners will develop study skills and habits, collaborative learning skills, and the ability to express math in many forms while working with both abstract and real world applications. NOTE: Credits for this course are not transferable, nor do they apply to any college degree or certificate.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH or MFUND 75 with a grade of 2.0 or higher, or placement into MATH 84 or MATH 85.

MFUND 95: Algebra for Precalculus

This course builds on the knowledge developed in MATH 85 and prepares students to take Precalculus classes. The study of functions is expanded to quadratic, rational, and radical models including graphical and equation representations. Modeling and interpreting data is emphasized. Learners will continue to refine study skills and habits, team skills, logic, and the ability to express math visually, symbolically, and in written forms while working with both abstract and real world applications. NOTE: Credits for this course are not transferable, nor do they apply to any college degree or certificate.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH 84 or MATH 85 or MFUND 85 or above with a grade of 2.0 or higher, or placement into MATH 95/ &107/ &131/ &132/ &146.

CHEM- Chemistry

CHEM& 105: Chemical Concepts: Your Global Environment

GS, NS- This non-lab, non-majors chemistry course is an introduction to the chemistry involved in our global environment. Chemical concepts are applied to current topics such as the chemistry of air, water, climate change, and energy, formulation of consumer products and materials, and essentials of biochemistry. This course is designed for students with little or no chemistry background. It is not intended for science majors and cannot be used as a prerequisite to other CHEM courses.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Natural Science
Prerequisites
Placement into ENGL 95 or above; AND co-enrollment with MATH 84 or MATH 85 or MFUND 85 or placement in MATH 95/ &107/ &131/ &132/ &146 or above.

CHEM& 121: Introduction to Chemistry

NSL- From consumer products to space age technologies, chemistry affects our daily lives. In this course, students will learn the structure of matter and how it behaves under various conditions in order to better understand the chemical world. Designed for students with little or no chemistry background, this course can stand alone or be followed by CHEM&131; and does not meet the prerequisite for CHEM&161. Laboratory activities extend lecture concepts and introduce the student to the experimental process. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of MATH 94 or MATH 95, or MATH&107, or MATH&146, or MATH&131, or MATH&132 with a grade of 2.0 or higher; OR placement into MATH&141or MATH 147 or above.
Lab Supply/Materials Fee $45.00

CHEM& 131: Introduction to Organic Chemistry & Biochemistry

NSL- Organic chemistry and biochemistry is dedicated to the unique bonding characteristics and properties of compounds containing carbon. Students will learn the structure, properties and reactions of various organic compounds, including hydrocarbons, alcohols, aldehydes, ketones, carboxylic acids and amines. Students will use this information as foundation for examining complex compounds found in living systems: carbohydrates, lipids, proteins, and nucleic acids. Laboratory activities extend lecture concepts and introduce the student to analysis and separation techniques. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of CHEM&121 or CHEM&161 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $70.00

CHEM& 139: General Chemistry Preparation

NS- This course is intended for students who have not completed one year of chemistry at the high school level and who plan to enroll in the CHEM&161, CHEM&162, CHEM&163 sequence. Students will learn the symbolism and language of chemistry, quantitative relationships that are practiced in general chemistry, and techniques of quantitative and collaborative problem solving. This course satisfies the chemistry prerequisite for CHEM&161. Although laboratory concepts are introduced, this course does not satisfy a laboratory science requirement.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science
Prerequisites
Completion of MATH 95 or above with a grade of 2.0 or higher, or placement into MATH&141 or above.

CHEM& 161: General Chemistry with Lab I

NSL- In this first in a three-quarter general chemistry sequence for science and engineering majors, students explore structure and behavior of matter, chemical and physical properties and processes, modern theory of atomic structure, trends in the periodic table, bonding, molecular shapes, intermolecular forces, and chemical reactions. Laboratory extends content, emphasizes safety and critical thinking about experimental uncertainty, and introduces elements of chemical research. Prior introductory chemistry is recommended, such as one year of high school chemistry or CHEM& 139. (LAB)
Credits 6
Lecture Hours 44.00
Lab Hours 44
Other Hours 0.00
Total Hours 88.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of CHEM&139 with a grade of 2.0 or higher; OR Completion of MATH&141 or MATH 147 with a grade of 2.0 or higher, or placement into MATH&142 or above
Lab Supply/Materials Fee $45.00

CHEM& 162: General Chemistry With Lab II

NSL-In this second in a three-quarter general chemistry sequence for science and engineering majors, students explore mass and energy relationships, and the behaviors of solids, liquids, gases, and solutions. Entropy and Free Energy are used to understand spontaneous chemical processes. Laboratory extends content, emphasizes safety and critical thinking, and introduces elements of chemical research. (LAB)
Credits 6
Lecture Hours 44.00
Lab Hours 44
Other Hours 0.00
Total Hours 88.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of CHEM&161 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $45.00

CHEM& 163: General Chemistry with Lab III

NSL- In this third in a three-quarter general chemistry sequence for science and engineering majors, students use equilibrium, kinetics and thermodynamics with applications in acid-base chemistry and electrochemical cells. Concepts and applications in nuclear and biochemistry are introduced. Laboratory extends content, emphasizing experimental design, analysis, project activity, communication of results, and safety. (LAB)
Credits 6
Lecture Hours 44.00
Lab Hours 44
Other Hours 0.00
Total Hours 88.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of CHEM&162 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $45.00

CHEM& 241: Organic Chemistry I

NS- This course is an introduction to the chemistry of carbon-containing compounds for students taking three quarters of organic chemistry. Students will learn the identification, nomenclature, structure, and properties of the main types of organic compounds. Students will also be introduced to the main elementary mechanistic steps of organic chemical reactions and examine the proton transfer elementary step.
Credits 4
Lecture Hours 44.00
Lab Hours 0
Other Hours 0.00
Total Hours 44.00
Distributions & Designations
Natural Science
Prerequisites
Completion of CHEM&163 with a grade of 2.0 or higher.

CHEM& 242: Organic Chemistry II

NS- This is the second course for students planning to take three quarters of organic chemistry. Students learn how to utilize instrumental methods to determine structures of organic compounds. Students expand their knowledge of organic reactions mechanisms and begin using retrosynthetic techniques to construct synthetic schemes for target compounds. Concurrent enrollment in the lab component is required.
Credits 4
Lecture Hours 44.00
Lab Hours 0
Other Hours 0.00
Total Hours 44.00
Distributions & Designations
Natural Science
Prerequisites
Completion of CHEM&241 with a grade of 2.0 or higher; and co-enrollment in CHEM 254.

CHEM& 243: Organic Chemistry III

NS- This is the third course for students planning to take three quarters of organic chemistry. Students continue the use of a mechanistic approach to understand and predict transformations facilitated by additional elementary mechanisms and combinations of elementary mechanisms. Concurrent enrollment in the lab component (CHEM 255) is required.
Credits 4
Lecture Hours 44.00
Lab Hours 0
Other Hours 0.00
Total Hours 44.00
Distributions & Designations
Natural Science
Prerequisites
Completion of CHEM&242 and CHEM 254 with grades of 2.0 or higher; AND Co-enrollment in CHEM 255.

CHEM 157: Learning Strategies for Biology and Chemistry

NS- This course is designed for any student wishing to sharpen their problem-solving and reasoning skills in preparation for taking a laboratory science course, such as Biology, Physics, or Chemistry. Students in CHEM 157 will work together to solve authentic problems using proportional thinking, unit conversions, and analysis skills. Students will be introduced to fundamental laboratory skills including use of instrumentation and glassware, collection and analysis of data using graphing and spreadsheet software. This course takes a case-study, hands-on approach to instruction.
Credits 2
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00
Total Hours 22.00
Distributions & Designations
Natural Science
Prerequisites
Completion of MATH 84 or MATH 85 or MFUND 85 with a grade of 2.0 or higher or placement into MATH 95/ &107/ &131/ &132/ &146.

CHEM 254: Organic Chemistry Lab A

NSL- This chemistry course introduces the student to the theory and practice of standard organic laboratory techniques, including preparation, purification, and analysis of representative compounds. Laboratory activities illustrate lecture concepts and must be taken concurrently with CHEM&242. (LAB)
Credits 3
Lecture Hours 11.00
Lab Hours 44
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of CHEM&241 with a grade of 2.0 or higher; AND Co-enrollment in CHEM&242.
Lab Supply/Materials Fee $100.00

CHEM 255: Organic Chemistry Lab B

NSL- This chemistry course is a continuation of CHEM 254 in which students perform advanced organic reactions and identify unknown compounds. Laboratory activities illustrate lecture concepts and must be taken concurrently with CHEM&243. (LAB)
Credits 3
Lecture Hours 11.00
Lab Hours 44
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of CHEM&242 and CHEM 254 with grades of 2.0 or higher; AND Co-enrollment in CHEM&243.
Lab Supply/Materials Fee $70.00

CHIN- Chinese

CHIN& 121: Chinese I

EDP, GS, H- In this course students begin to communicate in Mandarin Chinese by acquiring basic vocabulary and skills in grammar, pronunciation, and the Pinyin (Romanized) writing system. Students also begin to develop an understanding of the culture, art, music, and literature of the Chinese-speaking world.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Placement into ENGL 95 or above.

CHIN& 122: Chinese II

EDP, GS, H- In this course continuing the work of CHIN&121, students improve their communication abilities in Mandarin Chinese by expanding their vocabulary and grammar and pronunciation skills. Students also increase their understanding of Chinese cultures and communication behaviors.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Completion of CHIN&121 with a grade of 2.0 or higher or placement into CHIN&122.

CHIN& 123: Chinese III

EDP, GS, H- In this course continuing the work of CHIN&122, students further improve their communication abilities in Mandarin Chinese by expanding their vocabulary and grammar and pronunciation skills. Students continue to increase their understanding of Chinese cultures and communication behaviors.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Completion of CHIN&122 with a grade of 2.0 or higher or placement into CHIN&123.

CMST- Communication Studies

CMST& 101: Introduction to Communication

H- In this course, students will explore the theory and practice of the communication process in an introductory class in the field of Communication. As they explore, students will develop skills and learn research based strategies improving their communication competence in foundational areas of interpersonal, intercultural, small group, and public speaking. Students will improve their ability to communicate formally and informally at home, work, and school, by evaluating and practicing their communication abilities in various contexts. Emphasis is placed on developing and maintaining competencies in verbal and nonverbal communication, perception of self and others, listening, conflict management, small group communication dynamics, and presentational speaking. Students will also learn to deliver effective formal team presentations.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

CMST& 102: Introduction to Mass Media

EDP, H- In this course, students become better consumers of information through an understanding of the media's history and cultural, economic, and social impacts. Students will learn how the internet, television, radio, film, and print media affect private and public life. They will be able to analyze the news and information flowing around them critically. Students will explore the legal, ethical, economic, and commercial dimensions of mass communications including how local and global systems of power, privilege, and inequality are created and maintained. (formerly 203)
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

CMST& 210: Interpersonal Communication

H- In this course, students explore, analyze and apply practical theory-based communication techniques and skills to enable students to develop and maintain healthy family, friend, romantic, and professional relationships. Students will examine and apply interpersonal communication theory to develop new more competent communication skills. Emphasis will be on personal identity and choosing intentional communication behaviors for relationship development, managing conflict and reducing communication anxiety in multiple contexts.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

CMST& 220: Public Speaking

GS, H, SU- In this course, students learn to analyze audience and purpose in order to choose topics, and organize, develop, and deliver various styles of public and presentational speeches on local and global issues. Students will prepare and practice speeches that are recorded for evaluation and improvement throughout the course. Students will also gain critical listening skills and persuasive abilities, while decreasing communication apprehension.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies, Humanities, Sustainability
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

CMST& 230: Small Group Communication-Leadership Dynamics

EDP, H- Students will improve their ability to apply theoretical frameworks of group communication and leadership dynamics in diverse group settings at home, work, and in the classroom. Moreover, by utilizing current communication theories and research, students will critically analyze their own and others¿ communication effectiveness, and apply problem-solving and conflict resolution techniques. Students will engage in and conduct research for team and service learning projects, in order to learn actively and evaluate their leadership and group communication skills. Additionally, students learn how individuals, communities, and societies/cultures are impacted by these systems and explore strategies for equitable change.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

CMST 103: Interviewing Skills

EDP, H- In this course, students will focus on the principles of interviewing. The interview process is a highly specialized form of Interpersonal Communication. Students will engage in practicing and applying specific skills including, but not limited to listening, the use of both verbal and nonverbal communication, and the creation of resumes, cover letters, and personal statements. Moreover, students in the course will conduct and engage in mock interviews and develop interviewing skills and strategies based on a variety of settings including; work, job placement, internships, community activities, and college enrollment. Additionally, students learn how individuals, communities, and societies/cultures are impacted by these systems and explore strategies for equitable change.
Credits 3
Lecture Hours 33.00
Lab Hours 0
Other Hours 0.00
Total Hours 33.00
Distributions & Designations
Equity, Diversity, and Power, Humanities
Prerequisites
Placement into ENGL 95 or above.

CMST 105: Professional Communication

H- Students will explore and apply the practical elements of inclusive communication skills for both individual and group communication in business, industry, and nonprofit contexts. In addition, students will learn expectations for communicating professionally at work as they apply and practice strategies for effective communication in presentational speaking, collaborative problem solving, and decision-making in teams. Emphasis is on developing and maintaining powerful soft skills, such as listening, conflict resolution, critical thinking, and professional networking. Students will also work in collaboration with organizations on and/or off campus.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

CMST 110: Digital Media, Culture, and Communications

EDP, H- In this Communications course, students become better consumers of and active participants in online social networks through an increased awareness and appreciation of specific online tools and applications. Students will be able to critically analyze their role and purpose in engaging in online global communities. Moreover, students will analyze, interpret, and apply specific communication strategies to the development of their own web presence. Throughout the course students will work in collaborative online global digital communities focusing on the role of culture on communication. Students will apply and integrate digital media literacy skills and awareness into their professional, academic and social lives.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

CMST 150: Multicultural Communication

EDP, H, IL- The course in multicultural communication introduces students to the dynamics of identity development with communication, power, and difference within the diverse environment of the United States. Students will evaluate the influence of cultural values and resulting communication on the development of individual and group identities, while exploring the impact of systems of power, privilege, and inequality on communication behavior. Students will learn how to locate themselves within a local and national context and improve their abilities to interact within various diverse cultural settings by utilizing a variety of communication strategies and techniques designed to develop communication competence. This course will include approved integrated learning activities aligned with a community-based learning requirement.
Prerequisite(s): None
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities, Integrated Learning

CMST 201: American Cinema

EDP, H- Students learn about American cinema by experiencing and analyzing films. Students use knowledge of film production from historical, commercial, scientific, cultural, and artistic perspectives. Students will investigate film form and the language of film to discover the creative process of film production as it relates to cultural expression. Moreover, students will gain knowledge to analyze, synthesize, and evaluate film as it relates to how both local and global systems of power, privilege, and inequality are created and maintained.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

CMST 211: World Cinema

EDP, GS, H- In this communication studies course, students learn about world cinema by experiencing and analyzing films. Students gain knowledge of film production from historical, commercial, scientific, cultural, and artistic perspectives influenced by cultural norms and values. In addition, students will investigate film form and the language of film as expressed by different cultural preferences to discover the creative process of film production, distribution, and viewership. Moreover, students will gain knowledge by analyzing, synthesizing, and evaluating global films as it relates to global systems of power, privilege, and inequality. Assessment methods may include film analysis, review of production elements, and small group projects on critiquing film genre narratives.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

CMST 233: Global Media

EDP,GS,H- In this course, students learn how to effectively implement media literacy strategies and techniques for consuming and analyzing specific global media messages and images. Students will be able to critically analyze global news events and information flowing through specific media technologies and services. Moreover, students will compare and contrast U.S. media systems with those media systems from other cultures/countries by examining legal, ethical, economic, and the commercial dimensions of mass communication. Additionally, students learn how individuals, communities, and societies/ cultures are impacted by these systems and explore strategies for equitable change.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

CMST 251: Intercultural Communication

EDP,GS,H- Students identify the effects of culture on communication in the global context, by exploring underlying values, rules, worldviews and the systems of power, and inequality of different international cultures. They explore culture-specific verbal and nonverbal communication patterns, and conflict negotiation strategies. Students learn key issues of cultural influence on the construction of communication messages in specific settings within the global context, such as business and education, and create and demonstrate communication strategies for intercultural communication competence.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

COLL- College Strategies

COLL 101: College Strategies

This course introduces students to the higher education system and to the habits and skills of successful college students. Together we'll explore Cascadia's educational framework, learning model, institutional values, academic resources, and academic plans and career paths. Students will practice critical and contextual thinking, navigate learning technologies, gain experience in collaborative work and active learning, and develop information literacy skills. By the end of the quarter, students will have produced actionable academic learning plans and identified practical learning strategies that they can use in future courses. This course may be linked with another course in order to integrate students' development within a specific disciplinary context.
NOTE: Students are expected to take this course within the first 30 credits earned at Cascadia College, or in their first year of attendance if attending part-time.

Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Placement into ENGL 95 or above, OR co-enrollment with EF or EFI 65

DRMA- Drama

DRMA& 101: Introduction to Theatre

EDP,GS,H- Introduction to Theatre introduces students to the practices and history of contemporary American theater, and its global historical and cultural precedents and influences. Students will read plays and other materials, attend productions, and analyze and discuss these course materials. The course also includes multiple creative projects to give students hands-on experiences of creating theater. After successful completion of this course, students will be equipped to analyze and discuss theater and other performance genres as informed audience members, readers, and/or participants, and will produce thoughtful commentary on productions they see and plays they read. Central to the course is an analysis of the ways in which American drama has reinforced and reproduced as well as disrupted and commented on dominant systems of power, privilege, and inequality. Drama 101 is appropriate for students with all levels of experience, from those who have never attended a live performance to those with performance or production experience.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Placement into ENGL 95 or above.

DRMA 103: Theatre Appreciation

EDP,GS,H- The primary material in this drama course will be several theater productions in the greater Puget Sound area, which students will attend either on their own or in groups. Through these experiences, students will examine theatrical storytelling and performance, including design elements and production choices, scenic and costume designs, use of light and sound, and directorial and dramaturgical decisions. The coursework will require students to consider cultural difference and intersections, grapple with the relationship between art and culture, and examine the social, political, economic, and historical contexts of how stories are told, including systems of power, privilege, inequality and identity. The goal of this work is to develop critical thinking about the role and effects of theater, and about students' own responses to these performances. *In lieu of textbooks, this course will require several out of class field trips, which will require the purchase of student tickets.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Placement into ENGL 95 or above.

DRMA 151: Introduction to Acting

HP- This drama course focuses on the theory and practice of the fundamentals of acting primarily through rehearsing and performing scenes and monologues and through other acting work. Students learn techniques to strengthen vocal, physical and emotional awareness and response while studying the foundational theories of acting. They particularly develop a deep understanding of the elements of characterization in relation to cultural, historical and economic background.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Humanities,
Humanities Performance
Prerequisites
Placement into ENGL 95 or above.

ECON- Economics

ECON& 201: Microeconomics

GS, SS, SU- This course examines the market system and the role of government in the economy. Students learn to analyze resource and income distribution, assess consumer and business behavior, and evaluate price determination and production cost. Students will also be able to identify the economic and socio-political forces that impact consumer demand, business production, and exchange within both domestic and international markets.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Social Science,
Sustainability
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH 94 or MATH 95 with a grade of 2.0 or higher or placement into MATH& 141 or MATH 147

ECON& 202: Macroeconomics

GS,SS, SU- This is an introductory course in principles of macroeconomics. Macroeconomics studies aggregate economic phenomena such as inflation, economic growth and recession, and unemployment, and addresses issues related to economic growth and the role of government policies in maintaining a healthy, prosperous economy. The goal of the course is to enable students to think about aggregate economic issues in an insightful manner, and to critically evaluate the economic information and analysis provided in popular news publications.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Social Science,
Sustainability
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH 94 or MATH 95 with a grade of 2.0 or higher, or placement MATH&141 or MATH 147; AND Completion of ECON&201 with a grade of 2.0 or higher.

ECON 460: Economics of Natural Resources

This course is a survey of the economics of renewable and nonrenewable natural resources including fisheries, forests, minerals and fuels, environmental resources such as clean air and water, and ecological resources such as biodiversity and a stable global climate. Students will analyze these topics by considering optimal trade-offs between benefits and costs of resource use, including trade-offs between current and future use and sustainability. The role of property rights on resource use, market failure and the role of government are covered.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-SP program, OR permission from the BAS-SP program administrator.

EDUC- Education

EDUC& 205: Introduction to Education

IL, SS- In this introductory education course students will explore the aims of education and the organization and structure of the teaching profession. Students will learn about the historical, philosophical, and psychological foundations of education (primarily, but not entirely, from a North American perspective). We will analyze current trends in education to provide background on issues that affect today's teachers from preschool through high school. Students will be required to complete 20 hours of Community-based learning (CBL) experience in an educational setting and submit documentation from the field site supervisor. The field site may require a background check. This course will fulfill the integrated learning requirement.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Integrated Learning,
Social Science
Prerequisites
Placement into ENGL 95 or above, AND completion of COLL 101 with a grade of 2.0 or higher.

EDUC& 240: Diversity in Education

EDP, SS- Students in this education course will explore how diversity and social justice issues influence educational systems. Through critical self-analysis, this course asks you to acknowledge and examine the complex ways that identity interacts with privilege and power in contemporary society. The course examines how and why these systems operate and how students' personal narrative demonstrates intersections of race, ethnicity, social class, gender, sexual orientation, language, [dis]ability, and citizenship to influence school experiences and provide insights for culturally relevant teaching.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

EDUC 102: Field Experience in Education

RE- This course is designed to be an introduction to the teaching profession through an intensive internship experience, with a lecture/discussion component. It includes both theoretical and practical aspects of learning and teaching. Students will have an opportunity to assess their own interest in teaching as a career, gain an overview of issues that affect teachers from preschool through high school, and have the opportunity to interrogate their prior beliefs and assumptions about education. This course fulfills the Cascadia Integrated Learning requirement, based on a substantial community based learning component.
Prerequisite(s): None.
Credits 5
Lecture Hours 22.00
Lab Hours 0
Other Hours 99.00
Total Hours 121.00

EF-I-International

EF-I 15: Low-Beginning English Communication

In this course, students will develop basic English communication skills. Students will learn to communicate through reading, writing, listening, speaking, and grammar in context to prepare for the next steps of their college or career goals. These outcomes correspond to College and Career Readiness Standards for Adult Education Level A-B.
Credits 10
Lecture Hours 110.00
Lab Hours 0
Other Hours 0.00

EF-I 17: Low-Beginning Reading

In this course, students will be introduced to basic English reading skills. Students will learn to apply basic reading skills and strategies to a variety of adapted texts while developing their vocabulary and participating in discussion. Students will read texts on a variety of topics. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lab Hours 55
Other Hours 0.00

EF-I 18: Low-Beginning Speaking and Listening

In this course, students will develop basic English speaking and listening skills. They will improve their ability to make simple statements and ask and answer questions about daily life topics. Students will develop their fluency, comprehension, pronunciation, and conversation skills. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00

EF-I 19: Low-Beginning Writing & Grammar

In this course, students will develop basic English writing and grammar skills. Students will write sentences for a variety of purposes. Students will improve their knowledge and use of English grammar, sentence structure, and vocabulary in their writing. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00

EF-I 25: Beginning English Communication

In this course, students will develop beginning English communication skills. Students will learn to communicate effectively through reading, writing, listening, speaking, and grammar in context to prepare for the next steps of their college or career goals. These outcomes correspond to College and Career Readiness Standards for Adult Education Level A-B.
Prerequisite(s): Placement into EFI 25, or by International Programs staff or faculty.
Credits 10
Lecture Hours 110.00
Lab Hours 0
Other Hours 0.00
Total Hours 110.00

EF-I 27: Beginning Reading

In this course, students will be introduced to beginning English reading skills. Students will learn to apply basic reading skills and strategies to a variety of adapted texts while developing their vocabulary and participating in discussion. Students will read texts on a variety of topics. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 28: Beginning Speaking and Listening

In this course, students will develop beginning English speaking and listening skills. They will improve their ability to make simple statements and ask and answer questions about daily life topics. Students will develop their fluency, comprehension, pronunciation, and conversation skills. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 29: Beginning Writing and Grammar

In this course, students will develop beginning English writing and grammar skills. Utilizing the writing process, students will write sentences and will be introduced to basic paragraph structure. Students will improve their knowledge and use of English grammar, sentence structure, and vocabulary in their writing. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 35: Low-Intermediate English Communication

In this course, students will develop low-intermediate English communication skills. Students will learn to communicate effectively through reading, writing, listening, speaking, and grammar in context to prepare for the next steps of their college or career goals. These outcomes correspond to College and Career Readiness Standards for Adult Education Level B-C. Prerequisite(s): Successful completion of appropriate Level 2 course(s), or placement into EFI 35. Placement is determined by International Programs staff or faculty.
Credits 10
Lecture Hours 110.00
Lab Hours 0
Other Hours 0.00
Total Hours 110.00

EF-I 37: Low-Intermediate Reading

In this course, students will develop low-intermediate English reading skills. Students will learn to apply reading skills and strategies to a variety of adapted texts while developing their vocabulary and participating in discussion. Students will read texts on a variety of topics. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 38: Low-Intermediate Speaking and Listening

In this course, students will develop low-intermediate English speaking and listening skills. They will improve their ability to converse about a range of topics and participate in group discussions. Students will further develop their fluency, comprehension, pronunciation, and conversation skills. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 39: Low-Intermediate Writing & Grammar

In this course, students will develop low-intermediate English writing and grammar skills. Utilizing the writing process, students will write sentences and paragraphs for a variety of purposes. Students will improve their knowledge and use of English grammar, paragraph structure, and vocabulary in their writing. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 45: Intermediate English Communication

In this course, students will develop intermediate English communication skills. Students will learn to communicate effectively through reading, writing, listening, speaking, and grammar in context to prepare for the next steps of their college or career goals. These outcomes correspond to College and Career Readiness Standards for Adult Education Level C-D. Prerequisite(s): Successful completion of appropriate Level 3 course(s), or placement into EFI 45. Placement is determined by International Programs staff or faculty.
Credits 10
Lecture Hours 110.00
Lab Hours 0
Other Hours 0.00
Total Hours 110.00

EF-I 47: Intermediate Reading

In this course, students will develop intermediate English reading skills. Students will learn to apply reading skills and strategies to a variety of adapted texts while developing their vocabulary and participating in discussion. Students will read texts on a variety of topics and genres. This course will help prepare students for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 48: Intermediate Speaking and Listening

In this course, students will develop intermediate speaking and listening skills in English. They will improve their ability to express their opinions and participate in group discussions on academic and non-academic topics. Students will further develop their fluency, comprehension, pronunciation, critical thinking, formal presentation skills, and conversation skills. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 49: Intermediate Writing & Grammar

In this course, students will develop intermediate English writing and grammar skills. Utilizing the writing process, students will write well-developed paragraphs and will be introduced to multi-paragraph essays using a variety of styles. Students will improve their knowledge and use of English grammar, paragraph structure, and vocabulary in their writing. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 50: English in Context- Fine Arts

In this course, students will learn about topics relating to fine arts by reading primary sources and learning from other types of media. In addition, students will prepare written artifacts which require critical thinking skills, understanding of content, writing mechanics, grammar, spelling, and vocabulary. Students will also build public speaking skills by doing presentations. This course will help prepare students for the high school equivalency examinations in Reasoning Through Language Arts or earn high school completion credits in English and Science. It will also offer opportunities for students to increase English language skills contextually with topics relating to fine arts. These outcomes correspond to College and Career Readiness Standards for Adult Education Level D-E.
Prerequisite(s): Successful completion of appropriate Level 4 course(s), or placement into EFI 50. Placement is determined by International Programs staff or faculty.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 51: English in Context- Washington State History

In this course, students will learn a general overview of Washington (WA) State history. Students will gain knowledge by reading primary sources learning from other types of media. In addition, students will prepare written artifacts which require critical thinking skills, understanding of content, writing mechanics, grammar, spelling, and vocabulary. Students will also build public speaking skills by doing presentations. This course will help prepare students for the high school equivalency examinations in Reasoning Through Language Arts and Social Studies or earn high school completion credits in English and WA State History. It will also offer opportunities for students to increase English language skills contextually with WA state history. These outcomes correspond to College and Career Readiness Standards for Adult Education Level D-E.
Prerequisite(s): Successful completion of appropriate Level 4 course(s), or placement into EF 51. Placement is determined by International Programs staff or faculty.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 52: English in Context- United States History

In this course, students will learn a general overview of United States (US) history. Students will gain knowledge by reading primary sources documents and learning from other sources of media. In addition, students will prepare written artifacts which require critical thinking skills, understanding of content, writing mechanics, grammar, spelling, and vocabulary. Students will also build public speaking skills by doing presentations. This course will help prepare students for the high school equivalency examinations in Reasoning through Language Arts and Social Studies or earn high school completion credits in English and US History. It will also offer opportunities for students to increase English language skills contextually with US history. These outcomes correspond to College and Career Readiness Standards for Adult Education Level D-E.
Prerequisite(s): Successful completion of appropriate Level 4 course(s), or placement into EFI 52. Placement is determined by International Programs staff or faculty.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 53: English in Context- Current World Issues

In this course, students will learn about a number of current world issues by reading primary sources and learning from other sources of media. In addition, students will prepare written artifacts which require critical thinking skills, understanding of content, writing mechanics, grammar, spelling, and vocabulary. Students will also build public speaking skills by doing presentations. This course will help prepare students for the high school equivalency examinations in Reasoning Through Language Arts and Social Studies or earn high school completion credits in English and Current World Issues. It will also offer opportunities for students to increase English language skills contextually with current world issues. These outcomes correspond to College and Career Readiness Standards for Adult Education Level D-E. Prerequisite(s): Successful completion of appropriate Level 4 course(s), or placement into EFI 53. Placement is determined by International Programs staff or faculty.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 54: English in Context- Civics and Government

In this course, students will learn about US Civics and Government by reading primary sources and learning from other sources of media. In addition, students will prepare written artifacts which require critical thinking skills, understanding of content, writing mechanics, grammar, spelling, and vocabulary. Students will also build public speaking skills by doing presentations. This course will help students prepare for the high school equivalency examinations in Reasoning Through Language Arts and Social Studies or earn high school completion credits in English and Civics/Government. It will also offer opportunities for students to increase English language skills contextually with topics relating to civics and the US government. These outcomes correspond to College and Career Readiness Standards for Adult Education Level D-E. Prerequisite(s): Successful completion of appropriate Level 4 course(s), or placement into EFI 54. Placement is determined by International Programs staff or faculty.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 55: English in Context- Environmental Science

In this course, students will learn about environmental science and sustainability by reading primary sources and learning from other sources of media. In addition, students will prepare written artifacts which require critical thinking skills, understanding of content, writing mechanics, grammar, spelling, and vocabulary. Students will also build public speaking skills by doing presentations. This course will help students prepare for the high school equivalency examinations in Reasoning Through Language Arts and Science, or earn high school completion credits in English and Science. It will also offer opportunities for students to increase English language skills contextually with topics relating to environmental science as they relate to topics on sustainability. These outcomes correspond to College and Career Readiness Standards for Adult Education Level D-E. Prerequisite(s): Successful completion of appropriate Level 4 course(s), or placement into EFI 55. Placement is determined by International Programs staff or faculty.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 56: English in Context- General Science

In this course, students will learn about topics relating to general science and sustainability by reading primary sources and learning from other types of media. In addition, students will prepare written artifacts which require critical thinking skills, understanding of content, writing mechanics, grammar, spelling, and vocabulary. Students will also build public speaking skills by doing presentations. This course will help prepare students for the high school equivalency examinations in Reasoning Through Language Arts and Science, or earn high school completion credits in English and Science. It will also offer opportunities for students to increase English language skills contextually with topics relating to general science and sustainability. These outcomes correspond to College and Career Readiness Standards for Adult Education Level D-E. Prerequisite(s): Successful completion of appropriate Level 4 course(s), or placement into EFI 56. Placement is determined by International Programs staff or faculty.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 57: High-Intermediate Reading

In this course, students will develop high-intermediate reading skills in English. Students will learn to apply reading and vocabulary skills and strategies to a variety of authentic and adapted texts while developing their vocabulary and participating in discussion. Students will read texts from a variety of genres and academic disciplines. This course will help prepare students for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 58: High-Intermediate Speaking and Listening

In this course, students will develop high-intermediate English speaking, listening, and lecture note-taking skills. They will improve their ability to express their opinions and participate in group discussions on academic and non-academic topics. Students will further develop their fluency, comprehension, critical thinking, formal presentation skills, and note-taking. This course will help students prepare for the next steps in the educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 59: High-Intermediate Writing & Grammar

In this course, students will develop high-intermediate English writing and grammar skills. Utilizing the writing process, students will write well-developed paragraphs and multi-paragraph essays using a variety of styles. Students will improve their knowledge and use of English grammar, paragraph and essay structure, and vocabulary in their writing. This course will help students prepare for the next steps in their educational or career goals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EF-I 65: Advanced Reading and Writing

In this course, students will develop advanced academic English reading and writing skills for success in college-level classes and the workplace. Students will apply reading strategies to a variety of authentic texts, while developing their vocabulary and annotation skills and participating in partner and group discussions. Students will create a variety of artifacts using the writing process and applying critical thinking skills and learned grammar from course texts. Written artifacts will include an instructor-guided research paper and assignments that combine purposes and styles. Course activities and assignments are designed to help students prepare for their next steps in their educational or career goals. This course will also prepare students for the high school equivalency examinations in Reasoning Through Language Arts or earn high school completion credits in English. These outcomes correspond to College and Career Readiness Standards for Adult Education Level E. Prerequisite(s): Successful completion of appropriate Level 5 course(s), or placement into EF 65. Placement is determined by International Programs staff or faculty.
Credits 10
Lecture Hours 110.00
Lab Hours 0
Other Hours 0.00
Total Hours 110.00

EM- Emergency Management

EM 102: Introduction to Emergency Management

RE- This course will build a strong foundation for disaster and emergency management for homeland security in the 21st century. Addresses issues, policies, questions, best practices, and lessons learned through recent years: requirements of National Fire Protection Association® NFPA 1600, Standard on Emergency Management, and exposure to new and developing theories, practices, and technology in emergency management. prerequisite(s): None
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

EM 110: Basic Incident Command Systems

RE- This Emergency Management course introduces students to the Incident Command System (ICS) and provides the foundation for higher-level ICS training. This course describes the history, features, and principles and organization structure of the Incident Command System. It also explains the relationship between ICS and the National Incident Management System (NIMS). (Course will meet ICS 100/200 requirements). Prerequisite(s): None
Credits 2
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00
Total Hours 22.00

EM 120: All Hazards Emergency Planning

RE- This Emergency Management course is designed to introduce students to developing an effective emergency planning system. Students will be trained in the fundamentals of the emergency planning process, including the rationale behind planning. Emphasis will be placed on hazard/risk analysis and planning team development. Other topics, such as Continuity of Operations (COOP), Emergency Support Functions, National Response Plan, Washington State Comprehensive Emergency Management Plan, and contingency planning for areas such as Special Needs (Vulnerable Populations) or Animal Sheltering are included.
Credits 3
Lecture Hours 33.00
Lab Hours 0
Other Hours 0.00
Total Hours 33.00
Prerequisites
Completion of EM 102 with a grade of 2.0 or higher.

EM 130: Technology and Emergency Management

RE- This Emergency Management course provides a detailed overview of the technology used, and also clearly explains how the technology is applied in the field of emergency management. Students will learn how to utilize technology in emergency planning, response, recovery, and mitigation efforts and will identify key elements that must be in place for technology to enhance the emergency management process.
Credits 3
Lecture Hours 33.00
Lab Hours 0
Other Hours 0.00
Total Hours 33.00
Prerequisites
Completion of EM 102 or EM 105 with a grade of 2.0 or higher; OR concurrent enrollment.

EM 157: Public Information

RE- This Emergency Management course is designed to train students for coordinating and disseminating information released during emergency operations and for assisting in the scheduling and coordination of news conferences and similar media events. After completing this course the student will have met the sections required for Public Information Officer as outlined by NFPA® 1035 (National Fire Protection Association).
Credits 2
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00
Total Hours 22.00
Prerequisites
Minimum grade of 2.0 or higher in all EM coursework.

EM 160: Emergency Response and Awareness to Terrorism

RE- This course provides students with current and relevant information about terrorism, terrorist behavior, homeland security policies and dilemmas, and how to deal effectively with threats and the consequences of attacks. Students will gain insight into the key players involved in emergency management, local and state issues, particularly as they need to interact and work with FEMA and other federal agencies. Course components include identifying terrorism, causes of terrorism, preventing terrorist attacks, responding to terrorism attacks, and avoiding communication and leadership collapse.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Minimum grade of 2.0 or higher in all EM coursework.

EM 180: Public Administration

RE- This Emergency Management course provides an overview of the structure and issues of public service. Course participants will examine the context of public administration: the political system, the role of federalism, bureaucratic politics, and power, and the various theories of administration that guide public managers today. Prerequisite(s): None
Credits 3
Lecture Hours 33.00
Lab Hours 0
Other Hours 0.00
Total Hours 33.00

EM 198: Emergency Management Special Topics

RE- Special topics will be developed for areas outside the usual course offerings in the Emergency Management degree. Topics developed will focus on a specific current issue or concept in the areas of homeland security or emergency management.
Credits 3
Lecture Hours 33.00
Lab Hours 0
Other Hours 0.00
Total Hours 33.00
Prerequisites
Completion of EM 102 with a grade of 2.0 or higher; AND minimum of 12 credits in EM with a grade of 2.0 or higher in all EM coursework.

EM 200: Emergency Operations Center

RE- This course provides the student with skills and knowledge to manage an Emergency Operations Center (EOC), acquire and control resources, and interface with on-scene responders within Incident Management Systems. Topics include EOC design, preparing, staffing, operating, and jurisdictional setting and the critical link between Incident Management Systems and emergency management operations. Prerequisite(s): None
Credits 2
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00
Total Hours 22.00
Prerequisites
Completion of EM 102 or EM 105 with a grade of 2.0 or higher; OR concurrent enrollment.

EM 210: Exercise Design and Evaluation

RE- This Emergency Management course provides students with the knowledge and skills to develop, conduct, evaluate, and report effective exercises that test a community's operations plan and operational response capability Throughout the course, participants will learn about topics including exercise program management, design and development, evaluation, and improvement planning.
Credits 3
Lecture Hours 33.00
Lab Hours 0
Other Hours 0.00
Total Hours 33.00
Prerequisites
Completion of EM 102 or EM 105 with a grade of 2.0 or higher; OR concurrent enrollment.

EM 220: Developing and Managing Volunteer Resources

RE- This Emergency Management course will focus on methods and procedures for involving affiliated and spontaneous volunteers in emergency management programs, with the goal of maximizing the effectiveness of volunteer resources.
Credits 2
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00
Total Hours 22.00
Prerequisites
Completion of EM 102 or EM 105 with a grade of 2.0 or higher; OR concurrent enrollment.

EM 230: Disaster Recovery

RE- The purpose of this Emergency Management course is to enable students to understand and think critically about response and recovery operations in the profession of emergency management. Students will utilize problem-based learning by analyzing actual disaster events and applying the theories, principals, and practice of response and recovery. In addition, students will learn about the issues faced by special populations and how to address these special needs in natural disaster response and recovery.
Credits 2
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00
Total Hours 22.00
Prerequisites
Completion of EM 102 AND EM 120 with a grade of 2.0 or higher; AND minimum grade of 2.0 in all EM coursework.

EM 240: Work-Based Learning Experience

RE- This course provides students with ¿real world experiences¿ through Work-Based Learning (WBL) in homeland security and emergency management. Students learn to work within time constraints and are exposed to appropriate workplace behaviors. Students will have opportunities to refine the core skills they have learned from previous courses or curriculum.
Credits 4
Lecture Hours 44.00
Lab Hours 0
Other Hours 0.00
Total Hours 44.00
Prerequisites
Completion of EM 102 with a grade of 2.0 or higher; AND minimum grade of 2.0 in all EM coursework; AND program coordinator approval.

EM 250: Homeland Security Law and Policy

RE- This course is designed to give the student an overview of various statutes, regulations, constitutional law, and common law associated with Homeland Security Emergency Management. Students will be introduced to the legalities and ethics relevant to organizing for counterterrorism, investigating terrorism and other national security threats, crisis and consequence management.
Credits 4
Lecture Hours 44.00
Lab Hours 0
Other Hours 0.00
Total Hours 44.00
Prerequisites
Completion of EM 102 or EM 105 with a grade of 2.0 or higher; OR concurrent enrollment.

ENGL- English

ENGL& 101: English Composition I

This course helps students learn to identify choices and make decisions about their own and others' communication, especially in college writing. They will develop and practice various reading strategies for interpreting, responding to, and making use of a wide array of texts in their own writing. As they experiment with strategies, they will build confidence and a personalized process to compose texts that demonstrate an understanding of writing as craft, make intentional organizational choices, and are designed to align specific purposes and audiences. This class is organized around a theme chosen by the instructor

Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Co-enrollment in, or successful completion of ENGL 95; OR successful completion of EF/EF-I 65; OR placement into ENGL&101.
Lab Supply/Materials Fee $13.00

ENGL& 102: Composition II

Students learn how to distinguish between public and academic discourse; practice reading academic scholarship; develop a research process that includes narrowing topics, creating research questions, searching for and evaluating a variety of sources including peer-reviewed scholarship; write annotated bibliographies; and manage, synthesize, and use multiple sources to produce research projects..

Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Completion of ENGL&101 with a grade of 2.0 or higher; AND completion of COLL 101 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $13.00

ENGL& 111: Introduction to Literature

EDP, GS, H- This introductory English course grows out of our understanding that literature helps give voice, shape and meaning to the medley of human experience. Students will explore a breadth of literary genres, texts, and critical approaches. They will learn and apply skills for exploring the meanings and effects of literature as they practice connecting text and author relationships to their historical, cultural, and global contexts and constraints. Class discussion and both analytical and imaginative response will help students discover and express their own learning about literature. This class may be organized around a theme chosen by the instructor.

Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

ENGL& 112: Introduction to Fiction

EDP, H- In this literature course, students explore a range of texts representing the genre of fiction across space and time, including novels, short stories, microfiction, autofiction, scripted narrative, and related critical materials. The course is based on a rotating theme; examples include 21st Century Abolitionist Literature, Narratives of the Sea, Crime Fiction, Queer Literature, AI in fiction, Representations of Disability in Literature, and Climate Grief Literature. Students practice in-depth analysis of texts, considering genre conventions, historical contexts, themes, and cultural implications for the reading audience of the place and time period, and are also introduced to literary theory. Students reflect upon their own process of creating meaning through an active reading practice and analytical, collaborative, and creative projects.(formerly ENGL 211)
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

ENGL& 114: Introduction to Drama

EDP, H, IL- Students learn about world drama (with a focus on Western dramatic traditions) throughout history by reading plays from ancient to contemporary times. Students will be able to analyze works of drama using the historical, political, cultural, and social context as well as the elements of dramatic literature and presentation. (formerly 221)
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities,
Integrated Learning
Prerequisites
Completion of ENGL&101 with a grade of 2.0 or higher.

ENGL& 235: Technical Writing

H- In this English course, students will compose texts for a variety of professional and technical audiences, across several genres and adapted to different industry, company, or brand voices, developing a toolkit for writing, revising, and technical editing based on clear and concise, audience-appropriate syntax. Students will learn how to research, organize, design and revise a proposal, a usability report, and a manual or handbook, and will practice composing graphics, emails, and other written products for a business/technical environment. In weekly reflections, students will identify personal areas for improvement in task management, genre conventions, sentence construction, research synthesis, and document design, and will craft a personal statement about their own practices, contexts, and ethics for transparent use of analytical or generative AI. In two, multi-week team projects students will collaborate in team meetings that may take place in person or in required remote synchronous online meetings.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Humanities
Prerequisites
Completion of ENGL&101 with a grade of 2.0 or higher; AND completion of COLL 101 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $13.00

ENGL& 236: Creative Writing I

EDP, H, IL- This English course introduces students to the craft of creative writing in a generative workshop setting. Each week students will write short informal pieces that explore character, voice, point of view, image, and form across genres. Students will also read a wide variety of short fiction, poetry, and creative nonfiction to discover how different writers employ specific techniques and to examine the role of creative writing in different cultures and their own lives. Weekly writing in response to prompts and significant class time spent workshopping drafts and experimenting with different lenses for revision will be required. Students will also be required to attend at least one event such as a public reading or gallery visit outside of class.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities, Integrated Learning
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

ENGL& 237: Creative Writing II

EDP, H- This creative writing course introduces student to poetic practices. Students learn how to make choices and decisions about their own and others' poetry. They read a wide variety of poetry and critical texts to gain an understanding of poetic perspectives and the role of poetry in different cultures and their own lives. Students learn about sound, rhythm, images, tone, and other concepts of poetry writing. Students will workshop their poems to provide regular feedback on their classmates' work . Courses in the Creative Writing series, ENGL& 236, ENGL& 237, and ENGL& 238 may be taken independently and in any order.. (formerly ENGL 274)
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

ENGL& 238: Creative Writing III

EDP, H- This creative writing course introduces students to craft fiction writing. Students learn to make decisions about their own and others¿ fiction, especially as it develops individual writing practices. Students explore a variety of literary elements and develop a narrative from start to finish. Students read a wide range of fiction to understand more clearly how different writers employ specific techniques, and to understand the role of fiction in different cultures and their own lives. Students will workshop their fiction to provide regular feedback on their classmates¿ work. Courses in the Creative Writing series, ENGL& 236, ENGL& 237, and ENGL& 238 may be taken independently and in any order.(formerly ENGL 277)
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

ENGL& 244: U.S. Literature I

EDP, H- Students explore a survey of United States English literature between from earliest written expression through the 19th Century. Through fiction, poetry, drama, non-fiction, and/or film, students practice in-depth analysis of texts based on their literary elements and devices, cultural-historical contexts, and reflection of the complex human experience. Authors and texts may vary but typically illuminate aspects of Colonization, Slavery, Civil War, Enlightenment, Romanticism, Transcendentalism, Regionalism, Realism, and Naturalism. Within this survey the course may also focus on a theme chosen by the instructor.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities
Prerequisites
Completion of ENGL&101 with a grade of 2.0 or higher.

ENGL& 245: U.S. Literature II

EDP, H- Students explore a survey of United States English literature between the late 19th Century and the present. Through fiction, poetry, drama, non-fiction, and/or film, students practice in-depth analysis of texts based on their literary elements and devices and their cultural-historical contexts, and reflection of the complex human experience. Authors and texts may vary, but typically illuminate aspects of Naturalism, Modernism, Harlem Renaissance, experimental drama, emerging immigrant, feminist and queer voices, and post-modernism. Within this survey the course may also focus on a theme chosen by the instructor.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities
Prerequisites
Completion of ENGL&101 with a grade of 2.0 or higher.

ENGL 095: College Reading and Writing

This reading course prepares students for success with college literacies, and supports specific success in reading-heavy classes across the curriculum using targeted practices. Students will experiment with and strengthen their reading and writing strategies to increase comprehension of academic materials. Time will be dedicated for individual conferences and writing tutor consultations. Students will develop a collection of personalized reading and writing processes for academic assignments that reflect intentional organization, appropriate conventions, and polish. They will learn to find and interpret information to use in reading-grounded class discussions. This course is intended to be taken either as a) the first five credits in a sequence of consecutive quarters with ENGL&101, extending the pace and scaffolding of reading activities and assignments, or b) as a co-requisite in the same quarter as ENGL&101, in which the pace of supporting activities and assignments will be more compressed. This course is graded as Pass/No pass.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Placement into ENGL 95 or above.

ENGR- Engineering

ENGR& 204: Electrical Circuit Analysis

NS- This engineering course is an introduction to the theory and techniques of electric circuit analysis. Students will learn how to analyze circuits of resistors, capacitors, inductors, and sources by making use of electromagnetic theory and network topology. Students will design circuits using time-domain and frequency-domain analysis, and analyze and design AC and power circuits using phasor techniques and mutual inductance. The emphasis will be on real-world applications. Students will develop hands-on experience by designing and implementing circuits in hardware and analyzing them using circuit test technology. A scientific calculator is required.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science
Prerequisites
Completion of MATH&152 with a grade of 2.0 or higher; AND Completion of PHYS&222 with a grade of 2.0 or higher.

ENGR& 214: Statics

NS- Students will analyze forces acting on particles, rigid bodies and structures in equilibrium in this engineering course. Topics will include force and moment resultants, free-body diagrams, reactions and supports, internal forces, structures in equilibrium, centroids and centers of mass, distributed forces, and friction. Emphasis will be placed on real-world applications and technology will be integrated throughout the course. A scientific calculator is required.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science
Prerequisites
Co-enrollment in or completion of MATH&163 or above with a grade of 2.0 or higher; AND Completion of PHYS&221 with a grade of 2.0 or higher.

ENGR& 215: Dynamics

NS- Students will analyze the kinematics and dynamics of particles, systems of particles and rigid bodies; 2D and 3D coordinate systems; motion relative to translating and rotating reference frames; work and energy; linear momentum and linear impulse; rotating bodies and angular momentum. Emphasis will be placed on real-world applications and technology will be integrated throughout this engineering course. A scientific calculator is required.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science
Prerequisites
Completion of MATH&163 with a grade of 2.0 or higher; AND Completion of ENGR&214 with a 2.0 or higher.

ENGR& 225: Mechanics of Materials

NS- Students will analyze the basic theories of stress and strain and their application to the properties and behavior of engineering materials. They will develop an understanding of the subject through an examination of how specific geometry and loads, intrinsic material properties, and the fundamental constitutive relations governing material behavior can be used to predict how materials react to loads. Students will explore this behavior by modeling it in the context of realistic situations. Further, they will examine modes of material failure and learn strategies useful in predicting and preventing it. Technology will be integrated throughout the course, and a scientific calculator is required.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science
Prerequisites
Completion of MATH&163 with a grade of 2.0 or higher; AND Completion of ENGR&214 with a 2.0 or higher.

ENGR& 240: Engineering Computations

NS- In this course students will develop computational solutions to problems commonly arising in engineering and the sciences. They will create algorithms, use industry-standard software to analyze and visualize data, solve numerical problems, and simulate processes. Applications to statistics, mechanics, and other areas will be explored. Computer experience is helpful but not necessary.
NOTE: This course does *not* meet the Natural Science Lab (NSL) requirement.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Natural Science
Prerequisites
Completion of ENGL& 101 with a grade of 2.0 or higher; AND Co-enrollment or completion of MATH& 152 with a grade of 2.0 or higher.

ENGR 120: Introduction to Computer Aided Design

NS- This course is an introduction to computer-aided engineering design, focusing on the design process, solid modeling and design documentation. Students will learn engineering design methodologies and processes, use industry-standard software to visualize, model and implement realistic objects and assemblies, and produce drawings, schematics and other design documents. They will be introduced to dimensioning and tolerancing industry standards. Computer experience is helpful but not required.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Natural Science
Prerequisites
Completion of ENGL 95 or above with a grade of 2.0 or placement into ENGL&101; AND Completion of MATH 94 or MATH 95 with a grade of 2.0 or higher or placement into MATH& 141 or MATH 147.
Lab Supply/Materials Fee $25.00

ENVS-Environmental Science

ENVS& 101: Introduction to Environmental Science

GS, IL, NSL,SU- In this course, students will examine the complex interplay of Earth's natural systems and cycles. Alterations to the natural environment by humans will be thoroughly examined using a global perspective with critical consideration of how changes in current human behavior at personal, regional, and global levels can lead to more sustainable human societies and natural systems. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Global Studies,
Integrated Learning,
Sustainability,
Natural Science,
Natural Science LAB
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.
Lab Supply/Materials Fee $45.00

ENVS 120: Wetland Conservation

EDP,GS,IL, NS,SU- Students in this environmental science course will be introduced to basic wetland ecological principles, wetland types, and the unique functions and values of wetlands. Historical and current perceptions, usages, and threats to wetlands will be examined. Students will then consider the interplay of social, economic, political, and ecological factors that surround human alterations and conservation efforts and sustainability. Inequalities between and within developing and developed countries will be examined as powerful forces that drive current wetland loss and degradation. This course includes an Integrated Learning project.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Integrated Learning,
Natural Science,
Sustainability
Prerequisites
Placement into ENGL 95 or above.
Lab Supply/Materials Fee $45.00

ENVS 220: Wetland Ecology

GS, IL, NSL- Wetlands are a valuable and integral resource in the global and environmental landscape. Because wetland formation and ecology are vastly influenced by climate, geographical location affects the size and type of wetland found at specific global locations. As such, students will examine the unique ecology that evolves when the presence of water on terrestrial systems is pervasive enough to create changes to the soil and biotic community. Students will explore the large wetland restoration project located on-campus through `hands-on' field laboratories. Off-site field trips will also be taken to examine the diversity and variability of local wetlands. Two all-day Friday field trips are required (one approximately halfway through quarter and second towards the end of the quarter). (LAB)
Credits 5
Lecture Hours 33.00
Lab Hours 44
Other Hours 0.00
Total Hours 77.00
Distributions & Designations
Global Studies,
Integrated Learning,
Natural Science,
Natural Science LAB
Prerequisites
Completion of any Natural Science Distribution course except for MATH with a grade of 2.0 or higher.
Lab Supply/Materials Fee $45.00

ENVS 370: Environmental Chemistry, Pollution, and Waste Management

This course is an examination of the applications of chemistry in industrial, municipal, and natural systems. Students will define pollution and examine various pollution sources that impact air, water, and soil. Toxicology will be introduced, as well as the fate and transport of pollutants in various environments and impacts to human and environmental health. Waste stream management will be discussed in terms of potential pollution, including disposal by engineered sanitary landfills as well as other methods used globally. Strategies for eliminating and mitigating pollutants are also discussed, as will strategies for minimizing waste streams. This course may include one or more off-site visits. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Prerequisites
Admission to the BAS-SP program, OR permission from the BAS-SP program administrator.
Lab Supply/Materials Fee $45.00

FRCH- French

FRCH& 121: French I

GS, H- In this fast-paced course, students begin to communicate in French in simple situations. They are able to describe the immediate environment and to repeat learned dialogues by learning elementary grammar, vocabulary, and pronunciation. Students begin to learn about the culture, music, art, and literature of the French-speaking world.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Humanities
Prerequisites
Placement into ENGL 95 or above.

FRCH& 122: French II

GS, H- In this fast-paced course, continuing the work of FRCH&121, students increase knowledge of French vocabulary and grammar to improve their communication abilities. They learn to participate in conversations in a variety of social settings and learn more about social and historical aspects of French-speaking cultures.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Humanities
Prerequisites
Completion of FRCH&121 with a grade of 2.0 or higher or placement into FRCH&122.

FRCH& 123: French III

GS, H- This course continues the work of FRCH&122. In it, students improve their ability to speak and write in French by adding to vocabulary and grammar knowledge. Students learn more about French-speaking cultures worldwide.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Humanities
Prerequisites
Completion of FRCH&122 with a grade of 2.0 or higher or placement into FRCH&123.

FRCH& 221: French IV

GS, H- In FRCH&221 students are engaged in a variety of activities that use different media and learning techniques aimed at building proficiency in all four language skills - reading, writing, listening, and speaking. Students work individually and with partners in class to discuss and present ideas about literary texts, music, film, or cultural history. Students also continue to learn about French-speaking cultures throughout the world.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Humanities
Prerequisites
Completion of FRCH&123 with a grade of 2.0 or higher or placement into FRCH&221.

FRCH& 222: French V

GS, H- FRCH&222 continues to engage students in a variety of activities in different media to build proficiency in all four language skills - reading, writing, listening, and speaking. Individual assignments and in-class group work help students communicate more personal and complex ideas in written and spoken French. Students also continue to deepen their knowledge of French-speaking cultures worldwide.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Humanities
Prerequisites
Completion of FRCH&221 with a grade of 2.0 or higher or placement into FRCH&222.

FRCH& 223: French VI

GS, H- FRCH&223 continues to build proficiency in all four language skills using a variety of media. Individual assignments and in-class group work help students understand authentic French and to communicate using moderately complex written and spoken grammar and vocabulary. Students also continue to deepen their knowledge of French-speaking cultures worldwide.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Humanities
Prerequisites
Completion of FRCH&222 with a grade of 2.0 or higher or placement into FRCH&223.

GEOG- Geography

GEOG& 250: Geography of the Pacific Northwest

GS,NS,SU- This course is an introduction to the physical and cultural landscapes of the Pacific Northwest. Students will examine the historic and contemporary relationships between people and places in the Northwest and how physical and cultural processes have shaped this region. Special emphasis will be given to the Salish Sea bioregion as well as the Pacific Northwest's role within the larger global context.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Natural Science,
Sustainability
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

GEOG 120: Introduction to Physical Geography

GS, NS- This course introduces the basic physical and environmental processes responsible for shaping the earth's surface as well as geographic tools used for analysis. Specific regions of the world are then studied in order to establish relationships between the people that live in those regions and the natural world that surrounds them.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Natural Science
Prerequisites
Co-enrollment with or completion of ENGL&101 with a grade of 2.0 or higher.

GEOG 440: Global Natural Resource Management

This Geography course identifies critical natural resources throughout the world and their distribution. These include, but are not limited to, water, fossil fuels, forests, soil, minerals, fisheries, and wildlands. Elements of extraction/harvest, distribution, and consumption of those resources will be examined in depth, along with environmental impacts. Management and conservation of those resources, along with alternative options, recycling, re-use, and waste will also be discussed.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-SP program, OR permission from the BAS-SP program administrator.

GIS 101: Intro to Geographic Info Systems

Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00

GIS 102: Geographic Info Systems II

Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00

GEOL- Geology

GEOL& 101: Introduction to Physical Geology

GS, NSL, SU- In this Geology course, students will study the structure of the solid Earth and the physical processes which produce change. The class will stress environmental concerns and sustainability issues as they relate to geology. Recent discoveries and observational techniques will be discussed, and students will apply geologic concepts in laboratory activities and simulations and take part in field investigations. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Global Studies,
Natural Science,
Natural Science LAB,
Sustainability
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.
Lab Supply/Materials Fee $45.00

GEOL 360: Earth Systems and Global Climate Change

This Geology course is a detailed examination of the elements and processes of Earth Systems Science (ESS). Students will apply ESS principles in analyzing the current climate system, its components, cycles, and feedbacks. Historical climate systems will also be studied, including methods of understanding those systems, and they will be compared and contrasted to current data. Anthropogenic influences on the current system will be examined in detail. Students will evaluate systems modeling software (such as Stella) as well as interpreting general circulation models. Mitigation and adaptation strategies will also be assessed. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Prerequisites
Admission to the BAS-SP program, OR permission from the BAS-SP program administrator.
Lab Supply/Materials Fee $45.00

GS- Global Studies

GS 101: Introduction to Global Studies

EDP, GS, H, SS, SU- Students in this Global Studies course examine the history of globalization and the emergence of the global political economy. Students investigate economic, environmental, health, and cultural challenges and opportunities of globalization, as well as the ways in which globalization impacts us all as individuals. Human rights issues that have arisen due to globalization will be explored through examination of political, social, and economic issues and social movements such as environmentalism, sustainability, feminism, and capitalism.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities,
Social Science,
Sustainability
Prerequisites
Placement into ENGL 95 or above.

GS 150: Globalization, Culture and Identity

EDP, GS, H, IL, SS- This global studies course introduces students to the dynamics of identity-formation and cultural transformation in the context of globalization. The focus will be broadly comparative and historical, enabling students to reflect on their own experiences of race, class, and gender in relation to that of people around the world and across time. In the process, they will learn about tensions between local ways of life, with their deep historical, linguistic, ethnic, and religious roots, and global pressures for acculturation. Using work drawn from the humanities, social- and natural-sciences, students assess how their local identity, including such things as gender, disability, sexuality, race, ethnicity, class, and spirituality, is negotiated in the era of neocolonialism and globalization. Prerequisite(s): None.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities,
Integrated Learning,
Social Science

GS 220: Regional History and Culture

GS, H, SS- This course examines a selected nation and region with a focus on historical and cultural development. Within the broad framework of history and culture, students will explore the various manifestations of these dynamic forces as they relate to politics, religion, gender, social and economic development, the environment, personal identity, and the nation and region's interconnectedness with the larger global community. Students will be asked to engage multiple perspectives, negotiate the differences they find, and begin to construct an understanding of global citizenship. This course may require service learning participation.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Humanities,
Social Science
Prerequisites
Placement into ENGL 95 or above.

GS 230: Contemporary Japan

EDP,GS,H,IL,SS- In this Global Studies course students will use interdisciplinary perspectives to develop a comprehensive overview of contemporary Japanese society, exploring such topics as popular culture, gender and sexuality, work and family life, social inequality, and international relations. This class includes a community-based learning component. Students will examine recent changes in Japanese society and gain an ability to discuss current social issues. No prior knowledge of Japanese society or Japanese language is required.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities,
Integrated Learning,
Social Science
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

HIST- History

HIST& 126: World Civilizations I

EDP, GS, H, SS- This history course examines the social, economic, political, intellectual, and artistic achievements of civilizations from the emergence of complex societies through the end of the ancient world (circa 500 C.E.). Students will obtain a global perspective by studying different cultures, worldviews and social institutions, as well as systems of thought and belief as they evolved through this historical period. Students will critically examine primary source material, such as written texts, artistic productions, and archeological evidence as a complement to information gleaned from secondary sources. Courses in the World Civilizations series, HIST&126, HIST&127, and HIST&128 may be taken independently and in any order.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities,
Social Science
Prerequisites
Placement into ENGL 95 or above.

HIST& 127: World Civilizations II

EDP, GS, H, SS- This history course examines the social, economic, political, intellectual, and artistic achievements of post-classical, medieval, and early modern world civilizations from about 500 C.E. to about 1750 C.E. Students will obtain a global perspective by studying different cultures, worldviews and social institutions, as well as great systems of thought which laid the foundations of the modern world. The increasingly global interaction of cultures in both enriching and exploitative ways will also be emphasized. Students will critically examine primary source material, such as written texts, artistic productions, and archeological evidence as a complement to information gleaned from secondary sources. Courses in the World Civilizations series, (126, 127, and 128) may be taken independently and in any order.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities,
Social Science
Prerequisites
Placement into ENGL 95 or above.

HIST& 128: World Civilizations III

EDP, GS, H, SS- Using a world systems approach, this history course studies the social, economic, political, intellectual, and artistic achievements of civilizations in Africa, the Americas, Asia, and the Pacific, and Europe from 1750 to the present. The course focuses on the development of modern world political, social, and economic systems and ideologies, war and revolution, colonalization and decolonalization, and the rise and fall of superpowers, and how these changes have impacted culture, art, and literature as well as individual lives. Students will acquire a global perspective through transnational exploration of human values, cultures, and institutions. The global interaction of cultures in both positive and enriching, and conversely, negative and exploitative ways will also be emphasized. Students will critically examine primary source material, such as written texts, artistic productions and other evidence as a complement to informative gleaned from secondary sources. Courses in the World Civilizations series, HIST&126, HIST&127 and HIST&128 may be taken independently and in any order.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities,
Social Science
Prerequisites
Placement into ENGL 95 or above.

HIST& 146: United States History I

EDP,GS,H,SS- This course examines the creation and evolution of the United States beginning with pre-contact native peoples and continuing through the early years of the 19th century. The course focuses on key figures, events and eras and explores within a global context the important themes and issues relevant to the nation's historical development, including Native American societies, colonization, slavery, the revolutionary era, establishment of the Constitution, and the early years of the republic. Students will develop historical thinking skills and draw conclusions from contradictory primary sources and historical interpretations. The diverse history of the nation will be emphasized by examining individual cultures, their interactions, and the challenges faced by multicultural America. Courses in the U. S. History series, HIST&146, HIST&147, and HIST&148 may be taken independently and in any order.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities,
Social Science
Prerequisites
Placement into ENGL 95 or above.

HIST& 147: United States History II

EDP,GS,H,SS- This course examines the history of the United States from the early years of the republic through the Nineteenth Century. It focuses on key figures, events and eras, and explores within a global context the important themes and issues relevant to the nation¿s historical development, including the early years of the republic, revolutionary changes in transportation and the economy, Manifest Destiny, and westward expansion/conquest and indigenous nations, slavery, the Civil War and Reconstruction, the rise of industry and labor, and Imperialism. Students will develop historical thinking skills and draw conclusions from contradictory primary sources and historical interpretations. The diverse history of the nation will be emphasized by examining individual cultures, their interactions, and the challenges faced by multicultural America. Courses in the U. S. History series, HIST&146, HIST&147, and HIST&148 may be taken independently and in any order.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities,
Social Science
Prerequisites
Placement into ENGL 95 or above.

HIST& 148: United States History III

EDP,GS,H,SS- This course examines the history of the United States during the 20th century. The course focuses on key figures, events and eras, and explores within a global context the important themes and issues relevant to the nation's historical development, including the Progressive era, World Wars I and II, the Great Depression and New Deal, the Cold War, Civil Rights, the Vietnam War, and beyond. Students will develop historical thinking skills and draw conclusions from contradictory primary sources and historical interpretations. The diverse history of the nation will be emphasized by examining individual cultures, their interactions, and the challenges faced by multicultural America. Courses in the U. S. History series, HIST&146, HIST&147, and HIST&148 may be taken independently and in any order.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities,
Social Science
Prerequisites
Placement into ENGL 95 or above.

HIST& 214: Pacific Northwest History

EDP, GS, H, SS- This history course examines the evolution and development of the Pacific Northwest region beginning with Native American societies and settlements. Major themes include cultures meeting and in conflict, exploration and settlement, American expansion, economic exploitation, radical labor movements, role in the World Wars, and contemporary issues in a changing global economy and multi-cultural society.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities,
Social Science
Prerequisites
Placement into ENGL 95 or above.

HIST 150: Cultural Diversity & Challenges in United States History

EDP, GS, H, IL, SS- This course examines the multicultural history of the United States from pre-European contact with North America to the present. It focuses on the contributions and experiences of various peoples, as they interact with the historical manifestations of power and privilege and the nation¿s historical development, including Slavery, Native American displacement, the Mexican America war, the Civil War, the Spanish American War, the Progressive era, World Wars I and II, the Great Depression and New Deal, the Cold War, Civil Rights, the Vietnam War, and current conflicts and debates such as race, immigration, and identity politics. Students will develop historical thinking skills and draw conclusions from contradictory primary sources and historical interpretations as they examine the history of diversity in the United States and the creation of a pluralistic society. The diverse history of the nation will be emphasized by examining individual cultures, their interactions, and the challenges faced by marginalized communities in the U.S. This course may include a community-based learning project. Prerequisite(s): None.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Humanities,
Integrated Learning,
Social Science

HIST 210: Islamic Civilization

GS, H, SS- This course introduces students to major developments in Islamic civilization from the advent of Islam to the present. It examines the basic principles of the Islamic religion, and how Islam has been experienced in different parts of the Islamic world and throughout history. The course explores the ways in which the religion of Islam has been embraced and practiced by diverse cultures of the globe including those found in Africa, Asia (including the Middle East), Europe, and the Americas. Furthermore, the course explores how Islam has influenced conceptions of authority, law, philosophy, science, mathematics, literature, and art. Finally, the course will examine variations in the status of women within Islamic civilization, both across time and in different cultural and socioeconomic settings.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Humanities,
Social Science
Prerequisites
Placement into ENGL 95 or above.

HIST 262: United States Foreign Relations in the 20th Century

GS, H, SS- Examines the global dimensions of United States history in the 20th Century. The course focuses on key figures, events and eras, and explores important themes and issues relevant to the nation's foreign relations including the rise to global power, the nation's participation in two world wars, the Cold War, the war in Vietnam, various global interventions, and terrorism. Students will develop historical thinking skills and draw conclusions from contradictory primary sources and historical interpretations.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Humanities,
Social Science
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

HIST 268: Modern Latin American History

GS, H, SS- This course surveys the modern history of Latin America from the nineteenth century to the present by focusing on interrelated phenomena such as the development of democracy in most nations and American economic influence in the region. Some of the topics that will be discussed include the formation of Latin American countries, national revolutions, dictatorships, military in politics, formation of class and race, labor movements, immigration, liberation theology, wars in Central America, human rights, environmental consciousness, and the current debt crisis.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Humanities,
Social Science
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

HUM-Humanities

HUM 107: Introduction to Human-Centered Design

EDP, H, IL, SU- This humanities course introduces human-centered design as a methodology for creating sustainable, inclusive, and equitable innovations for complex and interconnected global problems. Students will examine the relationship between humans and designed technological systems and will explore the impacts of these designs on users and their habits, communities, and environments. Projects offer students practice in designing for products, experiences, and solutions.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Humanities,
Integrated Learning,
Sustainability
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

HUM 120: Regional Life and Culture

H- A humanities cultural studies course based on the concept of place, the local and global culture, story, history and personal geography. The course is heavily experiential and writing intensive. The course will utilize the moment provided by the student's perspective from being inside or outside of her/his place/culture to examine her/his personal, local, regional and national place in a global society. The student will engage in critical and comparative inquiry based on the chosen readings, invited speakers, and out of class learning environments/ activities. The primary focus throughout the course will be on knowledge of self as a global citizen. Incorporating community-based and project-based learning, this course will involve students in partnerships with people from a 'local' community through gathering story and oral history as research. Art, film, literary forms, primary sources and personal narrative from local/regional artists/writers/performers will be viewed as primary texts. This course is particularly designed for students who are 'out' of their 'local' or 'place', e.g., study abroad students or international students attending Cascadia but is not limited to this cohort.
Prerequisite(s): None.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Humanities

HUM 150: Introduction to Cultural Studies

EDP, H, IL- This humanities course introduces students to the terms, strategies, and methodologies of Cultural Studies. Students will explore how cultural texts such as literature, film, visual art, digital media, music, and performance are consumed, produced, distributed, and responded to by diverse communities, with a special emphasis placed on the cultural texts of US-based social movements. Students will examine how identities, ideas, and events are represented by dominant meaning-makers and the ways that particular communities resist this representation and create alternative texts. Students consider the impact of race, gender, ethnicity, sexuality, class, education, ability, and institutional affiliations on access to resources, power, and privilege. This course includes an Integrated Learning project.
Prerequisite(s): None.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities,
Integrated Learning

HUM 196: Humanities Individualized Project I

RE- Students will research and produce or perform a project in a humanities subject or an interdisciplinary topic emphasizing the humanities in some way. The content, learning outcomes, and assessment methods of the project are developed by the supervising instructor and student(s).
Prerequisite(s): Permission of Instructor or Division Chair/Dean.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00

HUM 197: Humanities Internship I

IL, RE- The student will identify an opportunity for an internship or volunteer prospect that matches both the outcomes of the area of interest and the student's interests. Together with an instructor, the student will complete a written contract that specifies the learning outcomes and defines the duration of the course and the credits to be granted upon successful completion. This course is aimed toward students who are doing an internship for the first time.
Prerequisite(s): Permission of Instructor or Division Chair/Dean.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

HUM 198: Special Topics in Humanities I

RE-The instructor, possibly in collaboration with students, designs course content, activities and learning outcomes that address a new topical or thematic approach to the humanities. Students will develop learning, thinking, communicating and interacting abilities.
Prerequisite(s): Permission of Instructor or Division Chair/Dean.
Credits 1
-5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

HUM 199: Community-Based Learning in Humanities I

IL, RE- Community-based learning provides a mechanism to combine academic studies with community service. In concert with a faculty advisor and community agency representative, students develop and apply skills and expertise from the humanities in a community setting. The student will be involved in defining the project scope and will be required to travel off-campus to the service site. This course is aimed towards students who are doing independent community-based learning for the first time.
Prerequisite(s): Instructor or Division Chair/Dean.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

HUM 296: Humanities Individualized Project II

RE- Students will research and produce or perform a project in a humanities subject or an interdisciplinary topic emphasizing the humanities in some way. The content, learning outcomes, and assessment methods of the project are developed by the supervising instructor and student(s).
Prerequisite(s): Permission of Instructor or Division Chair/Dean.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00

HUM 297: Humanities Internship II

IL, RE- The student will identify an opportunity for an internship or volunteer prospect that matches both the outcomes of the area of interest and the student's interests. Together with an instructor, the student will complete a written contract that specifies the learning outcomes and defines the duration of the course and the credits to be granted upon successful completion. This course is aimed toward students who are doing an internship for the second time.
Prerequisite(s): Permission of Instructor or Division Chair/Dean.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

HUM 298: Special Topics in Humanities II

RE- The instructor, possibly in collaboration with students, designs course content, activities, and learning outcomes that address a new topical or thematic approach to the humanities. Students will develop learning, thinking, communicating, and interacting abilities.
Prerequisite(s): Permission of Instructor or Division Chair/Dean.
Credits 1
-5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

HUM 299: Community-Based Learning in Humanities II

IL, RE- Community-based learning provides a mechanism to combine academic studies with community service. In concert with a faculty advisor and community agency representative, students develop and apply skills and expertise from the humanities in a community setting. The student will be involved in defining the project scope and will be required to travel off-campus to the service site. This course is aimed towards students who are doing independent community-based learning for the second time.
Prerequisite(s): Permission of Instructor or Division Chair/Dean.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

HUM 330: Design Research Methodologies

Design problems are human problems, and to design towards an elegant solution is to engage in an iterative process rooted in empathy with the user. In this humanities course, students will gain a deeper understanding of the roles of research, storytelling, and problem solving in design processes. Students will practice defining problems, determining research questions, identifying appropriate design research methodologies, crafting user personas and feature narratives, synthesizing research findings, and producing visuals that communicate design insights and solutions.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-IT program: AND completion of ENGL& 235 with a grade of 2.0 or higher; or instructor permission.

IT- Information Technology

IT-CS 101: Introduction to Computer Science

RE- In this computer science course students survey fundamental concepts of computer science and computational thinking. Students learn to design and evaluate solutions and to apply computer science concepts and techniques to solve problems through the development of algorithms and programs. Students are introduced to logical reasoning, procedural decomposition, conditionals, iteration, problem solving, incorporating abstraction into programs and using data to discover new knowledge. Students explain how computing innovations and computing systems work (including the Internet), explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. No previous programming experience is expected.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Completion of MATH 75 or MFUND 75 with a grade of 2.0 or higher or placement into MATH 85; AND admission to the Bachelor of Science Computer Science Degree, or permission from a Computer Science program advisor.

IT-CS 115: Introduction to Programming

E- This introductory programming Information Technology (IT) class emphasizes problem solving through exploration of computer programming, variable typing and assignment, basic control structures loops, branches, functions, subprograms, and arrays using a language such as JAVA. Students also explore how human culture affects the use of computer programs.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Completion of MATH 84 or MATH 85 or MFUND 85 with a grade of 2.0 or higher or placement into MATH 95/ &107/ &131/ &132/ &146.
Lab Supply/Materials Fee $25.00

IT-CS 116: Scripting

RE- In learning JavaScript, students will apply their programming skills to develop web pages, including loops, conditionals, arrays, and functions. In this Informational Technology (IT) course students are introduced to the JavaScript object model, user-defined objects, event handlers, forms, and cascading style sheets.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Completion of IT-CS (or BIT) 115 with a grade of 2.0 or higher, or instructor permission.
Lab Supply/Materials Fee $25.00

IT-CS 142: Intermediate Programming

E- This is an intermediate Information Technology (IT) course in computer science using a language such as Java or C#. This course covers variable types, expressions and expression evaluation, control structures, functions (including parameters and return values), text file input and output (I/O), arrays, references/memory management, and object oriented programming (including encapsulation, inheritance, polymorphism, and interfaces). The emphasis of this course will be program design, programming foundations, and object oriented programming.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Completion of MATH 94 or MATH 95 or above AND IT-CS 116 (formerly BIT 116) with a grade of 2.0 or higher; OR completion of MATH& 141 or above AND IT-CS 115 (formerly BIT 115) with a grade of 2.0 or higher; OR permission with entry code.
Lab Supply/Materials Fee $25.00

IT-CS 143: Programming Data Structures

E- This Information Technology (IT) course extends the fundamentals covered in Intermediate Programming. The course will cover program specification and design, abstract data types and OOP (including generics). Topics will include dynamic arrays, stacks, queues, linked lists, binary trees, and recursion; students will both implement algorithms and data structures 'from scratch' as well as utilize existing classes in standard library/ies. Taught in a language like Java or C#.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Completion of IT-CS 142 (formerly BIT 142) with a grade of 2.0 or higher.
Lab Supply/Materials Fee $25.00

IT-CS 170: Linear Algebra for Data Analysis

RE- In this computer science course students use a high-level programming language as a vehicle to discuss those aspects of linear algebra that are most important in data analytics. Students develop intuition and an understanding of how to use linear algebra, rather than on proofs. The main topics include basic matrix operations, linear transformations, ranges, linear combinations and spans, systems of linear equations, symmetric matrices, inverses, determinants, triangular matrices, trace, eigenvalues and eigenvectors.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Completion of MATH& 141 with a grade of 2.0 or higher or placement into MATH& 142.

IT-CS 243: Software Development Tools

RE- In this Computer Science course, students will learn about and practice using the tools that developers use on a daily basis such as the debugger, command line, version control systems, and other collaboration tools. Students are also introduced to software testing, writing test cases, and the test-driven development process.
Credits 3
Lecture Hours 33.00
Lab Hours 0
Other Hours 0.00
Total Hours 33.00
Prerequisites
Completion of IT-CS 142 or placement into IT-CS 143 AND admission to the Bachelor of Science Computer Science Degree, or permission from a Computer Science program advisor.

IT-CS 265: Structures and Algorithms

E- This Information Technology (IT) course teaches the students about the design and analysis of algorithms. Students will learn about big O notation, trees, tables, graphs, hashing, and methods of sorting and searching.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Completion of IT-CS 143 (formerly BIT 143) with a grade of 2.0 or higher.
Lab Supply/Materials Fee $25.00

IT-CS 295: Computer Science Career Seminar

RE- In this computer science course students investigate possible careers in the computer field: the types of positions, job functions, salaries, expectations, requirements, skills, and abilities necessary for successful employment. Includes review and reflection on the variety of computer science careers and their associated skills and professional responsibilities, mapping these to program requirements and ethical implications. Students organize their career objectives, including a timetable, resources, and steps needed to achieve those objectives. Students create or refine a professional persona including resume and online portfolio, identify and participate in local professional networks and networking events, and investigate community-based learning, internship and mentorships. Students prepare for technical interviews, develop their job search materials, and expand their professional network.
Credits 2
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00
Total Hours 22.00
Prerequisites
Admission to the Bachelor of Science Computer Science Degree, or permission from a Computer Science program advisor.

IT-CS 301: Foundations of Software Development

In this computer science course students will gain practical experience in object-oriented programming. They will apply elementary data structures and algorithms to medium-scale applications. Students gain exposure to fundamental computing theory, including grammars, languages, automata, and major results in computability and complexity theory. Emphasis is placed on collaborative problem-solving, effective version control, memory management techniques, and command-line proficiency.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Prerequisites
Completion of IT-CS 143 with a grade of 2.0 or higher; AND admission to the Bachelor of Science Computer Science Degree; OR permission from a Computer Science program advisor.

IT-CS 311: Discrete Structures 1

In this computer science course, students explore fundamental concepts of discrete mathematics and their applications in computer science. Students develop reasoning and problem-solving skills necessary for formal mathematical proofs, logic, combinatorial analysis, and probability. Students learn to analyze and solve problems that are foundational to advanced areas of computing, including cryptography and algorithm design.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Prerequisites
Completion of IT-CS 170 with a grade of 2.0 or higher; AND admission to the Bachelor of Science Computer Science Degree; OR permission from a Computer Science program advisor.

IT-CS 312: Discrete Structures 2

In this computer science course students will continue exploring topics introduced in Discrete Structures 1. This course introduces students to ideas and techniques that form the basis of data structures and algorithms used in Computer Science. Students will learn the fundamentals of graph theory, set theory, relations, enumeration, and recursive structures.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Prerequisites
Completion of IT-CS 301with a grade of 2.0 or higher AND completion of IT-CS 311 with a grade of 2.0 or higher; AND admission to the Bachelor of Science Computer Science Degree, or permission from a Computer Science program advisor.

IT-CS 334: Data Structures and Algorithms 2

In this computer science course students will continue their exploration of data structures and algorithms, focusing on real-world applications of algorithms in graph theory, memory management, and data transfer. Topics include undirected and directed graphs, minimum spanning trees, shortest paths, tries, regular expressions, reductions, and computational intractability. Emphasis is placed on analyzing algorithmic efficiency, memory interaction, and practical applications in networking and data processing.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Prerequisites
Completion of IT-CS 265 with a grade of 2.0 or higher; AND admission to the Bachelor of Science Computer Science Degree; OR permission from a Computer Science program advisor.

IT-CS 340: Lifecycle Management

This Information Technology (IT) course gives students the opportunity to work within a development team using processes and tools needed to manage the software development lifecycle, from concept to completion: planning, development, testing, deployment, maintenance, bug tracking, and user analytics. Students investigate and utilize tools for task management, scheduling, resource management, reporting, and analytics.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-IT program.

IT-CS 350: Software Design Patterns and Techniques

This Information Technology (IT) course introduces students to essential software design principles and patterns related to software development and puts them into practice. These include principles of the Object-Oriented Programming paradigm like Single-responsibility and Open/Closed principle, software architectural elements like Representational State Transfer (REST) and multi-threading, as well as software design patterns such as Factory, Decorator, Strategy, and Model-View-Controller (MVC) patterns.
Prerequisite(s): Admission to BS-Computer Science or BAS-Sustainable Practices programs.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00

IT-CS 397: Computer Science Seminar

Credits 1
Lecture Hours 11.00
Lab Hours 0
Other Hours 0.00

IT-CS 398: Computer Science Seminar

Credits 1
Lecture Hours 11.00
Lab Hours 0
Other Hours 0.00

IT-CS 402: Statistical Methods for Testing

Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00

IT-CS 421: Algorithmic Problem Solving

Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00

IT-CS 433: Programming Languages

Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00

IT-CS 442: Principles of Computer Systems

Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00

IT-CS 450: Security Foundations

Credits 2
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00

IT-CS 485: Capstone Project 1

Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00

IT-CS 486: Capstone Project 2

Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00

IT-CS 499: CS Seminar

Credits 1
Lecture Hours 11.00
Lab Hours 0
Other Hours 0.00

IT-MOB 271: Mobile User Interface Design

RE- This course explores the concepts, strategies, tools, and processes needed to create effective and compelling user experiences on mobile platforms. Students will work through the design stages on a variety of mobile apps from concept to design completion using storyboards, feature requirements, rapid prototyping, and user testing techniques in this Information Technology (IT) course. A peer design review process helps students further refine their designs.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-IT program, OR completion of IT-WEB 175 (formerly BIT 175) with a grade of 2.0 or higher OR instructor permission.
Lab Supply/Materials Fee $40.00

IT-MOB 300: Get-Set Mobile Development

In this Information Technology (IT) course, students explore their interest and readiness for BAS-IT Mobile, imagine and ground themselves as mobile developers, and experiment with development tools, processes, and languages. Students will also begin to build personal connections with peers and professionals in the field to prepare for a career in mobile development.
Credits 1
Lecture Hours 11.00
Lab Hours 0
Other Hours 0.00
Total Hours 11.00
Prerequisites
Admission to the BAS-IT program; OR instructor permission.

IT-MOB 371: Android Applications Development I

Students in a development team will create a custom Android app using key components of the Android Software Developer Kit. Following agile development practice, students will design and implement app features utilizing input from stakeholders, evolving requirements, frequent review, integrated testing, and structured team collaboration. This Information Technology (IT) course emphasizes Android programming fundamentals, version control in a team environment, and testing. Marketplace distribution of apps will also be explored.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-IT program, AND co-enrollment or completion of IT-MOB 271 with a grade of 2.0 or higher, OR instructor permission.
Lab Supply/Materials Fee $40.00

IT-MOB 372: Android Applications Development II

Students in this Information Technology (IT) course will continue building and updating apps while exploring advanced Android development topics such as asynchronous web service requests, communication infrastructure, and platform specific design architectures. Students will deepen their agile development skills, teamwork and troubleshooting practices, and testing experience using both automated user interface testing and managed user testing via alpha/beta releases on the Android marketplace.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to BAS-IT program, AND completion of IT-MOB 371 with a grade of 2.0 or higher, OR instructor permission.
Lab Supply/Materials Fee $40.00

IT-MOB 381: iOS App Development I

Students in this Information Technology (IT) course will learn to build iOS applications as part of an agile development team. Using XCode to develop, debug and test, students will craft an application that leverages major components of the iOS Software Developer Kit (SDK). Students will prototype and test user interface (UI) designs while exploring techniques for handling various screen sizes including UI testing. The course will emphasize iOS programming patterns, development fundamentals, and version control in a team environment. App Store requirements will be explored as well.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-IT program, AND co-enrollment or completion of IT-MOB 271 with a grade of 2.0 or higher, OR instructor permission.
Lab Supply/Materials Fee $40.00

IT-MOB 382: iOS Application Development II

Students in this Information Technology (IT) course will continue creating iOS apps within development teams, learning advanced topics including custom user interface (UI) development, Objective-C integration, iOS Extensions, specialized developer kits and open-source libraries, cloud services, and multi-threading. The course will emphasize writing, review, profiling, and testing code, as well as app packaging and distribution via the App Store.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-IT program, AND completion of IT-MOB 381 (formerly BIT 381) with a grade of 2.0 or higher, OR instructor permission.
Lab Supply/Materials Fee $40.00

IT-MOB 470: Mobile Backend Services

This Information Technology (IT) course introduces Backend-as-a-Service frameworks for working with identities and data across multiple devices, platforms, and applications. Students explore several options including Function-as-a-Service (FaaS), Platform-as-a-Service (PaaS) and containers. The benefits, limitations, and key distinctions of different architectures are considered as well as issues of offline synchronization and compliance with industry-specific and regional regulations (HIPAA, PCI-DSS, or FIPS). Students will also learn and practice development methodologies suitable for deploying applications on modern cloud platforms.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-IT program, AND Completion of IT-CS 340, IT-MOB 372, and IT-MOB 382 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $25.00

IT-MOB 480: Trends in Mobile Ecosystems

This Information Technology (IT) course explores current and emerging tools and trends in mobile application development. Students will research and report on topics of particular interest. Sample topics may include collaborative app development, location-based services, augmented reality, software-as-a-service, the Internet of Things, cloud services, machine learning, artificial intelligence, wearable app integration, and chatbots.
Credits 2
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00
Total Hours 22.00
Prerequisites
Admission to the BAS-IT program; OR instructor permission.
Lab Supply/Materials Fee $25.00

IT-OPS 100: Introduction to Information Technology

RE- This course provides a foundation for students seeking a career in Information Technology (IT). Students will learn the history of IT and assess how it has affected the business world and our society in general. Students will explore the different career paths based on core technologies. Industry leaders of the past and those that are currently shaping the IT industry will be introduced. Integration firms who operate in the IT industry will be explored. Emerging technologies will be presented to familiarize students with the scope of the IT industry. Prerequisite(s): None.
Credits 5
Lab Hours 0
Other Hours 0.00

IT-OPS 101: Desktop Support Technician

RE- In this Information Technology (IT) course on desktop support students will acquire skills required by information technology professionals who support end users and troubleshoot desktop environments. Students will learn the fundamentals of computer hardware and maintenance. Key topics will include computer troubleshooting with an emphasis on the installation and configuration of Windows client machines within a domain infrastructure. Students will develop necessary soft skills to educate computer end users to help them solve hardware problems on client computers. They will also attain basic technical skills to collaborate with the Windows enterprise administrators, security administrators, and server administrators to implement a modern desktop environment that meets the needs of a business organization. This course is geared toward the CompTIA A+ and Microsoft Modern Desktop Administrator industry certifications.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.
Lab Supply/Materials Fee $40.00

IT-OPS 102: Networking Fundamentals

RE- This Information Technology (IT) course focuses on the fundamentals of computer networking, providing students with the building blocks of how data travels throughout twentieth century network technologies. Students will learn how to install, configure, operate, and troubleshoot local area networks and wide area networks. Key topics include core networking concepts, routing and switching technologies with implementation and verification of connectivity to Local Area Network (LAN) and Wide Area Network (WAN) environments. Students will also learn routing protocols and implement network address schemes. This course is geared toward the Cisco Certified Support Technician (CCST) Networking and the CompTIA Network+ industry certifications.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.
Lab Supply/Materials Fee $40.00

IT-OPS 125: Cloud Foundations

RE- Cloud Foundations is a comprehensive course designed to demystify cloud computing. Students will explore essential characteristics of the cloud and emerging technologies in various cloud platforms with an emphasis on Amazon Web Services (AWS). With a broad exploration of the different cloud service models, students will develop knowledge of services such as cloud concepts, economics, global infrastructures, security, and multiple cloud architectures. Students will experience practical skills with hands-on labs and real-world scenarios in core areas of compute, storage, databases, networking, security, and developer tools. This course is geared towards the AWS Cloud Practitioner certification.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Prerequisites
Completion of IT-OPS 102 (formerly BIT102) with a grade of 2.0 or higher, or instructor permission.
Lab Supply/Materials Fee $25.00

IT-OPS 130: Server Administration

RE- This Information Technology (IT) course prepares students to become network administrators of client/server networks. The role of a network administrator is to manage the overall integrity of the network. Students will learn how to plan, implement, and manage servers to increase reliability, and high availability of the network server infrastructures. Key topics will include installation of server roles, server performance maintenance and management, virtual machines administration, and storage management and file services. This course is geared toward the administration of Microsoft Windows Server Core Infrastructure industry certification.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Prerequisites
Co-enrollment with or completion of IT-OPS 102 (formerly BIT102) with a grade of 2.0 or higher, or instructor permission.
Lab Supply/Materials Fee $40.00

IT-OPS 135: Advanced Network Infrastructure

RE- With workplace environments progressively characterized by globalization, collaboration, and mobility, IT professionals must design network infrastructures to support a distributed workforce. This Information Technology course provides students with the knowledge and skills to configure and troubleshoot server network infrastructures. Students will learn to install, configure, operate, and troubleshoot switched networks, including implementation and verification of connections to remote sites in a WAN. Students will gain an understanding of the current network technologies used in client/server IP-enabled networks. Students will also learn how to configure routers, Cisco IOS Software management, routing protocol configuration, TCP/IP, and access control lists (ACLs). Key topics include subnetting, intermediate routing protocols, command-line interface configuration of switches, Ethernet switching, Virtual LANs (VLANs), Spanning Tree Protocol (STP), and VLAN Trunking Protocol (VTP). The course focuses on advanced IP addressing techniques (Network Address Translation [NAT], Port Address Translation [PAT], and DHCP), WAN technology and terminology, PPP, ISDN, DDR, Frame Relay, and network management. This course is geared toward the Cisco CCNA Routing and Switching 640-802 industry certification.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Prerequisites
Completion of IT-OPS 102 (formerly BIT102) with a grade of 2.0 or higher, or instructor permission.
Lab Supply/Materials Fee $40.00

IT-OPS 140: Advanced Server Administration

RE- In this Information Technology (IT) course, students will learn how to design an Active Directory Infrastructure in a client/server environment. Active Directory is an essential entity for system administrators to manage the identities and relationships that make up an organization's network.. Students will implement and perform tasks related to server security, troubleshooting, monitoring, availability, and disaster recovery. Students will also learn how to use different administrative tools and technologies such as Windows Administrative Center, PowerShell, Automation Update Management, and Defender for Identity to migrate server workloads and protect the Windows Server environments. This course is geared toward the configuration of Microsoft Windows Server Advanced Services industry certification.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Prerequisites
Completion of IT-OPS 130 (formerly BIT 130) with a grade of 2.0 or higher.
Lab Supply/Materials Fee $40.00

IT-OPS 145: Security Essentials

RE- This Information Technology (IT) course covers a broad spectrum of security technologies. The course focuses on cyber and network security through risk management. Security concepts around system security, network infrastructure, and organizational security are emphasized. Students will learn security vulnerabilities and how to implement security measures to analyze an existing network topology.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Prerequisites
Completion of IT-OPS 102 (formerly BIT102) with a grade of 2.0 or higher, or instructor permission.
Lab Supply/Materials Fee $40.00

IT-OPS 170: Linux Administration

RE- This Information Technology (IT) course provides students with skills for Linux Administration. After a preliminary study of Linux and its history, students will develop competent skills in the Linux system. Students will learn how to navigate and perform common user tasks in the shell. An emphasis on system and network administration duties will provide students with a broad skill set for Linux environments. Key topics include Linux distributions, installation, administration, X-Windows, networking, and security. This course is geared toward the CompTIA: Linux+ industry certification Prerequisite(s): None.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Lab Supply/Materials Fee $40.00

IT-OPS 205: Virtualization Technologies

RE- Virtualization is an innovative implementation for developing network infrastructures. This in-depth course provides hands-on training and practical experience in a wide range of virtualization technologies and platforms. From fundamental concepts to advanced configurations, you will gain the skills needed to deploy, manage, and secure virtualized environments effectively. Students will learn the most prevalent virtualization platforms including Citrix, Microsoft, and VMware technologies in a multi-layered enterprise-level topology. This course is geared toward current virtualization certifications.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Prerequisites
Co-enrollment with or completion of IT-OPS 135 with a grade of 2.0 or higher; or instructor permission.
Lab Supply/Materials Fee $25.00

IT-OPS 225: Cloud Architecting

RE- Cloud Architecting explores the essentials of constructing IT infrastructure on the cloud platform with an emphasis on Amazon Web Services (AWS). It aims to equip students with the skills needed to effectively harness cloud technology by understanding the services it offers and integrating them into comprehensive cloud-based solutions.
While architectural approaches may vary across industries, applications, and business scales, this course underscores universal best practices and recommends design patterns to navigate the architecture of efficient IT solutions in the cloud. Through a scenario-driven format, students engage in hands-on exercises to build various infrastructures, developing a practical understanding of cloud architecture. This course is geared towards the AWS Certified Solutions Architect Associate certification.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Prerequisites
Completion of IT-OPS 125 with a grade of 2.0 or higher, or instructor permission.
Lab Supply/Materials Fee $25.00

IT-OPS 258: IT Infrastructure Operations

RE- This Information Technology (IT) course focuses on combining multiple single-purpose networks into a multi-service network, providing a common infrastructure convergence of network technologies. Students will evaluate best practices to enhance the operational efficiencies and productivity of a network. The course will explore details on creating unified and dynamic application infrastructures to create reliable and efficient networks. Students will apply current industry practices for planning and developing network infrastructures working with virtualization and cloud methodologies. This course will utilize communication skills used by IT professionals within team environments. Students will analyze and implement different network infrastructures. Key topics include network documentation, disaster recovery plans, and security implementation into the network infrastructure.
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Prerequisites
Completion of IT-OPS 170 AND IT-OPS 205 (formerly BIT) with a grade of 2.0 or higher, AND co-enrollment with or completion of IT-OPS 140 (formerly BIT) with a grade of 2.0 or higher; OR instructor permission.
Lab Supply/Materials Fee $25.00

IT-WEB 112: Basics of Web Authoring

RE- Students learn the basics of designing and creating web sites including HTML and CSS, semantic markup, page layout and styling, image optimization, and file transfer in this Information Technology (IT) course. Students consider website design principles, create several sites, and test them. Special emphasis is placed on using accessibility, applying W3C standards, and managing a website assets.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Placement into ENGL 95 or above.
Lab Supply/Materials Fee $25.00

IT-WEB 113: User Interface Development

RE- Students explore the design and implementation of effective user interfaces for web sites, mobile apps, and computer applications in this Informational Technology (IT) course. Usability testing and advanced web authoring topics are covered as students gain first-hand experience creating computer graphics for a variety of audiences. Emphasis is placed on aesthetics, accessibility, usability, and working in a team setting to meet client objectives and incorporating client feedback into revisions.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Co-enrollment or completion of IT-WEB 112 with a grade of 2.0 or higher, or instructor permission.
Lab Supply/Materials Fee $25.00

IT-WEB 160: Digital Imaging

RE- This one-credit course will teach students the practical aspects of photographic digital imaging. The students will learn how to utilize digital imaging tools to acquire and manipulate photographic images and graphic elements using applications such as Adobe Photoshop. Students in this Information Technology (IT) course will learn to control, modify, apply special effects, and prepare graphics for various computer-based applications. Prerequisite(s): None.
Credits 1
Lecture Hours 0.00
Lab Hours 22
Other Hours 0.00
Total Hours 22.00
Lab Supply/Materials Fee $5.00

IT-WEB 161: Vector Graphics

RE- This one-credit course will prepare students to utilize vector-based drawing tools for the creation of digital graphics and illustration. Students in this Information Technology (IT) course will learn basic techniques of creating and editing vector graphics while composing digital assets for print and web. Prerequisite(s): None.
Credits 1
Lecture Hours 0.00
Lab Hours 22
Other Hours 0.00
Total Hours 22.00
Lab Supply/Materials Fee $5.00

IT-WEB 175: Front-End Development

RE- This Information Technology (IT) course involves developing responsive, interactive, and accessible web designs using HTML, CSS and JavaScript. Emphasis is placed on creating a variety of effective user experiences given particular design parameters. Students gain hands-on experience in current web development workflows while building a professional web portfolio.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Completion of IT-WEB (formerly BIT) 113 with a grade of 2.0 or higher or instructor permission.
Lab Supply/Materials Fee $25.00

IT-WEB 280: Web Server and Services

RE- Students in this Information Technology (IT) course will learn the set-up, operation, security, and administration of web servers on multiple platforms. Practical experience is gained in configuring web servers, troubleshooting connections, and securing and managing services. Students investigate current web and database server technologies, install, and configure servers on multiple platforms, including commercial hosting options and cloud solutions like Azure, Amazon, and Google Cloud.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Co-enrollment or completion of IT-WEB 112 with a grade of 2.0 or higher, or instructor permission.
Lab Supply/Materials Fee $25.00

IT-WEB 285: Web Applications I

RE- Students in this Information Technology (IT) course will learn the foundations of web application frameworks, design patterns, and application programming interfaces (APIs). Students develop, test, and debug sample applications. The focus is on Model-View-Controller (MVC) program design including persistent data. Practical, hands-on experience is gained as the students work with a technology such as ASP.NET Core, SQL Server and REST APIs on cloud platforms such as Azure, Amazon, and Google Cloud.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Completion of IT-WEB 112 (formerly BIT) AND IT-CS 142 (formerly BIT) with grades of 2.0 or higher.
Lab Supply/Materials Fee $25.00

IT-WEB 286: Web Applications II

RE- Students in this Information Technology (IT) course will work in teams to gain practical experience in creating and managing web applications. Topics of study will include utilization of an MVC framework (such as ASP.Net Core), database integration, server security, and REST APIs (including client-side implementation). Students will work in teams using an Agile approach and a modern version control systems (such as git and GitHub) to refine and implement project features.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Completion of IT 275 AND IT-WEB 285 (formerly BIT) with a grade of 2.0 or higher, or instructor permission.
Lab Supply/Materials Fee $25.00

IT 105: Careers in Professional Technology

RE- This Information Technology (IT) course provides an overview of careers in the computer field: the types of positions, job functions, salaries, expectations, requirements, skills, and abilities necessary for successful employment. Students assess their career objectives, including a timetable, resources, and steps needed to achieve those objectives. Students also prepare for technical interviews, develop their job search materials, and expand their professional network. This course is suitable for those exploring possibilities in IT as well as those preparing to launch a job search. Prerequisite(s): None.
Credits 2
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00
Total Hours 22.00

IT 156: Beginning Spreadsheet

RE- This one-credit Informational Technology (IT) module prepares students to use a spreadsheet application in the classroom and in workplace. In IT 156 students create and manage worksheets, workbooks, tables, charts, and objects and apply formulas and functions. Prerequisite(s): None.
Credits 1
Lecture Hours 0.00
Lab Hours 22
Other Hours 0.00
Total Hours 22.00

IT 157: Advanced Spreadsheet

RE- This one-credit Information Technology (IT) module prepares students to use the advanced functions of a spreadsheet application in the classroom and in workplace. IT 157 includes the use of tools such as formulas, logical functions, data functions, charting, and distributing professional spreadsheets to enhance the preparation and presentation of information.. Prerequisite(s): None.
Credits 1
Lecture Hours 0.00
Lab Hours 22
Other Hours 0.00
Total Hours 22.00

IT 196: IT Individualized Project I

RE- Students in IT 196 will research and produce or perform a project in Business and Information Technology (IT) or an interdisciplinary topic emphasizing Business and Information Technology in some way. The content, learning outcomes, and assessment methods of the project are developed by the supervising instructor and student(s). Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00

IT 197: IT Work-Based Learning I

RE- In IT 197 the student will identify a paid or unpaid internship, volunteer, or employment opportunity that matches both the outcomes of the student's program and their interests. Under the guidance of a faculty advisor, the student will develop appropriate learning outcomes, build on their own capabilities, receive stakeholder feedback, and identify areas of needed growth to prepare for a career in their field. This Information Technology (IT) course uses P/NP grading. Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00

IT 198: Special Topics in IT I

RE- This Information Technology (IT) course, permits students to investigate current and relevant topics in Business and Information Technology. The focus, content, format and delivery vary depending upon the topics documented in a Learning Agreement. Prerequisite(s): Instructor permission.
Credits 5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

IT 199: Service Learning in IT I

Credits 5
Lab Hours 0
Other Hours 0.00

IT 275: Database Design

E- Students in this Information Technology (IT) course will explore and practice with relational and non-relational databases including cloud-base systems. Topics of study include information design, database concepts, conceptual vs. physical data modeling, SQL vs. NoSQL databases, design and development.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Completion of IT-CS 115 or above with a grade of 2.0 or higher.
Lab Supply/Materials Fee $40.00

IT 296: IT Individual Project II

RE- Students in IT 296 will research and produce or perform a project in Information Technology (IT) or an interdisciplinary topic emphasizing Information Technology in some way. The content, learning outcomes, and assessment methods of the project are developed by the supervising instructor and student(s). Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00

IT 297: IT Work-Based Learning II

RE- In IT 297 the student will identify a paid or unpaid internship, volunteer, or employment opportunity that matches both the outcomes of the students program and their interests. Under the guidance of a faculty advisor, the student will develop appropriate learning outcomes, build on their own capabilities, receive stakeholder feedback, and identify areas of needed growth to prepare for a career in their field of Information Technology (IT). This course uses P/ NP grading. Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00

IT 298: Special Topics in IT II

RE- The course permits students to investigate current and relevant topics in Information Technology (IT). The focus, content, format and delivery vary depending upon the topics documented in a Learning Agreement. Prerequisite(s): Permission of Instructor.
Credits 1
-5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

IT 299: Service Learning in IT II

Credits 5
Lab Hours 0
Other Hours 0.00

IT 375: Database Programming

In this Information Technology (IT) course, students will focus on developing and utilizing both SQL and NoSQL databases to manage persistent data for applications. Students will learn various technologies to deliver highly available and highly performant data including NoSQL database models and database caching, as well as the business case for and tradeoffs between relational vs. non-relational databases in application development.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-IT program AND completion of IT 275 with grade of 2.0 or higher OR instructor permission.

IT 396: Individualized Project III

Students will research and produce or perform a project related to programs outcomes and competencies in the field of mobile platforms in this Information Technology (IT) course. The content, learning outcomes, and assessment methods of the project will be developed collaboratively by the advising instructor and student(s).
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Prerequisites
Admission to the BAS-IT program AND instructor permission

IT 397: Work-Based Learning III

Students in this Information Technology (IT) course will engage in hands-on experience through sustained contribution within a work setting in the field of mobile platforms. Under the guidance of a faculty advisor, students will develop learning outcomes that reflect program competencies, build on their own capabilities, and address areas of needed growth to prepare for a career in the field. Students work with a site sponsor to explore key mobile platform technologies within the context of their career outcomes; developing their professional networks, portfolio of work, and job references while refining their career plans.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Prerequisites
Admission to the BAS-IT program AND instructor permission

IT 465: REST API Development

Most modern mobile applications communicate with a server, whether it's sending game scores, posting updates, downloading videos, or receiving notifications. In this Information Technology (IT) course, students will learn how to design and build systems that follow the Representational State Transfer (REST) architectural styles. Students will explore REST design philosophies to build Application Programming Interfaces (APIs) endpoints. Students will also learn how to use Object-Relational Mapping (ORM) techniques and tools to interact with database systems that will support REST applications.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-IT program, AND Completion of IT-CS 340, IT-MOB 372, and IT-MOB 382 with a grade of 2.0 or higher.

IT 490: Capstone Project

Students in this Information Technology (IT) course will identify a specific, authentic project for research or implementation related to some aspect of applications development. Students will define their project, evaluate the outcomes, and present their results to appropriate internal and/or external audiences.
Credits 2
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00
Total Hours 22.00
Prerequisites
Admission to the BAS-IT program, AND completion of at least two credits of IT 397 or IT 497 with a grade of 2.0 or higher, OR instructor permission.

IT 495: Career Development and Networking

In this Information Technology (IT) course, students will craft, revise, and refine their professional persona; polish and publish their online portfolio; practice formal and informal interviewing; identify local professional networks; and attend networking events. Students will also reflect on their capabilities across program outcomes and develop a plan for addressing areas of needed growth to transition to a career in application development.
Credits 2
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00
Total Hours 22.00
Prerequisites
Admission to the BAS-IT program: AND completion of ENGL& 235 with a grade of 2.0 or higher; or instructor permission.

IT 496: Individualized Project IV

Students in this Information Technology (IT) course will research and produce or perform a project related to programs outcomes and competencies in the field of mobile platforms. The content, learning outcomes, and assessment methods of the project will be developed collaboratively by the advising instructor and student(s).
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Prerequisites
Admission to the BAS-IT program AND instructor permission

IT 497: Work-Based Learning IV

In this Information Technology (IT) course, students will engage in hands-on experience through sustained contribution within a work setting in the field of mobile platforms. Under the guidance of a faculty advisor, students will develop learning outcomes that reflect program competencies, build on their own capabilities, and address areas of needed growth to prepare for a career in the field. Students work with a site sponsor to explore key mobile platform technologies within the context of their career outcomes; developing their professional networks, portfolio of work, and job references while refining their career plans.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Prerequisites
Admission to the BAS-IT program AND instructor permission

JAPN- Japanese

JAPN& 121: Japanese I

EDP,GS,H- This course is designed for students who have not had any prior Japanese training. Students will learn the grammar, vocabulary, and pronunciation necessary to communicate in Japanese in cultural contexts. Students also begin to read and write Japanese characters.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

JAPN& 122: Japanese II

EDP,GS,H- Continuing from JAPN&121 in this course students will increase their knowledge of Japanese vocabulary and grammar to improve their communication skills. They will be able to participate in conversations in a variety of social settings by learning more about Japanese people, culture, and communication behaviors. They also learn more Japanese writing systems including Chinese characters.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Completion of JAPN&121 with a grade of 2.0 or higher or placement into JAPN&122.

JAPN& 123: Japanese III

EDP,GS,H- In this course students improve their ability to speak and write in Japanese by adding to vocabulary and learning more complicated sentence structures. They continue to increase their knowledge about Japanese people, culture, and communication behaviors. They begin to differentiate speech styles depending on social circumstances. They continue to learn Kanji (Chinese characters).
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Completion of JAPN&122 with a grade of 2.0 or higher or placement into JAPN&123.

JAPN& 221: Japanese IV

EDP,GS,H- This course reinforces the fundamentals of the Japanese language introduced in Elementary Japanese courses. Students will learn the functional ability to communicate in Japanese beyond the entry level, in such areas as negotiating, suggesting, and requesting and in consideration of degrees of politeness. Both casual and formal speech styles are introduced in appropriate cultural and social contexts. Four Japanese language skills: speaking, listening, reading, and writing are taught from a Japanese cultural framework.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Completion of JAPN&123 with a grade of 2.0 or higher or placement into JAPN&221.

JAPN& 222: Japanese V

EDP,GS,H- In this course students will learn how to initiate, sustain and bring closure in longer conversations by using more complex expressions such as how to change the subject, make indirect questions, make confirmations, and check comprehension. The casual and formal speech styles introduced in JAPN&221 are reviewed and expanded upon. The four Japanese language skills, speaking, listening, reading, and writing are taught from a Japanese cultural framework.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Completion of JAPN&221 with a grade of 2.0 or higher or placement into JAPN&222.

JAPN& 223: Japanese VI

EDP,GS,H- In this course students will learn how to support their opinions, explain reasons in detail, and discuss current topics. Casual and formal speech styles continue to be emphasized according to the requirements of different cultural and social contexts. The four Japanese language skills, speaking, listening, reading, and writing, are taught from a Japanese cultural framework. The course will shift from speaking and listening to reading and writing skills toward the end of quarter.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Completion of JAPN&222 with a grade of 2.0 or higher or placement into JAPN&223.

MATH- Mathematics

MATH& 107: Math in Society

NS, Q- This terminal mathematics course is designed for liberal and fine arts students. Course core topics include linear and exponential growth and decay models, proportional reasoning, personal finance, probability, and descriptive statistics. Additional topics may include discrete math topics such as graph theory or fair division, geometry/trigonometry, math in the arts, symbolic logic supporting probability, or other topics of the instructor's choice. Learners will work in teams on applications and examples relevant to humanities, social sciences and education. Content emphasis is on problem solving and quantitative reasoning. Students communicate results in oral and written form. Technology is integrated throughout the course. See syllabus for specific calculator recommendations.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science, Quantitative Reasoning
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH 84 or MATH 85 or MFUND 85 or above with a grade of 2.0 or higher, or placement into MATH 95/ &107/ &131/ &132/ &146.

MATH& 131: Math for Elementary Education 1

IL, NS, Q- This 5-credit course is one quarter of the 2-quarter mathematics for elementary education sequence. Prospective or practicing elementary school teachers will investigate problem solving techniques and number theory related to topics taught at the K-8 level. Topics will include problem solving, set theory, number theory, multiplicative comparisons and reasoning, ratio, rates, proportions, patterns, functions, and the use of technology. Students will be required to complete 5 hours of classroom experience and submit an evaluation from the field site supervisor observing the student's work with children.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Integrated Learning,
Natural Science,
Quantitative Reasoning
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH 84 or MATH 85 or MFUND 85 or above with a grade of 2.0 or higher, or placement into MATH 95/ &107/ &131/ &132/ &146.

MATH& 132: Math for Elementary Education 2

IL, NS, Q- This 5-credit course is one quarter of the 2-quarter mathematics for elementary education sequence. Prospective or practicing elementary school teachers will investigate problem solving techniques, geometry, probability, and statistics related to topics taught at the K-8 level. Topics will include problem solving, geometry and its applications, measurement, simulating probabilistic situations, sampling, organizing and interpreting data, graphing, and the use of technology. Students will be required to complete 5 hours of classroom experience and submit an evaluation from the field site supervisor observing the student's work with children.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Integrated Learning,
Natural Science,
Quantitative Reasoning
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH 84 or MATH 85 or MFUND 85 or above with a grade of 2.0 or higher, or placement into MATH 95/ &107/ &131/ &132/ &146.

MATH& 141: Precalculus I

NS,Q- This 5-credit, college-level math course is for students intending to pursue coursework in mathematics, the natural or computer sciences, or engineering. The course builds on the base of MATH 095 and assumes that the student plans on taking MATH&142. Learners investigate relations and functions in graphic, numeric, symbolic, and verbal forms. Modeling techniques are introduced while exploring exponential, logarithmic, polynomial, power, and rational functions. Learners investigate applications primarily from a science and engineering perspective. Students communicate results in oral and written form. Technology is integrated throughout the course and a graphing calculator is required.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science,
Quantitative Reasoning
Prerequisites
Placement into ENGL 95 or above; AND completion of MATH 94 or MATH 95 with a grade of 2.0 or higher or placement into MATH&141/ 147 or above.

MATH& 142: Precalculus II

NS, Q- This 5-credit math course is the second half of a two-course sequence designed to prepare students for calculus with an emphasis on those topics and applications most appropriate for a science and engineering curriculum. Topics are investigated graphically, numerically, symbolically, and verbally. Math topics include trigonometric functions, equations, identities, vectors, polar coordinates, parametric equations, and complex numbers. Students will model periodic, real-world problems. Technology is integrated throughout the course and a graphing calculator is required.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science,
Quantitative Reasoning
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH&141 or MATH 147 with a grade of 2.0 or higher or placement into MATH&142/148/246 or above.

MATH& 146: Introduction to Statistics

NS, Q- This math course provides an algebra-based interdisciplinary introduction to the core concepts of statistics and probability. The primary focus will be on– but not limited to–business, natural science, and social science applications. Learners will be introduced to various forms of descriptive statistics. Learners will also gain understanding of the basic tools of statistical inference and analysis while examining data, experiments, and readings in their field of study. Ethical study design and sources of bias will be explored. Emphasis is on interpretation and calculation, and needed technology will be taught along with the subject matter. A graphing calculator is required.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science,
Quantitative Reasoning
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH 84 or MATH 85 or MFUND 85 or above with a grade of 2.0 or higher, or placement into MATH 95/ &107/ &131/ &132/ &146.

MATH& 148: Business Calculus

NS, Q- This 5 credit math course provides an interdisciplinary introduction to the core concepts of calculus with a primary focus on applications from disciplines of economics and the social sciences. The content is applications in differential, integral and multivariable calculus with an introduction to The Fundamental Theorem of Calculus. Learners will continue to refine their independent study skills, cooperative problem solving, logically correct and mathematically precise writing and thinking, and their ability to use geometric, symbolic and analytic formats in presenting solutions to both abstract and real world applications. Technology is integrated throughout the course and a graphing calculator is required.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science,
Quantitative Reasoning
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH&142 OR MATH 147 with a grade of 2.0 or higher or placement into MATH&148.

MATH& 151: Calculus I

NS, Q- This 5-credit math course is the first quarter of the four-quarter calculus sequence that provides an interdisciplinary introduction to the core concepts of differential calculus with a primary focus on applications from the disciplines of mathematics, engineering, and the physical sciences. Content includes limits, theory and applications of differential calculus, and an introduction to basic antiderivatives. Learners will continue to refine independent study skills, cooperative problem solving, logically correct and mathematically precise writing and thinking, and their ability to use geometric, symbolic, and analytic formats in presenting solutions to both abstract and real-world applications. Classroom activities will include lecture/discussion and group work. Students will communicate their results in oral and written form. Graphing calculator required.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science,
Quantitative Reasoning
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH&142 with a grade of 2.0 or higher or placement into MATH&151.

MATH& 152: Calculus II

NS, Q- This 5-credit math course is the second quarter of the three-quarter calculus sequence. Primary content is integral calculus including applications of The Fundamental Theorem of Calculus and separable differential equations. Learners will continue to refine independent study skills, cooperative problem solving, logically correct and mathematically precise writing and thinking, and their ability to use geometric, symbolic, and analytic formats in presenting solutions to both abstract and real world applications. A graphing calculator is required.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science,
Quantitative Reasoning
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH&151 with a grade of 2.0 or higher.

MATH& 163: Calculus 3

NS, Q- This 5-credit math course is the third quarter of the four-quarter calculus sequence. Content includes infinite sequences and series, representation of functions as power series, vectors in two and three dimensions, differentiation, and integration of vector functions, functions of several variables, and partial derivatives with applications that include optimization, directional derivatives, and the gradient. Learners will continue to refine independent study skills, cooperative problem solving, logically correct and mathematically precise writing and thinking, and their ability to use geometric, symbolic, and analytic formats in presenting solutions to both abstract and real-world applications.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science,
Quantitative Reasoning
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH&152 with a grade of 2.0 or higher.

MATH& 264: Calculus 4

NS, Q- Content includes double and triple integrals and their applications, the chain rule, vector fields, line integrals and surface integrals, culminating in the theorems of Green and Stokes, and the Divergence Theorem. Additional topics may include parametric surfaces and their areas, an introduction to second order linear differential equations, series solutions of linear differential equations, applications in physics and engineering, or other topics of instructor¿s choice. Learners will become familiar with the vocabulary of the subject material, develop conceptual understanding of the important topics, use technology to implement their investigations, and analyze and communicate how the concepts can be applied to real-world situations. A graphing calculator is required for this math course.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science,
Quantitative Reasoning
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH&163 with a grade of 2.0 or higher.

MATH 075: Introduction to Algebra

This course reviews arithmetic skills and introduces algebraic notation, rules and concepts. Students explore linear relationships, with an emphasis on graphing and modeling data. Simplifying expressions and solving basic equations are also discussed. Learning to study math successfully, gaining confidence in approach and accuracy, and using a variety of ways of thinking about a single situation are outcomes for learners who take this course. Applications to real life are emphasized. A scientific calculator is required.
NOTE: Credits for this course are not transferable, nor do they apply to any college degree or certificate.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Placement into ENGL 95 or above, AND Completion of MFUND 55 with a grade of 2.0 or higher or placement into MATH 75.

MATH 084: Condensed Essentials of Intermediate Algebra

This course is a condensed version of MATH 85 designed for students who need a refresher of Essentials of Intermediate Algebra topics in order to be ready for MATH 95, &107, &146, &131, &132. Students who placed into MATH 095 or higher may also be interested in taking this course in order to refine essential skills. A scientific calculator is required. Grading for this course is pass/fail only.
NOTE: Credits for this course are not transferable, nor do they apply to any college degree or certificate.
Credits 2
-3
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00
Total Hours 22.00
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH or MFUND 75 with a grade of 2.0 or higher, or placement into MATH 84 or MATH 85.

MATH 085: Essentials of Intermediate Algebra

This math course focuses on algebraic thinking and manipulation. Students will study various types of functions, including linear, exponential, and logarithmic. Graphical and algebraic representations of each type of function is discussed, as well as solving authentic situations with equations. Solving linear systems both graphically and algebraically, exponent properties, and polynomial operations are included. Modeling and interpreting results is emphasized. Learners will develop study skills and habits, collaborative learning skills, and the ability to express math in many forms while working with both abstract and real world applications. A scientific calculator is required.
NOTE: Credits for this course are not transferable, nor do they apply to any college degree or certificate.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH or MFUND 75 with a grade of 2.0 or higher, or placement into MATH 84 or MATH 85.

MATH 094: Algebra for Precalculus Refresher

This course is a fast-paced condensed version of MATH 095 designed for students who only need a refresher of Algebra for Precalculus topics in order to be ready for precalculus level math. Students who placed into MATH&141 or MATH 147 may also take this course in order to refine skills which are essential for successfully completing their next math class. A graphing calculator is required. Grading for this course is pass/fail only.
NOTE: Credits for this course are not transferable, nor do they apply to any college degree or certificate.
Credits 2
Lecture Hours 22.00
Lab Hours 0
Other Hours 0.00
Total Hours 22.00
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH 84 or MATH 85 or MFUND 85 or above with a grade of 2.0 or higher, or placement into MATH 95/ &107/ &131/ &132/ &146.

MATH 095: Algebra for Precalculus

This course builds on the knowledge developed in MATH 085 and prepares students to take Precalculus classes. The study of functions is expanded to quadratic, rational, and radical models including graphical and equation representations. Modeling and interpreting results is emphasized. Learners will continue to refine study skills and habits, team skills, logic, and the ability to express math visually, symbolically, and in written forms while working with both abstract and real world applications. A graphing calculator is required.
NOTE: Credits for this course are not transferable, nor do they apply to any college degree or certificate.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH 84 or MATH 85 or MFUND 85 or above with a grade of 2.0 or higher, or placement into MATH 95/ &107/ &131/ &132/ &146.

MATH 147: Business Precalculus

NS, Q - This college-level math course is for students intending to pursue coursework in business, the social or life sciences, or management. The course builds on the base of MATH 95 and assumes that the student plans on taking MATH&148. Relations and functions are investigated in graphic, numeric, symbolic, and verbal forms. Modeling techniques are introduced while exploring exponential, logarithmic, rational, polynomial, and power functions. Topics introduced include matrices, linear programming, population growth and math of finance. Special topics may include systems of non-linear equations, probability and counting, statistics, graph theory, and logistic functions. Applications are investigated primarily from a life and social science and a business and management perspective. Students communicate results in oral and written form. Technology is integrated throughout the course and a graphing calculator is required. See syllabus for specific calculator recommendations.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science,
Quantitative Reasoning
Prerequisites
Placement into ENGL 95 or above; AND completion of MATH 94 or MATH 95 with a grade of 2.0 or higher or placement into MATH&141/ 147 or above.

MATH 196: Mathematics Individualized Project I

RE- Students will research and produce or perform a project in mathematical or an interdisciplinary topic emphasizing mathematics applications. The content, learning outcomes, and assessment methods of the project are developed by the supervising instructor and student(s).
Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00

MATH 197: Mathematics Internship I

IL, RE- The student will identify an opportunity for an internship or volunteer prospect that matches both the outcomes of the students program and their interests. Together with an instructor, the student will complete a written contract that specifies the learning outcomes and defines the duration of the course and the credits to be granted upon successful completion.
Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

MATH 198: Special Topics In Mathematics I

RE- The instructor, possibly in collaboration with students, designs course content, activities, and learning outcomes that address a new topical or thematic approach to mathematics. Students will develop learning, thinking, communicating and interacting abilities.
Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

MATH 199: Service Learning In Mathematics I

IL, RE- Service learning provides a mechanism to combine academic studies with community service. In concert with a faculty advisor and community partner representative, students develop and apply mathematical skills and expertise in a community setting. Travel off-campus may be required.
Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

MATH 208: Linear Algebra

NS, Q- This math course is an introduction to the vocabulary, concepts, methods, and applications of linear algebra. Learners will become familiar with vector spaces and their important subspaces. Students will connect systems of linear equations, with matrices and matrix algebra. The matrix as a linear transformation in Rn, will be developed leading to concepts of Kernal and Range. The importance of orthogonal sets, eigenspace, and diagonalization will be discovered. Students will be encouraged to conceptually understanding the algebraic and geometric aspects of linearity using technology and applications. Students will be instructed on the use of computer software and applications needed to complement their investigations and will analyze and communicate the modern applications of linear algebra. A scientific calculator is required.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science,
Quantitative Reasoning
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH&152 with a grade of 2.0 or higher.

MATH 238: Differential Equations

NS, Q- Students in this math course will explore first- and second-order differential equations and utilize various methods including undetermined coefficients, variation of parameters, and Laplace transforms to solve these differential equations. Students will also investigate series solutions, numerical approaches, and matrix methods for systems of linear first-order differential equations. Emphasis will be placed on real-world applications and technology will be integrated throughout the course. A graphing calculator is required.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science,
Quantitative Reasoning
Prerequisites
Co-enrollment with or completion of MATH&163 with a grade of 2.0 or higher.

MATH 246: Statistical Analysis

NS, Q, SU- This math course surveys techniques of data analysis used in decision making and research. Learners will work with descriptive and inferential statistics while studying data, correlation, regression, central tendency, probability, randomness, normal distributions, confidence intervals, hypothesis testing, and tests of independence. Materials will focus on business applications including sustainability. Emphasis is on analysis, interpretation, and statistical thinking. Necessary technology will be taught along with the subject matter.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science,
Quantitative Reasoning,
Sustainability
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH&141 or MATH 147 with a grade of 2.0 or higher or placement into MATH&142/148/246 or above.

MATH 296: Mathematics Individualized Project II

RE- Students will research and produce or perform a project in mathematical or an interdisciplinary topic emphasizing mathematics applications. The content, learning outcomes, and assessment methods of the project are developed by the supervising instructor and student(s).
Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00

MATH 297: Mathematics Internship II

IL, RE- The student will identify an opportunity for an internship or volunteer prospect that matches both the outcomes of the students program and their interests. Together with an instructor, the student will complete a written contract that specifies the learning outcomes and defines the duration of the course and the credits to be granted upon successful completion.
Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

MATH 298: Special Topics in Mathematics II

RE- The instructor, possibly in collaboration with students, designs course content, activities and learning outcomes that address a new topical or thematic approach to mathematics. Students will develop learning, thinking, communicating, and interacting abilities.
Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

MATH 299: Service Learning in Mathematics II

IL, RE- Service learning provides a mechanism to combine academic studies with community service. In concert with a faculty advisor and community partner representative, students develop and apply mathematical skills and expertise in a community setting. Travel off-campus may be required.
Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

MUSC- Music

MUSC& 105: Music Appreciation

EDP, H- This course is for students with no prior music training. Students explore music and human behavior related to music across time and in cultures across the world, including the physics of musical instruments and their design and construction, the creation and maintenance of group identity through sound-making and related physical movement, and the diffusion of music culture via demographic change resulting from war, colonialism, slavery, technological innovations, or political or religious movements. Students gain a practical foundation for understanding the ideas and behaviors related to musical traditions and the basic elements of music.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities
Prerequisites
Placement into ENGL 95 or above.

MUSC 130: Popular Music in the United States

EDP, H- This course is designed for students with no prior music training. Students will explore the major eras and forms of popular music in the United States ¿ blackface minstrelsy, brass band music, the Tin Pan Alley songwriting tradition, American musical theater, ragtime, the syncopated orchestra, jazz, blues, country music, rhythm & blues, and rock and roll ¿ in their cultural and historical contexts, including colonialism, capitalism, the African diaspora and the slave trade, migration and other demographic change, the U.S. legal system, the impact of war and other major historical events, and the tension between dominant classes and minority populations from which many music traditions have emerged. Students will also gain a practical foundation for analysis of musical documents by exploring basic elements of songwriting, musical arrangement, recording technology, and the process of record making and promotion.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities
Prerequisites
Placement into ENGL 95 or above.

MUSC 140: Jazz History and Appreciation

EDP, H- This course is for students with no prior music training. Students will explore the foundational elements of the jazz tradition in the United States, including African antecedents, music in African American slave culture (the ring shout, field hollers, spirituals, and work songs), and the basic structures and style periods of jazz and its culture, including ragtime, the syncopated orchestra, early New Orleans jazz, big band swing, the bebop movement, cool jazz, hard bop, the avant garde movement, jazz-rock fusion, neo-traditionalism of the 1980s, and jazz as an international musical discourse. The course will also consider the framing of jazz as a symbolic discourse in relation to ideas such as Black nationalism, democracy, and individual freedom. Students gain a practical foundation for analysis of basic elements of music (the evolution of standard jazz song forms; the role and theoretical underpinnings of improvisation) and of the historical, political and cultural context surrounding the birth and evolution of jazz, including the role of European colonialism, the American and trans-Atlantic slave economy, and the use of jazz as a tool in Civil Rights discourse.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities
Prerequisites
Placement into ENGL 95 or above.

NSCI- Natural Science

NSCI 101: Evolution of Earth Systems

GS, NS- This natural science course is a multidisciplinary exploration of Earth's past, present, and future. Students will examine theories that explain the origin of the universe, solar system, the Earth, and the Earth's interrelated systems. Students will discover how evolutionary changes in both physical and biological systems have resulted in the modern Earth. Students will gain insight as to how systems of feedbacks maintain the planetary balance, and how human impacts to those systems have created global environmental change. Through this, students will gain insight on the process of generating and challenging scientific knowledge.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies, Natural Science
Prerequisites
Placement into ENGL 95 or above.

NSCI 196: Natural Science Individualized Project I

RE- Students will research and produce or perform a project in a scientific subject or an interdisciplinary topic emphasizing the natural sciences in some way. The content, learning outcomes, and assessment methods of the project are developed by the supervising instructor and student(s). Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00

NSCI 197: Natural Science Internship I

IL, RE- The student will identify an opportunity for an internship or volunteer prospect that matches both the outcomes of the student's program and their interests. Together with an instructor, the student will complete a written contract that specifies the learning outcomes and defines the duration of the course and the credits to be granted upon successful completion. Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

NSCI 198: Special Topics in Natural Science I

RE- The instructor, possibly in collaboration with students, designs course content, activities and learning outcomes that address a new topical or thematic approach to the natural sciences. Students will develop learning, thinking, communicating, and interacting abilities. Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

NSCI 199: Service Learning in Natural Science I

IL, RE- Service learning provides a mechanism to combine academic studies with community service. In concert with a faculty advisor and community agency representative, students develop and apply scientific skills and expertise in a community setting. The student will be involved in defining the project scope and will be required to travel off-campus to the service site. Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

NSCI 296: Natural Science Individualized Project II

RE- Students will research and produce or perform a project in a scientific subject or an interdisciplinary topic emphasizing the natural sciences in some way. The content, learning outcomes, and assessment methods of the project are developed by the supervising instructor and student(s). Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00

NSCI 297: Natural Science Internship II

IL, RE- The student will identify an opportunity for an internship or volunteer prospect that matches both the outcomes of the student's program and their interests. Together with an instructor, the student will complete a written contract that specifies the learning outcomes and defines the duration of the course and the credits to be granted upon successful completion. Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

NSCI 298: Special Topics in Natural Science II

RE- The instructor, possibly in collaboration with students, designs course content, activities, and learning outcomes that address a new topical or thematic approach to the natural sciences. Students will develop learning, thinking, communicating, and interacting abilities. Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

NSCI 299: Service Learning in Natural Science II

IL, RE- Service learning provides a mechanism to combine academic studies with community service. In concert with a faculty advisor and community agency representative, students develop and apply scientific skills and expertise in a community setting. The student will be involved in defining the project scope and will be required to travel off-campus to the service site. Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

NUTR- Nutrition

NUTR& 101: Nutrition

NS- In the course students will acquire scientific knowledge needed to evaluate different sources of nutrition information and how to distinguish nutrition facts from nutrition myths. They will explore the foundational elements of a nutritious diet and gain the opportunity to critically assess and reflect upon their own dietary habits, as well as those of others. Students will study relationships between environment, heredity, cultural traditions, habits, and diet, understanding their interconnectedness and impact on health. They will learn how to enhance dietary practices and mitigate the risk factors for lifestyle-related diseases, including cardiovascular disease, type 2 diabetes, obesity, and others. The course is designed for a diverse range of students, including those with little or no biology or chemistry background.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science
Prerequisites
Placement into ENGL 95 or above.

OCEA- Oceanography

OCEA& 101: Introduction to Oceanography with Lab

GS,NSL,SU- Students will study the structure of the Earth's oceans and the physical processes which produce change. Recent discoveries and observational techniques will be discussed, and students will apply concepts from physical, biological, and geological oceanography in laboratory activities and take part in field investigations. Emphasis will be given to sustaining the health of the world's oceans in a global context. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Global Studies,
Natural Science,
Natural Science LAB,
Sustainability
Prerequisites
Completion of MATH 84 or MATH 85 or MFUND 85 with a grade of 2.0 or higher or placement into MATH 95/ &107/ &131/ &132/ &146.
Lab Supply/Materials Fee $45.00

PHIL- Philosophy

PHIL& 101: Introduction to Philosophy

H- In this course, students will engage in the study and practice of philosophy. Students will learn to read and evaluate classic and contemporary philosophical texts and will develop the background and understanding to formulate their own answers to questions that have intrigued philosophers through the ages, for example, 'What is truth?' 'What is knowledge?' 'Does God exist?' and 'What is the meaning of life?' Other issues will be examined as well, such as the nature of reality, freedom of the will, the nature of morality, and the best way to organize society. This course emphasizes the role of reason and argument in a community of inquiry; the goal is for students to emerge from the class with an understanding of how philosophy is done, a familiarity with key historical texts and themes, and a foundation for further study both within and beyond the discipline.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Humanities
Prerequisites
Co-enrollment or completion of ENGL 95 or above with a grade of 2.0 or higher or placement into ENGL&101.

PHIL& 115: Critical Thinking

H- This philosophy course is designed to help students decide whether to accept or reject claims and arguments found in academia, media, business, advertising, or other walks of life. At the conclusion of this non-symbolic approach to logic and critical thinking, students will have the skills necessary to critically evaluate arguments, to distinguish good reasoning from bad, and to recognize illegitimate or fallacious attempts to manipulate them into accepting ideas or information. Additionally, students will learn to counter real-life examples of faulty reasoning with logical, well-organized arguments that are sensitive to intended audience and purpose.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Humanities
Prerequisites
Placement into ENGL 95 or above.

PHIL& 120: Symbolic Logic

H,Q- This philosophy course enables students to symbolize and analyze the structural basis of arguments encountered every day, for example, in college lectures and texts, in advertisements and the media, and at work. By focusing on core content of symbolic logic--namely sentence logic with proofs and predicate logic with quantifiers and proofs--students will learn to describe the structure of arguments, translate passages in ordinary language into symbolic notation, and by doing so, determine whether or not the arguments are valid.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Humanities,
Quantitative Reasoning
Prerequisites
Completion of MATH 84 or MATH 85 or MFUND 85 with a grade of 2.0 or higher or placement into MATH 95/ &107/ &131/ &132/ &146.

PHIL 102: Ethics and Social Problems

EDP, H- This is a course in learning to disagree constructively in a diverse and pluralistic global society. To that end, students will examine a range of contentious social issues and the reasons individuals and groups have for their positions on those issues. Students will be encouraged to think independently and engage in dialogue about ethics in a variety of contexts and settings, including local, national, and global communities. Students will leave the course better equipped to understand why people differ in their moral judgments, more skilled in reflecting upon their own underlying assumptions and better able to consider alternative views of power and inequality, and in fuller possession of the tools to continue engaging in the practice of moral reasoning.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Humanities
Prerequisites
Placement into ENGL 95 or above.

PHIL 220: Global Philosophy

EDP, GS, H- This course introduces students to philosophical ideas and systems emerging from outside the Western analytic philosophical perspective. Students can expect to explore and assess perennial questions about such topics as the nature of reality, truth, value, knowledge, and religion as they have been engaged with by such traditions as Hinduism, Buddhism, Confucianism, Taoism, and other historical and cultural perspectives emerging from non-Western cultures. The goal of this course is to help students see the similarities and differences in how these topics have been and are dealt with by philosophers around the globe and outside the Western canon, and in so doing, better understand their own views and how they are informed by familiar and unfamiliar cultural and philosophical influences.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

PHIL 238: Introduction to the Philosophy of Human Rights

EDP, GS, H- This course will provide students with an introduction to the philosophy of human rights as a foundation for the exploration of applied human rights issues in a global context. Students will develop an understanding of how human rights are conceptualized and justified and consider a variety of questions, such as: What is a human right and what is its source? Should human rights be universal or are they culturally relative? What sorts of public and/or governmental policies are justified in the name of protecting or securing human rights? Can a human right be forfeited and if so by whom? Could human rights apply to non-humans? Do future generations have human rights? Students will come out of this class with a solid understanding of the main philosophical and conceptual themes in the study of human rights, better prepared to undertake further study and practice of human rights both in academia and the world at-large.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies, Humanities, Equity, Diversity, and Power
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

PHIL 240: Introduction to Philosophical Ethics

H- This philosophy course is designed to help students better understand, develop, and evaluate moral claims through an examination of the theoretical criteria upon which those claims are based. Students will be introduced to classic and contemporary works in philosophy that examine issues like: why be moral, what makes right acts right, the role of character in ethical behavior, whether pleasure is the only ultimate good, the nature of justice, and whether there are moral facts. Influential ethical theories such as utilitarianism, deontology, virtue ethics, and contractarianism will be surveyed. Students will come away from the course with a deeper understanding of the basis of morality and be better equipped to think critically about ethical issues they face in their own lives.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

PHIL 242: Biomedical Ethics

H- In this philosophy course students will develop skills needed to create and defend culturally sensitive and logically sound responses to ethical issues that arise in the practice of medicine in a diverse society. Students will sharpen the theoretical background needed to apply moral reasoning to issues they would likely face as healthcare providers and/or consumers, through an emphasis on philosophical thinking, writing, and dialogue. The course explores ethical concerns related to such topics as reproductive rights, end of life care, healthcare rationing, physician responsibilities, genetic technology, human and animal experimentation, disability and the rights of people with disabilities, and other emerging issues in medical and medical-related fields. Students will come out of this class with a greater understanding of how to think and act as medical professionals and consumers in ways that respect the inherent dignity of all people.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

PHIL 243: Environmental Ethics and Sustainability

H, SU - This philosophy course is intended to give students the theoretical background for applying moral reasoning to issues related to environmental use, protection, and sustainability. The class will undertake an examination of philosophical perspectives on the environment and engage in practical application of proposed solutions to environmental problems. Throughout the course, connections between individual and societal, as well as between local and global impacts on the environment will be emphasized. Students will come out of this class with a deeper sense of our ethical obligations to the environment and with a greater understanding of how to make choices that support environmental sustainability.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Humanities, Sustainability
Prerequisites
Placement into ENGL 95 or above.

PHIL 260: Business Ethics

H- This philosophy course highlights the deep moral foundations that systems of business serve and the ethical values that shape the daily practices of business professionals. This course is intended to help students develop the skills needed to create and defend culturally sensitive and logically sound responses to ethical issues that arise in a contemporary global business setting. It helps students develop a vision of what it means to be an honorable businessperson working in an honorable profession. Along the way, the course will explore ethical concerns such as the role of business in society, employer-employee relationships, just and unjust discrimination, pricing and pay practices, marketing and sales tactics, engineering technology, and privacy. Students will come out of this class with a greater understanding of how to do business in a manner that creates value and respects the inherent dignity of all people.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

PHIL 267: Philosophy of Religion

H- This course is a philosophical exploration of questions related to and inspired by religion and religious belief. Students will examine arguments for and against the existence of God, the afterlife, the status of miracles, the relation between morality and religion, the problem of evil, whether atheism better explains reality, and other issues that emerge from human beings' drive to understand some of life's deepest concerns and puzzles. Rather than focusing on any specific faiths, the course takes religious concepts and beliefs in general as the primary material for philosophical study. That said, the material tends towards philosophical issues in western, analytic philosophy as it has engaged the Judeo-Christian-Islamic tradition. Students can expect to come out of this course with a clearer sense of how philosophy and religion interact and a better understanding of their own philosophical and spiritual beliefs.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Humanities
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

PHYS- Physics

PHYS& 100: Physics for Non-Science Majors

NS- Intended for non-science majors, this class is an introduction to scientific inquiry through the exploration of a subset of topics covered in a general physics series. Students will be encouraged to examine science's place in a global, cultural context. With an emphasis on active discovery, students are guided to construct scientific concepts for themselves based on their own observations and hands-on experimentation. A major goal is to view science as an active process of inquiry as opposed to a memorized, stagnant body of knowledge.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science
Prerequisites
Placement into ENGL 95 or above; AND Completion of MATH or MFUND 75 with a grade of 2.0 or higher, or placement into MATH 84 or MATH 85- no MATH expiration

PHYS& 114: General Physics with Lab I

NSL- This course is the first in a three quarter sequence designed for liberal arts and other majors that do not require calculus-based physics. Students will learn and apply the laws that govern motion, explore the relationship between work and energy, and examine momentum. Laboratory activities extend lecture concepts and introduce the student to the experimental process. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Co-enrollment with or completion of MATH 94 or MATH 95 or above with a grade of 2.0 or higher.
Lab Supply/Materials Fee $45.00

PHYS& 115: General Physics with Lab II

NSL- This course is the second in a three quarter sequence designed for liberal arts and other majors that do not require calculus-based physics. Students will study the property of fluids, the relationship between energy, heat and kinetic theory, and use the laws of thermodynamics to describe the changes in energy. Students also learn the properties and applications of electricity and magnetism. Laboratory activities extend lecture concepts and expose the student to an array of basic tools of experimental physics and data analysis. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of PHYS&114 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $45.00

PHYS& 116: General Physics with Lab III

NSL- This course is the third in a three quarter sequence designed for liberal arts and other majors that do not require calculus-based physics. Students explore sound waves and the behavior of light described as rays (geometric optics) and as waves (wave optics). Students also learn the scientific process by examining the development of the special theory of relativity. Laboratory activities extend lecture concepts and emphasize the connection between experimental observation and construction of physics theories. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of PHYS&114 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $45.00

PHYS& 221: Engineering Physics I

NSL- This course is the first in a calculus-based sequence designed for physical science and engineering majors. Students gain an in-depth conceptual and analytical understanding of the motion of objects. Laboratory activities extend lecture concepts and introduce the student to experimentation with laboratory instruments and equipment. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of MATH&151 with a grade of 2.0 or higher OR placement into MATH&152, OR co-enrollment with MATH&151 AND one year of high school physics OR Co-enrollment with MATH&151 AND completion of PHYS&114 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $45.00

PHYS& 222: Engineering Physics II

NSL- This course is calculus-based and designed for physical science and engineering majors. Students gain an in-depth conceptual and analytical understanding of electrical and magnetic phenomena. Laboratory activities extend lecture concepts and emphasize the connection between experimental observation and construction of physics theories. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of MATH&151 with a grade of 2.0 or higher, or placement into MATH&152; AND Completion of PHYS&221 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $45.00

PHYS& 223: Engineering Physics III

NSL- This course is calculus-based and designed for physical science and engineering majors. Students gain an in-depth conceptual and analytical understanding of sound, light, optics, fluids, and thermodynamics. Students explore the properties and applications of oscillatory motion. Topics in modern physics are also explored. Laboratory activities extend lecture concepts and emphasize data collection and analysis. (LAB)
Credits 5
Lecture Hours 44.00
Lab Hours 22
Other Hours 0.00
Total Hours 66.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of MATH&151 with a grade of 2.0 or higher, or placement into MATH&152; AND Completion of PHYS&221 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $45.00

POLS- Political Science

POLS& 101: Introduction to Political Science

EDP, SS- Students in this introductory political science course will explore and analyze political philosophies, political ideologies, the historical development of political thought, and examine the reasons people choose an ideology over others. They will learn to articulate key attributes of democracy, authoritarianism, and the major 'isms' (liberalism, conservatism, capitalism, socialism, communism, and fascism) and will analyze how well each ideology has dealt with social, economic, and political problems.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Social Science
Prerequisites
Placement into ENGL 95 or above.

POLS& 200: Introduction to Law

EDP, SS- This political science course examines the historical development of American legal institutions and assesses the power and function of the judicial process. Students will learn to recognize the social and behavioral nature of law and will be able to assess and articulate basic legal principles and processes, as well as the impacts of the law on individuals, communities, and culture. Special attention will be placed on helping students to develop legal knowledge and reasoning skills using civil, criminal and, business related case examples.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Social Science,
Equity, Diversity, and Power
Prerequisites
Placement into ENGL 95 or above.

POLS& 202: United States Government

SS- This political science course examines and evaluates the nature of the American political system -- its origins, institutions, and operations ¿ as well as its strengths and weaknesses. Students will learn to describe and analyze the nature of politics, power and policies, analyze formal and informal institutions of government, articulate conventional and unconventional means of citizen participation, and interpret political outcomes.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Social Science
Prerequisites
Placement into ENGL 95 or above.

POLS& 203: International Relations

GS, SS- This course introduces students to the field of international relations. It will focus on basic concepts such as nations and nationalism, the nature of the interstate system, the United Nations, power, international conflict and war, and prospects for peaceful conflict resolution. Students will also be introduced to the various modes through which nation-states interact, including, trade, war, diplomacy and alliances.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Social Science
Prerequisites
Placement into ENGL 95 or above.

POLS& 204: Comparative Government

GS, SS- This political science course compares political systems and governance structures found throughout the world. By focusing analysis on selected countries and governments, students will learn to assess world issues and problems in their historical, economic, and cultural contexts. They will apply basic methods of comparative research and compare key attributes of world political systems.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Social Science
Prerequisites
Placement into ENGL 95 or above.

POLS 205: Politics of the Middle East and North Africa

GS, SS- This course offers an in-depth examination of the political economy, cultural, and social history of the Middle East and North Africa. It employs a broadly comparative perspective to shed light on some of the more vexing problems shared in common by the various states and societies in the region. The course focuses on such issues as the emergence of competing ideological systems, political culture, and competing world views, problems of economic development and democratization, mass mobilization and social movements, and regional conflict and war. At the end, it is hoped that students will acquire the analytical skills necessary for challenging resilient stereotypes about the region, and for independently making sense of historical and contemporary problems in Middle East and North Africa.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Social Science
Prerequisites
Placement into ENGL 95 or above.

POLS 206: State and Local Government

IL, SS- This political science course focuses on the institutions, processes, and challenges involved in making and implementing public policy at both the state and local level. Students will examine the political and legal foundations of state and local governments and the actors that influence policy outcomes to understand 1) how state and local governments function, 2) what allows governments to meet the needs of their constituents and 3) what prevents governments from achieving their goals. Students will also participate in a hands-on policy project applying these concepts to solving a problem at the local level. Although this course will focus on state and local government generally, it will give special attention to the state of Washington.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Integrated Learning,
Social Science
Prerequisites
Placement into ENGL 95 or above.

POLS 213: Women and Politics

EDP, SS- This course focuses on the roles of women in political systems as voters, party activists, candidates, and public officials and the impact their presence can have on public policy outputs. As we examine these themes, we will study how history, culture, and political systems and institutions affect the role and status of women in politics and the impact that has on diversity and equity both within political institutions and in the broader public (the polis). This course will pay special attention to the status of women in U.S. politics and will use that examination to compare the role of women in political systems worldwide.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Social Science
Prerequisites
Placement into ENGL 95 or above.

POLS 306: State Government and Public Policy

This course focuses on the institutions, actors, processes and challenges involved in making and implementing public policy generally, and environmental and sustainability policy specifically, in state government. Students will examine the political and legal foundations of state governments and the actors that influence policy outcomes to understand 1) how state governments function, 2) what allows government to meet the needs of their constituents and 3) what prevents government from achieving their goals. Additionally, this course will introduce students to foundational theories and concepts of the study of public policy creation, implementation and evaluation. Although this course will focus on state government structure and policymaking generally, it will give special attention to the impact of policy processes on environmental and sustainability policy and the government of the state of Washington.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-SP program, OR permission from the BAS-SP program administrator.

POLS 445: Environmental Politics and Policy

This course offers an in-depth examination of historical and current issues in environmental politics. Students will develop a thorough understanding of the stages of the policy process from the identification and advocacy of environmental public policy problems, to agenda setting, to creation of alternatives, to decision-making, to implementation, to evaluation and feedback. The examination of environmental case studies from state, national, and international levels will create a deeper understanding of the complex political dynamics involved in policy making institutions. Ultimately, students will gain the skills and tools to competently analyze domestic and global environmental policy in a variety of situations.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-SP program, OR permission from the BAS-SP program administrator.

PSYC- Psychology

PSYC& 100: General Psychology

SS- This course is an introduction to the science of psychology, including contemporary perspectives, methods of inquiry, and core domains that influence and explain human behavior and mental processes. Students will develop skills such as thinking like a scientist, communicating and collaborating effectively, and applying psychological knowledge to everyday life for personal growth and success.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Social Science
Prerequisites
Co-enrollment or completion of ENGL 95 or above with a grade of 2.0 or higher or placement into ENGL&101.

PSYC& 180: Human Sexuality

EDP, SS- This course examines the biological, psychological, and social determinants of human sexuality and sexual behavior. Students will learn about topics related to sexual development (physical and psychological), sexual health, and sexual behavior. They will also consider the ways that human sexuality intersects with issues of power and privilege in society. Throughout the course, the cultural and psychological influences on sexual behavior and perceptions will be addressed. This course will deal with mature content. Parental permission will be required for students who are under 18 years of age.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Social Science
Prerequisites
Placement into ENGL 95 or above.

PSYC& 200: Lifespan Psychology

SS- This Psychology course examines patterns of development and theories regarding human physical, cognitive, social, and emotional development throughout the lifespan. Students will learn to apply models of human development, including systems theories, and draw multiple interpretations from careful descriptions of human behavior across various cultures.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Social Science
Prerequisites
Completion of ENGL&101 with a grade of 2.0 or higher; AND Completion of an introductory college level course in one of the following disciplines: PSYC, ANTH, SOC, or EDUC with a grade of 2.0 or higher.

PSYC& 220: Psychological Disorders

SS- This course provides an introduction to human behavior patterns culturally labeled as mental illness, examining the dominant theories and constructions of psychological disorders currently used in U.S. society and codified in the Diagnostic and Statistical Manual of the APA. In addition, it will provide opportunities to explore alternative paradigms and multi-cultural conceptions of mental illness and treatment. Students will learn to describe the major categories of disorders, their etiology, incidence, and treatment as well as cultural attitudes towards such patterns of behavior.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Social Science
Prerequisites
Completion of a 100-level college course in ANTH, BIOL, PSYC or SOC with a grade of 2.0 or higher.

PSYC 171: Human Relations

EDP, SS- Students in this course will explore contemporary issues of interpersonal relationships, communication, empathy and conflict resolution from a social science perspective. Students will be presented with social and peace psychology theory and research and then they will learn to apply this research in their daily lives. Special emphasis will be placed on helping students to develop and apply human relations skills in various settings. Students will also learn to negotiate the complexities of communication across various aspects of difference, including culture, gender, and sexual orientation. Note: this course only meets 3.0 credits of the EDP and Social Science requirements.
Credits 3
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Social Science
Prerequisites
Placement into ENGL 95 or above.

PSYC 202: Biopsychology

NS- The overarching goal of this psychology course is to demonstrate how human experiences such as sensation, perception, emotion, memories, and complex cognitive processes are produced within the central nervous system. Students will explore research methods that neuroscientists use to investigate causal relationships between neuroanatomical structures and functions. Students will identify evidence of neuroplasticity and the interactions between experience, genetics, and the development of the central nervous system. The course will provide an evolutionary perspective on the organization of the brain and its complex psychological processes.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Natural Science
Prerequisites
Completion of ANTH& 100, OR PSYC& 100, OR SOC& 101, OR BIOL& 170, OR BIOL& 211 with a grade of 2.0 or higher.

PSYC 209: Research Methods

SS- This course provides students with the opportunity to study the methods used to gather, organize, and interpret data in psychological science. It is concerned with the validity of information and with the procedures and techniques used to collect, question, and assess knowledge, as well as ethics. The scientific approach is emphasized throughout, as various research designs are selected to test hypotheses. Students will learn to evaluate information and consider alternative explanations.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Social Science
Prerequisites
Completion of ANTH&100, OR PSYC&100, OR SOC&101 with a grade of 2.0 or higher.

PSYC 210: Cognitive Psychology

EDP,SS- This course examines the field of cognitive psychology, with a focus on perception, memory, and learning. Students will explore the mental processes that lead to phenomena such as stereotyping and prejudice, as well as biased eyewitness testimony and false memories. In addition to providing an introduction to research methods and theories, special emphasis will be placed on understanding the applications of cognitive psychology to fields such as business, education, and law.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Social Science
Prerequisites
Completion of ENGL&101 with a grade of 2.0 or higher; AND Completion of an introductory college level course in one of the following disciplines: PSYC, ANTH, SOC, or EDUC with a grade of 2.0 or higher.

PSYC 245: Social Psychology

EDP, GS, SS- This course provides an introduction to social psychology, the scientific study of how an individual¿s thoughts, feelings, and actions are affected by the actual, imagined, or symbolically represented presence of other people. It will include research on the nature, causes, and consequences of individual behavior within various social contexts. Topics and themes will include conformity, persuasion, empathy, relationships, aggression, prejudice, and conflict resolution. Students will learn to apply what they have learned to foster a more peaceful and sustainable world.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Social Science
Prerequisites
Completion of a 100-level college course in ANTH, EDUC, PSYC, or SOC with a grade of 2.0 or higher.

PSYC 250: Cross-Cultural Psychology

EDP, SS- This comparative cross-cultural psychology course explores various psychological perspectives, with the assertion that psychological theories are deeply rooted in the underlying socio-cultural assumptions from which they emerge. Students will explore the impact of culture on cognition, development, emotion, motivation, health and disorders, individual and group behavior, and intercultural perceptions and interaction. They will also examine ethical issues relevant to conducting research across cultures.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Social Science
Prerequisites
Completion of ANTH&100, OR PSYC&100, OR SOC&101 with a grade of 2.0 or higher.

PSYC 251: Psychology of the Workplace

SS- This course examines the psychology of work. In it, students will explore human behavior in the context of organizations and industries at the individual, group, and structural levels. Students will develop skills that enhance performance at these levels.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Social Science
Prerequisites
Placement into ENGL 95 or above.

SOC- Sociology

SOC& 101: Introduction to Sociology

EDP, SS- This course explores fundamental sociological principles and seeks to describe individuals in both group and societal contexts. Students will learn to use the sociological imagination as a lens through which to view and experience the world. Students will learn about sociological theory and research methods, and apply these to the basic subject matter of sociology: Human interaction, social institutions and structures, culture, socialization, social inequality, deviance, social control, and social and cultural change. The goals of this course are to stimulate interest in sociology and to encourage the recognition of its practical value.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Social Science
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

SOC& 201: Social Problems

EDP, GS, SS- Sociologists have long noted the ways in which society construes particular events, ideologies, practices, and social trends as ¿Social Problems.¿ This course examines how social problems evolve on local, national, and global stages, and how these problems are understood and addressed by different actors in society. In addition, the sociological imagination will be used as a lens to illuminate how individuals, social groups, and social institutions are influenced by social problems. Social problems relating to inequalities, health, the environment, migration, and technology will be a critical focus.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Global Studies,
Social Science
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

SOC 150: Social Inequality

EDP, IL, SS- This sociology course introduces students to the dynamics of inequality in the United States by examining social statuses (e.g. race, class, gender, and sexuality). Students explore how such statuses are interconnected, how each is embedded in the social structure and how the lives of individuals develop in the context of society. Students will learn to locate themselves within local and national contexts and explore their own relationship to power and privilege. Students also will discuss strategies for change, political agency. and social policy. This course includes a community based- learning project.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power,
Integrated Learning,
Social Science
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

SOC 231: Gender and Sexuality in Society

EDP, SS- In this course, we use a sociological lens to explore gender and sexuality, how they impact our lives, how they relate to social inequality, and how they intersect. As we explore these themes, we will study how culture and various social institutions (e.g. media, economy, family) have been pivotal sites for the maintenance, reproduction, and change in gender roles, primarily in the U.S. We will examine how gender and sexual identities are constructed and contested as well as how they evolve. We will explore the performance of gender in contemporary society, paying special attention to the ways gender and sexuality intersect with other socially constructed differences, including race and class.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Social Science
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

SOC 241: Love, Relationships, and Families

EDP, SS- In this sociology course we will examine the family as a social institution shaped by economic, political, cultural, and historical forces. We also will consider how gender, class, sexuality, and race/ethnicity impact family experiences. Students will explore topics such as cohabitation, marriage, partnerships, divorce, parenting in traditional and alternative households, domestic violence, and household labor arrangements. Students who complete the course will have a better understanding of issues facing contemporary families and will be able to apply their understanding to their own personal experiences, as well as to their surrounding communities.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Social Science
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

SOC 271: Sociology of Deviance

EDP, SS- In *Sociology of Deviance*, students will critically investigate deviance as a social construct from a sociological lens. Students will apply new knowledge to contemporary issues relating to deviance. They will learn about the fluidity of deviance through time, place, generation, and culture. Students will learn historical and theoretical approaches of deviance, and how to interpret statistical data. Students will explore traditional and contemporary themes in deviance from murder, sexual assault to cyber deviance, uncovering reasons for deviant behavior. Students will examine how social mechanisms, such as laws, policing, and sentencing function to reproduce and reinforce actions and policies that perpetuate myths, stereotypes, and social injustices towards marginalized groups. Students will also explore the themes of ethics, culpability, forgiveness, and restorative justice through a sociological lens.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Social Science
Prerequisites
Successful completion of ENGL 95 or above, or placement into ENGL&101.

SOC 440: Society and Ethics in the Digital Age

This class will focus on digital content from a sociological-ethical lens with special attention to social changes, inequalities, culture, security, and legal issues. Students will examine historical, contemporary, and future digital technologies and how they have affected, and could potentially affect society. Students will be introduced to big data constructs and other technologies like artificial intelligence to analyze from a sociological perspective and discuss the ethical implications. Finally, students will reflect on how they might incorporate ethics and social responsibility into their project development, and applications of new technologies in their careers.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-IT program.

SOSCI- Social Science

SOSCI 196: Social Science Individualized Project I

RE- This individualized class provides students with an opportunity to create a specialized project. The project can be an original topic of interest or a continuation of previous work with an expectation that new emerging work will be created. The final project can consist of a paper, performance, or other agreed deliverable that reflects and measures the agreed-upon time invested in creating the project. In collaboration with the student(s), the supervising instructor will develop project content, learning outcomes, and assessment methods. Prerequisite(s): Instructor or department permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00

SOSCI 197: Social Science Internship I

IL, RE- The student will identify an opportunity for an internship or volunteer project that matches both the outcomes of the student¿s program and their interests. Together with an instructor, the student will complete a written contract that specifies the learning outcomes and defines the duration of the course and the credits to be granted upon successful completion. This course is aimed towards students who are doing an internship for the first time. Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

SOSCI 198: Special Topics in Social Science I

RE- The instructor, in collaboration with students, designs course content, activities and learning outcomes that address a topical or thematic approach to content within the social sciences. This is not an independent study course, but is meant to be taught to a group of students. Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

SOSCI 199: Community-Based Learning in Social Science I

IL, RE- Students will engage in community-based learning to combine academic studies with community service. In concert with a faculty advisor and community agency representative, students develop and apply scientific skills and expertise in a community setting. The student will be involved in defining the project scope and may be required to travel off-campus to the service site. This course is aimed towards students who are doing independent community-based learning for the first time. Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

SOSCI 296: Social Science Individualized Project II

RE- This individualized class provides students with an opportunity to create a specialized project. The project can be an original topic of interest or a continuation of previous work with an expectation that new emerging work will be created. The final project can consist of a paper, performance, or other agreed deliverable that reflects and measures the agreed-upon time invested in creating the project. In collaboration with the student(s), the supervising instructor will develop project content, learning outcomes, and assessment methods. Prerequisite(s): Instructor or department permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00

SOSCI 297: Social Science Internship II

IL, RE- The student will identify an opportunity for an internship or volunteer project that matches both the outcomes of the student¿s program and their interests. Together with an instructor, the student will complete a written contract that specifies the learning outcomes and defines the duration of the course and the credits to be granted upon successful completion. This course is aimed towards students who are doing an internship for at least a second time. Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

SOSCI 298: Special Topics in Social Science II

RE- The instructor, in collaboration with students, designs course content, activities and learning outcomes that address a new topical or thematic approach to content within the social sciences. This is not an independent study course, but is meant to be taught to a group of students. Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

SOSCI 299: Community Based Learning in Social Science II

IL, RE- Students will engage in service learning to combine academic studies with community service. In concert with a faculty advisor and community agency representative, students develop and apply scientific skills and expertise in a community setting. The student will be involved in defining the project scope and may be required to travel off-campus to the service site. Prerequisite(s): Instructor permission.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Distributions & Designations
Integrated Learning

SPAN- Spanish

SPAN& 121: Spanish I

EDP,GS,H- In this fast-paced course, students begin to communicate in Spanish in simple situations. They are able to describe the immediate environment and to repeat learned dialogs by learning elementary grammar, vocabulary and pronunciation. Students also begin to learn about the culture, music, art and literature of the Spanish-speaking world.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Placement into ENGL 95 or above.

SPAN& 122: Spanish II

EDP,GS,H- In this fast-paced course continuing the work of Spanish I, students increase knowledge of Spanish vocabulary and grammar to improve their communication abilities. They learn to participate in conversations in a variety of social settings and learn more about social and historical aspects of Spanish-speaking cultures.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Completion of SPAN&121 with a grade of 2.0 or higher or placement into SPAN&122.

SPAN& 123: Spanish III

EDP,GS,H- This course continues the work of Spanish II. Students improve their ability to speak and write in Spanish by adding to vocabulary and grammar knowledge. Students learn more about Spanish-speaking cultures and how to communicate in them.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Completion of SPAN&122 with a grade of 2.0 or higher or placement into SPAN&123.

SPAN& 221: Spanish IV

EDP,GS,H- In this fourth quarter of college Spanish, students focus on communicating in Spanish with spontaneity and originality. They improve their ability to read, listen, speak and write in Spanish by building vocabulary and grammatical knowledge. Students learn more about Spanish-speaking cultures through reading, watching films and using the internet in Spanish.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Completion of SPAN&123 with a grade of 2.0 or higher or placement into SPAN&221.

SPAN& 222: Spanish V

EDP,GS,H- Students further develop their communication abilities in Spanish, speaking and writing with greater originality as vocabulary increases. Reading and listening skills improve with further practice with films and literature in Spanish. The emphasis on cultural learning continues.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Completion of SPAN&221 with a grade of 2.0 or higher or placement into SPAN&222.

SPAN& 223: Spanish VI

EDP,GS,H- Students read literature, watch films, listen to music, converse, and learn course material in Spanish to further develop communication abilities. As in previous classes, much of the course content centers around cultural and historical aspects of Spanish-speaking societies.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Equity, Diversity, and Power, Global Studies, Humanities
Prerequisites
Completion of SPAN&222 with a grade of 2.0 or higher or placement into SPAN&223.

SPAN 100: Spanish Practice Lab

RE- This one-credit Spanish course will provide multimedia and internet activities in a lab format. Students will improve their skills in speaking, listening, reading, and writing and enhance their understanding of grammatical structures.
Credits 1
Lecture Hours 0.00
Lab Hours 22
Other Hours 0.00
Total Hours 22.00
Prerequisites
Co-enrollment with SPAN& 121, or SPAN& 122, or SPAN& 123 or instructor permission.

SUPR- Sustainable Practices

SUPR 290: Career Pathways: Sustainable Practices

RE- This one-credit course is designed for students who are transitioning from a two-year associate degree, or a four-year baccalaureate into a sustainability career and/or graduate school. The course will highlight relevant career tracks and trends in the field of sustainability, and will introduce students to professionals currently working in the field. Students will conduct career research, and will identify and explore occupations that are of interest to them; in addition, they will practice writing essays, resumes, and cover letters, and will practice communicating their skills and abilities in interesting and effective ways.
Credits 1
Lecture Hours 11.00
Lab Hours 0
Other Hours 0.00
Total Hours 11.00
Prerequisites
Completion of at least 10 credits of BAS-SP or ETSP coursework with grade of 2.0 or higher, or permission of instructor.

SUPR 300: BAS-SP Program Orientation

This one-credit course serves as an orientation and cohort building experience for the incoming class of BAS in Sustainable Practices (BASSP) students. The course introduces students to Cascadia's mission, vision, and values; the sustainability features, goals, and plans at Cascadia; resources available to support students in achieving their academic and career goals; and the structure of the BASSP program which includes in-person, online and hybrid classes as well as an internship experience and capstone project. Additionally, this course will be critical to forming strong annual cohorts and building purposeful relationships between current students, graduates, faculty, Technical Advisory Committee members, and staff.
Credits 1
Lecture Hours 11.00
Lab Hours 0
Other Hours 0.00
Total Hours 11.00
Prerequisites
Admission to the BAS-SP program, OR permission from the BAS-SP program administrator.

SUPR 301: Introduction to Sustainable Practices

In this course, students will explore multiple interpretations of the concept of sustainability as they pertain to the key elements of environment, economics, and social equity, i.e., the Three 'E's. Systems thinking will be introduced as a mechanism for understanding sustainability, and students will use systems as a way of understanding the interplay of various elements in developing and employing sustainable practices. Core themes of the degree will also be introduced, including themes of resilience and adaptive challenge. Students will also be introduced to the program's core competencies and outcomes as a way to visualize their degree pathway as it leads to the capstone project.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-SP program, OR permission from the BAS-SP program administrator.

SUPR 310: Statistics for Research in Sustainable Practices

The focus of this course is statistical analysis as applied to quantitative research in the field of sustainable practices. Students will be introduced to both descriptive and inferential statistical techniques and how they are used in this context. Both experimental and correlational analysis (including regression) will be presented and contextualized with real-world problems and examples. The emphasis is on the interpretation and communication of data as well as problem solving using statistical techniques. Needed technology will be taught along with the subject matter. Prerequisite(s): Admission to the BAS-SP program, OR permission from the BAS-SP program administrator.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-SP program, OR permission from the BAS-SP program administrator.

SUPR 325: Social Perspectives on Sustainable Practices

In this course, students will learn about social sustainability and other applicable principles such as inequalities, stratification, racism, poverty, environmental and social justice and injustices, and environmental degradation. Students will use an interdisciplinary approach to develop an understanding of the values and beliefs that influence sustainable (or unsustainable) practices from an individual and societal level. Students will also explore how social institutions like the government and the economy affect outcomes in how laws, regulations, and policies affect socially vulnerable communities. Cross-cultural ideas of sustainable practices, as well as community, development, and decision-making processes are explored as they relate to human interaction with local cultural and natural environments. Students will have an opportunity to engage in applied sustainable practices through group-based projects. Finally, students will learn how cultural, social, and psychological forces can shape human practices to be ecologically sound, socially just, and economically viable.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-SP program, OR permission from the BAS-SP program administrator.

SUPR 397: Sustainable Practices Work-Based Learning I

Students will develop hands-on experiences through a sustained contribution within a work setting in the field of sustainability. Students develop and reflect on a set of personalized learning outcomes as they consider how the key sustainability competencies and concepts such as resiliency and adaptive challenges interact in a work setting. They reflect on their own strengths and weaknesses in the competency areas.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Prerequisites
Admission to the BAS-SP program AND instructor permission.

SUPR 398: Special Topics in Sustainability I

RE- This course affords a student(s) the opportunity to investigate current and relevant topics in Sustainability. The focus, content, format, and delivery will vary depending upon the topics and will be documented in a Learning Agreement. Prerequisite(s): Permission of Instructor or Program Administrator
Credits 1
-5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

SUPR 410: Research Design and Methods in Sustainable Practices

The focus of this course is research design and methodology as applied to problems in the field of sustainable practices. Students will learn basic principles of research design and data collection methods in the field of sustainable practices, such as environmental sampling, surveying, content analysis, and interviewing. Students will learn to choose appropriate statistical tools and apply them in the analysis of both qualitative and quantitative data. Elements of set theory and relational algebra will also be addressed as they are used in working with data sets. Students will learn to interpret published research, such as demographic data and peer-reviewed research articles. They will also learn to communicate the results of their own research in formats that can reveal complex information at a glance, generate insights, and spur action. Research ethics and human subject considerations will be discussed. Needed technology will be taught along with the subject matter. Finally, students will begin the process of using the methodological approaches to help them organize their Senior Project Proposals.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Prerequisites
Admission to the BAS-SP program; AND completion of SUPR 310 with a grade of 2.0 or higher; AND at least 10 credits of 300 level coursework.

SUPR 490: Sustainable Practices Capstone

Students identify a specific, authentic issue or problem with a sustainability context, and define, research, and propose a solution. Students will work to implement the solution, evaluate the outcomes, and present their results to appropriate internal and external audiences. Students will also reflect on their capabilities in the sustainability competencies and develop a plan for addressing areas of needed growth to prepare for a career in sustainable practices. Students develop their portfolio with professional networking connections and course, internship or professional projects.
Credits 1
-5
Lecture Hours 11.00
Lab Hours 22
Other Hours 0.00
Prerequisites
Admission to the BAS-SP program AND instructor permission.

SUPR 497: Sustainable Practices Work-Based Learning II

Students will develop hands-on experiences through a sustained contribution within a work setting in the field of sustainability. Students develop and reflect on a set of personalized learning outcomes as they consider how the key sustainability competencies and concepts such as resiliency and adaptive challenges interact in a work setting. They reflect on their own strengths and weaknesses in the competency areas.
Credits 1
-5
Lecture Hours 0.00
Lab Hours 0
Other Hours 33.00
Total Hours 33.00
Prerequisites
Admission to the BAS-SP program AND instructor permission.

SUPR 498: Special Topics in Sustainability II

RE- This course affords a student(s) the opportunity to investigate current and relevant topics in Sustainability. The focus, content, format, and delivery will vary depending upon the topics and will be documented in a Learning Agreement.
Prerequisite(s): Permission of Instructor or Program Administrator
Credits 1
-5
Lecture Hours 11.00
Lab Hours 11
Other Hours 0.00
Total Hours 11.00

WATER- Water Science

WATER 110: Introduction to Water Science, Resources, and Issues

GS, IL, SU, RE- In this introductory course, students explore the basic physical and chemical properties of water, ground and surface water systems, the hydrologic cycle, and water quality/quantity issues facing society and natural systems as it relates to sustainability. Water pollution sources will be examined with an emphasis on runoff. Additionally, potential career opportunities in the field of water science and resources will be introduced.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Total Hours 55.00
Distributions & Designations
Global Studies,
Integrated Learning,
Sustainability
Prerequisites
Co-enrollment with or completion of ENGL&101 with a grade of 2.0 or higher.

WATER 197: Work-Based Learning I

Credits 1
-5
Lab Hours 0
Other Hours 0.00

WATER 210: Water Policy and Regulation

RE- In this policy course, students will learn about the major laws and regulations pertaining to water policy at the local, state and federal levels of government. They will also study the processes by which the laws and regulations are created, and the actors that influence and implement those laws and regulations. The course will also address western United States water policy, emphasizing Washington State water policy, water rights, and current issues impacting water supply, policy and regulation.
Credits 5
Lecture Hours 55.00
Lab Hours 0
Other Hours 0.00
Prerequisites
Completion of POLS 206 or POLS 306 with a grade of 2.0 or higher

WATER 220: Water Quality Analysis

NS, NSL- Water Quality Analysis is an environmental science course designed to equip students with theoretical knowledge and practical skills in assessing, monitoring, and interpreting water quality parameters across various aquatic environments. The course provides comprehensive training in sampling methodologies, analytical techniques, and data interpretation with emphasis on practical applications in environmental management and protection. The course will make use of the campus wetland; other field trips may be scheduled during the quarter.
Credits 5
Lecture Hours 22.00
Lab Hours 66
Other Hours 0.00
Total Hours 88.00
Distributions & Designations
Natural Science,
Natural Science LAB
Prerequisites
Completion of CHEM&161 with a grade of 2.0 or higher; OR instructor permission.
Lab Supply/Materials Fee $45.00

WATER 250: Soils and Hydrology

IL, SU, RE- In this course, students explore the chemical, biological, and physical processes of soils as they relate to hydrology and the sustainability of water resources. Course work will emphasize connections between soils and runoff pollution and flooding in rural and urban settings. Students will gain experience using soil mapping software and interpretation of that data. Mitigation with an emphasis on Best-Management Practices will be examined. Labs will provide hands-on experience describing soils and using the data to make hydrologic interpretations about the susceptibility to runoff, flooding, and water contamination.
One weekend overnight field trip is required (occurs later in the quarter).
Credits 6
Lecture Hours 44.00
Lab Hours 44
Other Hours 0.00
Total Hours 88.00
Distributions & Designations
Integrated Learning,
Sustainability
Prerequisites
Completion of ENVS&101, WATER 110, and CHEM&161 with a grade of 2.0 or higher.
Lab Supply/Materials Fee $45.00

WATER 290: Career Pathways: Water Resource Mgmt

Credits 1
Lecture Hours 11.00
Lab Hours 0
Other Hours 0.00

WATER 297: Work-Based Learning II

Credits 1
-5
Lab Hours 0
Other Hours 0.00

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