Whatcom
COMMUNITY COLLEGE

2024 - 2025 CATALOG



237 W. Kellogg Road | Bellingham, WA 98226
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whatcom.edu

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Academic Calendar 2024-2025

Summer Term 2024

June 24 Term Begins

July 4 Independence Day - Closed

August 16 Term Ends

Fall Term 2024

Aug 31-Sep 2 Labor Day Weekend - Closed

Sep 18 All College Day - Closed

Sep 24 Term Begins

Nov 9-11 Veterans Day Weekend - Closed

Nov 27 No Classes - College Open

Nov 28-Dec 1 Thanksgiving Weekend - Closed

Nov 29 Native American Heritage Day - Closed

Dec 13 Term Ends

Dec 25 Christmas Holiday - Closed

Winter Term 2025

Jan1 New Year's Day - Closed

Jan 8 Term Begins

Jan 18-20 MLK Jr. Weekend - Closed

Feb 15-17 President's Day Weekend - Closed

Feb 18 Prof. Development Day - Closed

Mar 28 Term Ends

Spring Term 2025

April 8 Term Begins

May 24-26 Memorial Day Weekend - Closed

June 19 Juneteenth Holiday – Closed

June 20 Term Ends

Academic Calendar 2025-2026

Summer Term 2025

June 30 Term Begins

July 4 Independence Day - Closed

August 22 Term Ends

Fall Term 2025

Aug 30-Sep 1 Labor Day Weekend - Closed

Sep 17 All College Day - Closed

Sep 23 Term Begins

Nov 11 Veterans Day - Closed

Nov 26 No Classes - College Open

Nov 27-30 Thanksgiving Weekend - Closed

Nov 28 Native American Heritage Day - Closed

Dec 12 Term Ends

Dec 25 Christmas Holiday - Closed

Winter Term 2026

Jan1 New Year's Day - Closed

Jan 7 Term Begins

Jan 17-19 MLK Jr. Weekend - Closed

Feb 14-16 President's Day Weekend - Closed

Feb 17 Prof. Development Day - Closed

Mar 27 Term Ends

Spring Term 2026

April 7 Term Begins

May 23-25 Memorial Day Weekend - Closed

June 18 Term Ends

June 19 Juneteenth Holiday - Closed

WELCOME TO WHATCOM



Welcome to Whatcom/About the College

President's Welcome

At Whatcom Community College, we are focused on student success. We help our students to discover their strengths, explore their academic options, and meet their educational goals. Whether they are looking for a short-term certificate, personal enrichment class, career preparation, transfer degree, or a Bachelor of Applied Science degree, Whatcom is here to help our students achieve their educational objectives.

The College's grant awards are an excellent reflection of our commitment to students. For the 2022-23 academic year, WCC was approved for more than $16 million in grant funding. Over the multi-year duration of the grants, including new and continuing awards, the total comes to more than $33 million in funding to help close equity gaps, improve important initiatives in healthcare, aerospace, STEM, cybersecurity, and student success. Whatcom students graduate at rates higher than their peers at other community and technical colleges. We work directly with local industry, civic, and business leaders so graduates' skills and strengths are aligned with what employers need.

WCC works to support our students in many different ways. Our talented faculty and staff are committed to collaborating campus wide to provide wrap around support services and opportunities for our students to succeed. This is the spirit of WCC. We meet our students where they are and help them achieve their dreams.

Everyone at Whatcom Community College looks forward to helping our students achieve a rich and fulfilling educational experience that will last a lifetime.

I hope to see you on campus soon.

Dr. Kathi Hiyane-Brown, College President

History & Philosophy of the College

Whatcom Community College (WCC) has been serving the community since 1967 with its first programs being offered in 1970 (Farm Management and Transportation of the Sick and Injured). WCC was one of the original community colleges in the country to offer classes without a centralized campus. As a result of that commitment, early faculty and staff became experts in developing alternative modes of instruction to reach students with varying interests. Another early commitment was individual attention to the educational goals and learning styles of each student. WCC became known throughout the country for its unique approach and as a result grew to such an extent that centralized facilities and a campus became the preferred solution to reaching the thousands of students seeking access each year.

By the mid-1980s, the commitment to serving as many students as possible led the Board of Trustees to begin developing a central campus in the Cordata neighborhood. As the campus developed, younger students sought access in increasing numbers. Though WCC has grown rapidly, it has retained a commitment to personalized instruction and promotion of success for students of all ages.

The original philosophy of considering what was best for students was necessary for our early development and continues to guide the actions of all who serve Whatcom Community College.

WCC Foundation

The Whatcom Community College Foundation, a non-profit 501(c)(3), enhances educational opportunities by providing student scholarships, supporting faculty development, and assisting with key college initiatives. The WCC Foundation provides approximately $490,000 in student scholarships, funds teaching and program innovations, supports our growing Orca Alumni Association, hosts community events on campus, and works in partnership with financial aid to deploy private community donations. Over the last six years, with generous gifts from community members, businesses, and charitable organizations, the Foundation has distributed over $3.6 million for student scholarships and college programs at WCC.

All WCC students are encouraged to apply for WCC Foundation scholarships – approximately 50% of applicants are awarded a scholarship. The application for WCC Foundation scholarships is available in January at www.whatcom.edu/WCCFScholarships for awards in the following academic year. For more information or to invest in our students by making a contribution, contact the WCC Foundation at Foundation@whatcom.edu.

Strategic Plan (2023-2028)

Whatcom's strategic plan includes a mission statement, vision statement, promise, goals and objectives.

Mission Statement

Whatcom Community College contributes to the vitality of its communities by providing quality education in academic transfer, professional-technical, and lifelong learning, preparing students for active citizenship in a global society.

Vision Statement

Whatcom is a supportive community, empowering lives through education.

Promise: We transform lives through education. We accomplish this by supporting student growth, respecting student investment, embracing diversity, promoting excellence and creating opportunities.

WCC's Strategic Plan Goals:

1. Renew and Expand Impactful Community Connections Within and Beyond the College.
2. Encourage Innovation Focused on Delivering High Value Education.
3. Sustain a Diverse and Inclusive Campus Community to Support Success and Belonging.
4. Deliver Educational Experiences That Foster Improved Student Success.

Goal 1 | Renew and Expand Impactful Community Connections Within and Beyond the College.

1.1 | Strengthen collaborations with local K-12 educators so that Whatcom is known as the preferred choice for students.
1.2 | Expand and strengthen relationships with industry, education, and community partners.
1.3 | Build a collaborative culture that sets, underscores, and achieves shared mutual goals.
1.4 | Share college and student success stories with internal and external communities.
1.5 | Leverage external resources and partners to support student success and workforce-driven outcomes.

Goal 2 | Encourage Innovation Focused on Delivering High Value Education.

2.1 | Enhance and expand innovative teaching and learning practices that result in a high-return, high-quality education for all students.
2.2 | Increase applied learning opportunities for students.
2.3 | Model leadership in environmental sustainability and its intersection with human, social, and economic impacts.

Goal 3 | Sustain a Diverse and Inclusive Campus Community to Support Success and Belonging.

3.1 | Strengthen cross-divisional efforts to increase students' sense of belonging, engagement, and development.
3.2 | Expand campus engagement toward creating an inclusive, diverse, equitable, and accessible culture.
3.3 | Promote deeper understanding and engagement related to IDEA to build broad capacity to lead and support institutional change.
3.4 | Eliminate achievement gaps among students.

Goal 4 | Deliver Educational Experiences That Foster Improved Student Success.

4.1 | Expand access and invest resources for student recruitment, retention, and completion.
4.2 | Design and implement contact-to-completion experience touchpoints that meet the expectations and needs for students in each targeted recruitment area.
4.3 | Create a seamless experience for students throughout their academic journey specifically utilizing Guided Pathways framework.
4.4 | Engage students inside and outside of the classroom.

Accreditation

Whatcom Community College (WCC) is accredited by the Northwest Commission on Colleges and Universities, an institution accrediting body recognized by the Council for Higher Education Accreditation and/or the Secretary of the U.S. Department of Education.

WCC's programs of study are approved by the Washington State Board for Community and Technical Colleges. WCC's physical therapist assistant program is accredited by the Commission on Accreditation in Physical Therapy Education, and the medical assisting program is accredited by the Commission on Accreditation of Allied Health Education Programs. WCC's nursing program is accredited by the Accreditation Commission for Education in Nursing.

WCC is recognized by the American Council on Education and is a member of the American Association of Community Colleges, the Northwest Athletic Conference, and the Washington Association of Community and Technical Colleges.

Statement of Educational Values

WCC is committed to providing an educational experience that is transformative. WCC's promise statement outlines five values, which guide that work: (1) supporting student growth, (2) respecting student investment, (3)

embracing diversity, (4) promoting excellence, and (5) creating opportunities. These values provide focus for WCC's collective efforts and context for measuring its effectiveness.

Core Learning Abilities

Core learning abilities (CLAs) are overarching skills that are taught and reinforced throughout a student's time at WCC. CLAs define the skills the College expects its students to develop by the time they graduate. WCC's CLAs are communicating, information literacy, quantitative reasoning, social justice, and thinking. CLAs are listed on each course's syllabus. CLA assessment data can be found on the CLA page of WCC's assessment and institutional research website, faculty.whatcom.ctc.edu/InstResearch.

Program Outcomes

Program outcomes are overarching skills that are taught throughout several courses in a specific professional-technical program. They are measurable statements that define the skills the College expects its students to develop - over and above the core learning abilities - by the end of a certificate or degree at WCC. All program outcomes, curriculum maps, and data can be found on the program outcomes page of WCC's assessment and institutional research website, faculty.whatcom.ctc.edu/InstResearch. A program's outcomes are also included in the information about the program on WCC's website and listed on relevant course syllabi.

Course Outcomes

Course outcomes are the most important skills the College expects its students to develop by the end of a course. Course outcomes are listed on each course's syllabus. Additional information can be found on the course outcomes page of WCC's assessment and institutional research website, faculty.whatcom.ctc.edu/InstResearch.

Affirmation of Inclusion

Whatcom Community College is committed to maintaining an environment in which every member of the college community feels welcome to participate in the life of the college, free from harassment and discrimination. We welcome people of all races, ethnicity, national origins, religions, ages, genders, sexual orientations, marital status, veteran status, abilities and disabilities. Toward that end, faculty, students and staff will…

1. Treat one another with respect and dignity.
2. Promote a learning and working community that ensures social justice, understanding, civility and non-violence in a safe and supportive climate.
3. Influence curriculum, teaching strategies, student services and personnel practices that facilitate sensitivity and openness to diverse ideas, peoples and cultures in a creative, safe and collegial environment.

Notice of Non-Discrimination

Whatcom Community College does not discriminate on the basis of race, color, national origin, religion, sex, disability, honorably discharged veteran or military status, sexual orientation, gender identity, gender presentation, ancestry, ethnicity, family status, immigration status, citizenship, socioeconomic status, genetic information or age in its programs and activities.

The following person has been designated to handle inquiries regarding the non-discrimination policies: Executive Director for Human Resources, by phone: 360.383.3400 or email: hr@whatcom.edu , 237 W. Kellogg Road, Bellingham, WA 98226.

For Title IX compliance: Title IX Coordinator, by phone: 360.383.3400 or email: titleIX@whatcom.edu , 237 W. Kellogg Road, Bellingham, WA 98226.

WCC publications are available in alternate formats upon request by contacting the Access & Disability Services office by phone: 360.383.3139, email: ADS@whatcom.edu, or Washington Relay: 711

Aviso de NoDiscriminacin
Whatcom Community College no discrimina en sus programas y actividades por motivos de raza, color, origen nacional, religión, sexo, discapacidad, condición de veterano o militar dado de baja honorablemente, orientación sexual, identidad de género, expresión de género, ascendencia, origen étnico, situación familiar, situación migratoria, ciudadanía, estatus socioeconómico, información genética o edad.

La siguiente persona ha sido designada para atender consultas relacionadas con las políticas de no discriminación: Director/a ejecutivo/a de Recursos Humanos, teléfono 360.383.3400 o correo electrónico hr@whatcom.edu, 237 W. Kellogg Road, Bellingham, WA 98226.

Para el cumplimiento del Título IX: Coordinador/a del Título IX, teléfono 360.383.3400 o correo electrónico titleIX@whatcom.edu, 237 W. Kellogg Road, Bellingham, WA 98226.

Las publicaciones de WCC están disponibles en formatos alternativos previa solicitud comunicándose con la oficina de Servicios de Acceso y Discapacidad al 360.383.3139.

ਗੈਰ-ਭੇਦਭਾਵ ਦਾ ਨੋਟਿਸ

ਵ੍ਹਾਟਕੌਮ ਕਮਿਊਨਿਟੀ ਕਾਲਜ ਨਸਲ, ਰੰਗ, ਕੌਮੀ ਮੂਲ, ਧਰਮ, ਲਿੰਗ, ਵਿਕਲਾਂਗਤਾ, ਸਨਮਾਨਜਨਕ ਤੌਰ 'ਤੇ ਸੇਵਾਮੁਕਤ ਅਨੁਭਵੀ ਜਾਂ ਮਿਲਟਰੀ ਸਟੇਟਸ, ਜਿਨਸੀ ਰੁਝਾਨ, ਲਿੰਗ ਪਛਾਣ, ਲਿੰਗ ਪੇਸ਼ਕਾਰੀ, ਵੰਸ਼, ਜਾਤੀ, ਪਰਿਵਾਰਕ ਸਥਿਤੀ, ਇਮੀਗ੍ਰੇਸ਼ਨ ਸਥਿਤੀ, ਨਾਗਰਿਕਤਾ, ਸਮਾਜਿਕ ਆਰਥਿਕ ਸਥਿਤੀ, ਅਨੁਵਾਂਸ਼ਿਕ ਜਾਣਕਾਰੀ ਜਾਂ ਇਸ ਦੇ ਪ੍ਰੋਗਰਾਮਾਂ ਅਤੇ ਸਰਗਰਮੀਆਂ ਵਿੱਚ ਉਮਰ ਦੇ ਆਧਾਰ 'ਤੇ ਪੱਖਪਾਤ ਨਹੀਂ ਕਰਦਾ ਹੈ।

ਅੱਗੇ ਦਿੱਤੇ ਵਿਅਕਤੀ ਨੂੰ ਗੈਰ-ਪੱਖਪਾਤ ਨੀਤੀਆਂ ਦੇ ਸੰਬੰਧ ਵਿੱਚ ਪੁੱਛਗਿੱਛ ਨੂੰ ਸੰਭਾਲਣ ਵਾਸਤੇ ਨਾਮਜ਼ਦ ਕੀਤਾ ਗਿਆ ਹੈ: ਮਨੁੱਖੀ ਸੰਸਾਧਨਾਂ ਦਾ ਕਾਰਜਕਾਰੀ ਨਿਦੇਸ਼ਕ, ਫ਼ੋਨ ਦੁਆਰਾ: 360.383.3400 ਜਾਂ ਈਮੇਲ: hr@whatcom.edu , 237 W. Kellogg Road, Bellingham, WA 98226.

ਟਾਈਟਲ IX ਦੀ ਪਾਲਣਾ ਵਾਸਤੇ: ਟਾਈਟਲ IX ਕੋਆਰਡੀਨੇਟਰ, ਫ਼ੋਨ ਦੁਆਰਾ: 360.383.3400 ਜਾਂ ਈਮੇਲ: titleIX@whatcom.edu , 237 W. Kellogg Road, Bellingham, WA 98226.

Уведомление о недопущении дискриминации
Whatcom Community College не допускает дискриминации по признаку расы, цвета кожи, национального происхождения, религии, пола, инвалидности, статуса ветерана, уволенного с почетом, или статуса действующего военнослужащего, сексуальной ориентации, гендерной идентичности, гендерной демонстрации, происхождения, этнической принадлежности, семейного положения, иммиграционного статуса, гражданства, социально-экономического статуса, генетической информации или возраста в своих программах и мероприятиях.

Решением вопросов, связанных с политикой недопущения дискриминации, занимается следующее лицо: Исполнительный директор по персоналу, по телефону: 360.383.3400 или по электронной почте:

hr@whatcom.edu , 237 W. Kellogg Road, Bellingham, WA 98226.
Для соблюдения требований Отдела IX (который расследует случаи гендерной дискриминации в организации): Координатор Отдела IX, по телефону: 360.383.3400 или по электронной почте: titleIX@whatcom.edu , 237 W. Kellogg Road, Bellingham, WA 98226.

Публикации Всемирного совета церквей (WCC) можно получить в альтернативных форматах по запросу, обратившись в отдел по обеспечению доступа и помощи инвалидам по телефону 360.383.3139.

Повідомлення про недискримінацію

Whatcom Community College не допускає дискримінації за ознаками раси, кольору шкіри, національного походження, релігії, статі, інвалідності, статусу ветерана або військовослужбовця, сексуальної орієнтації, гендерної ідентичності,

гендерного прояву, походження, етнічної приналежності, сімейного стану, імміграційного статусу, громадянства, соціально-економічного статусу, генетичної інформації або віку у своїх програмах та заходах.

Особа, призначена для обробки запитів щодо політики недискримінації: Виконавчий директор з управління персоналом, тел.: 360-383-3400, електронна пошта: hr@whatcom.edu, адреса: 237 W. Kellogg Road, Bellingham, WA 98226.

Для дотримання розділу IX: Координатор Розділу IX, тел.: 360-383-3400, електронна пошта: titleIX@whatcom.edu, адреса: 237 W. Kellogg Road, Bellingham, WA 98226.

Публікації Whatcom Community College можна отримати в альтернативних форматах за запитом, звернувшись до відділу з питань доступу та інвалідності за телефоном 360-383-3139.

Public Disclosure & Consumer Information

As a student or potential student, you have the right to know information regarding Whatcom Community College. Public disclosure and consumer information required by state and federal regulations can be found on the Whatcom Community College website at whatcom.edu/publicdisclosure.

Consumer Information

The following is a list of available consumer information required by State and Federal regulations and where to find it:

Affirmative action, non-discrimination & Title IX
Gender equality - RCW 28B.110.070
Harassment - Policy 615 and 620
Director for Human Resources
Laidlaw Center 235
TITLEIX@whatcom.edu
360.383.3400

Accreditation
faculty.whatcom.ctc.edu/InstResearch/
Assessment and Institutional Research
360.383.3302

Athlete completion report & transfer rates
Athletics and Recreation
WCC Pavilion
360.383.3112

Athletics
Equity in Athletics Report
Athletics and Recreation
WCC Pavilion
360.383.3112

Campus map, directions & parking
whatcom.edu/about-wcc/campus-map-directions

Campus security & safety report
whatcom.edu/safety
Facilities & Operations
Auxiliary Services Building 115
360.383.3390

Complaints information
whatcom.edu/complaintprocess

Disability support
whatcom.edu/access
Access and Disability Services
Laidlaw Center 134
360.383.3139

Drug & alcohol prevention
whatcom.edu/policies
Counseling Services
Laidlaw Center 134
360.383.3139

Environmental
Facilities & Operations
Auxiliary Services Building 115
360.383.3390

Family Education Rights & Privacy Act
Policy 3030
Entry and Enrollment Services Office
Laidlaw Center 102
360.383.3030

Financial statements (audited)
Business Office
Laidlaw Center 141
360.383.3360

Graduation, retention & transfer rates
whatcom.ctc.edu/InstResearch/
Entry and Enrollment Services Office
Laidlaw Center 102
360.383.3030

Incident reporting
whatcom.edu/incident
Please call 911 if an immediate emergency situation exists

Institutional Master Plan
whatcom.edu/IMP

IT Accessibility Coordinator
Ward Naf
360.383.3430
Non-accessible technology plan per WA OCIO Policy 188

Judicial affairs
whatcom.edu/studentconduct
Office of Community Standards
tthayer@whatcom.edu
360.383.3073

Privacy notice
whatcom.edu/privacynotice
Entry and Enrollment Services Office
Laidlaw Center 102
360.383.3030

Public records requests
whatcom.edu/policies
Public Records Officer
rkloke@whatcom.edu
360.383.3338

Title IV Student Disbursements
BankMobile/Consumers Bank contract
whatcom.edu/publicdisclosure

Voter registration information
Office of Student Life
Syre Student Center 208
360.383.3110
An official ballot drop box is located on campus, outside the Auxiliary Services Building (ASB).

Whistle Blowers

Complete information and procedures for the disclosure and investigation of improper governmental action can be found on the State Auditor's website Washington State Whistleblower Program.

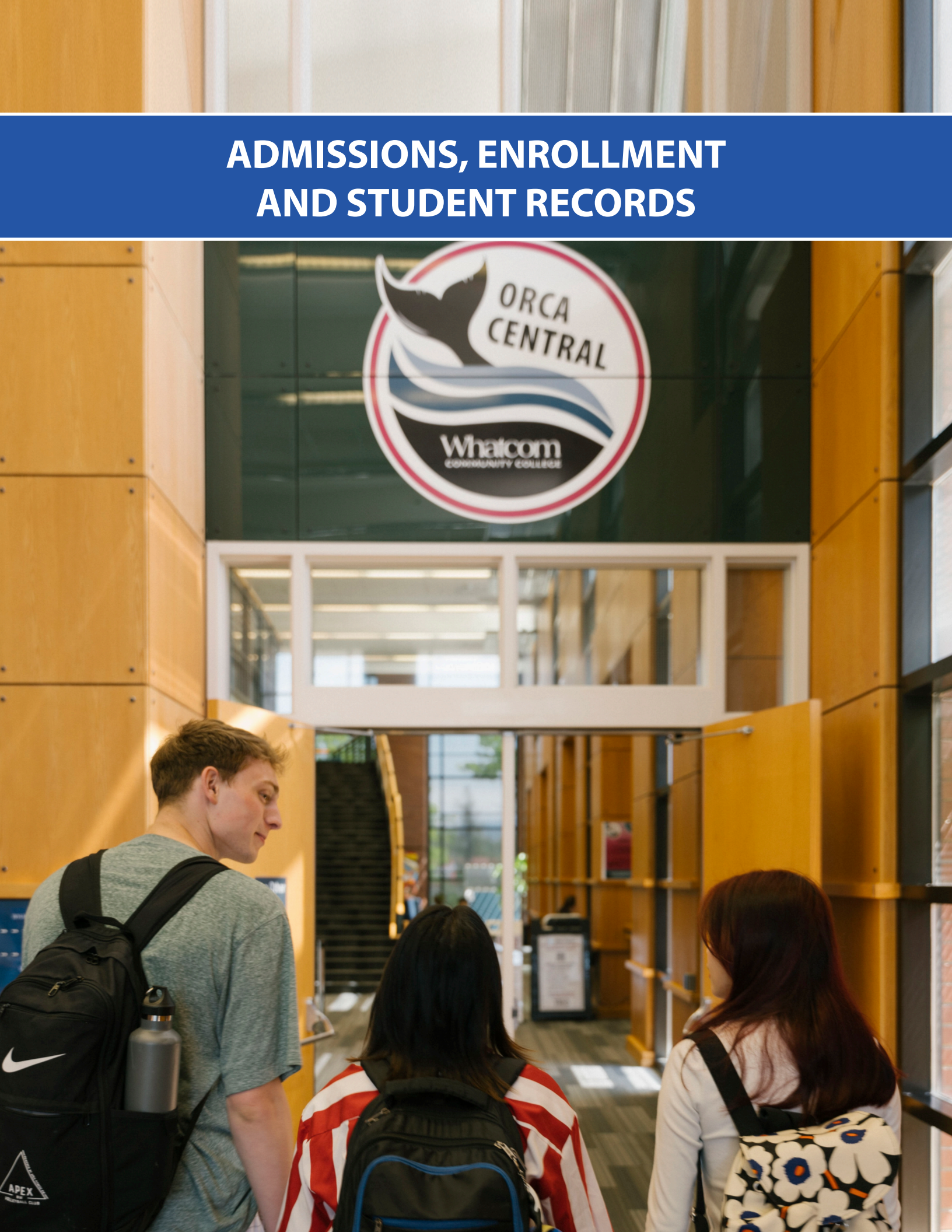
Legal Disclaimer

Whatcom Community College has made reasonable efforts to ensure the accuracy of the information throughout its website and publications. However, the college reserves the right to make appropriate changes in procedures, policies, calendars, requirements, programs, courses and fees. When feasible, changes will be announced prior to their effective dates, but the college assumes no responsibility for giving any particular notice of any such changes. Changes may apply to prospective and current students. Nothing contained in this catalog shall be construed to create any offer to contract or any contractual rights. We encourage users to contact the college or appropriate office to obtain current information.

Limitation of Liability

WCC'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.

ADMISSIONS, ENROLLMENT AND STUDENT RECORDS



Admissions

General Admissions

Whatcom Community College (WCC) welcomes future students at least 18 years of age or anyone who has completed high school or a GED certificate. We welcome younger students, too. For students younger than 18, refer to the Special Admissions section below.

NewStudents

New students can apply online at https://www.whatcom.edu/future-students/get-started-at-orca-central/apply-now or in person in Orca Central in the Heiner building. WCC provides students with a ctcLink student portal and a MyWCC student network account, which allows access to a student email account. The college uses the student email for all formal college related communication. Following the application process, the college emails instructions on how to activate the accounts and access the student email. For more information about account activation and student email access, contact the student help desk at studenthelpdesk@whatcom.edu.

Returning Students

Students gone for less than one year do not need to re-apply to the college. Students who have been away for a year or more will need to complete a new online application at https://www.whatcom.edu/future-students/get-started-at-orca-central/apply-now or in person in Orca Central in the Heiner building.

Transfer in Students

Transfer in students can apply online at https://www.whatcom.edu/future-students/get-started-at-orca-central/apply-now or in person in Orca Central in the Heiner building. WCC provides students with a ctcLink student portal and a MyWCC student network account, which allows access to a student email account. The college uses the student email for all formal college related communication. Following the application process, the college emails instructions on how to activate the accounts and access the student email. For more information about account activation and student email access contact the student help desk at studenthelpdesk@whatcom.edu.

Transfer in students who are seeking a degree or certificate from WCC will want to have previous transcripts evaluated for courses that will apply to the degree or certificate. The student needs to send official transcripts from all previous institutions and complete a Transfer Credit Evaluation Request form. The Transfer Credit Evaluation Request form is available on the college website, from an advisor or in Orca Central.

Until the official evaluation is completed, the student may show an unofficial transcript to an advisor to use a course from another college as a prerequisite.

Placement for Math & English Courses

Students pursuing a degree or certificate will need to determine placement into the right level of math and English prior to enrolling. Students can use previous college or high school transcripts or complete an Informed Self-Placement for both English and Math. Students can contact Orca Central for guidance. More information is on the website.

Enroll in Classes

Students receive an enrollment appointment two to three weeks prior to the start of each enrollment period. Most students are able to enroll on or after this date and time. Students who have holds or need enrollment requirement overrides will need to enroll in-person in Orca Central or with their advisor. Holds need to be cleared and enrollment requirement overrides need an advisor or instructor signature before the student can enroll. Contact Orca Central with questions.

Pay Tuition or Confirm Financial Aid

Before attending classes, students need to pay tuition or confirm financial aid is available. WCC encourages all students to prepare a personal budget and inventory financial resources before starting college.

Students must pay their tuition or confirm that the Financial Aid office has posted the amount of their financial aid award before starting classes. Students should apply for financial aid approximately three months in advance. As an alternative, they may sign up for a tuition payment plan after enrolling in classes. Students have access to CashCourse, a financial advice and planning resource.

Orientation

All new WCC students should attend new student orientation prior to their first day of class. Students will learn about resources and services available to them and will become familiar with the campus. For more information go to the college website.

Special Admissions

International Students

Whatcom Community College admits qualified international students to academic programs and intensive English courses during each of the four academic terms.

Admission requirements for academic programs include:

- A completed and signed international student application form with an application fee of $50.
- A financial statement of support demonstrating sufficient funding for one full year of study.
- High school transcripts and college/university transcripts (if applicable).
- Advanced placement on Whatcom Community College's English placement exam, or completion of the intensive English for Speakers of Other Languages program.

Admission requirements for intensive English courses include:

- A completed and signed international student application form with an application fee of $50.
- A financial statement of support demonstrating sufficient funding for one full year of study.
- Minimum age of 16 years.

Running Start Students

To participate in Running Start, high school students must be of eleventh or twelfth grade standing, as determined by the public high school or public school district (including students attending a private school or receiving home-based instruction). Specific procedures regarding the Running Start program are available at www.whatcom.edu/runningstart. There are no admissions requirements for Running Start other than completion of their sophomore year in high school.

Transitional Learning Programs (ABE/GED, ELL)

To enroll, a student under 19 years of age must:

- Provide a "Request for Approval to Test" release form signed by the school district of residency, OR provide proof of high school graduation.
- Attend an orientation session and complete the assessments for admission, achieving a minimum score.

The director of transitional learning programs will determine eligibility based on a review of the above items according to the following criteria:

- Ability to benefit in an adult learning environment
- Competency in academic skills
- Availability or lack of availability of other educational options

Note: Federal grant requirements do not allow students under the age of 16 to enroll in transitional learning classes.

Special Admission for Underage Students

Students under 18 who want to attend WCC may do so under certain conditions. Students who are juniors or seniors in high school may participate in Running Start and College in the High School. WCC does not desire to replace or duplicate the functions of local public schools, so it is rare for WCC to admit students under 18 to earn college credit outside those programs.

Students younger than junior standing may apply for special admission to take college courses if they demonstrate competency in academic skills, the ability to benefit in an adult learning environment, and/or a unique artistic, academic, or technical talent. Permission from the student's parents and school is required.

Applications from students under 18 to take college courses are reviewed on an individual, case- by-case basis by the K-12 Partnerships staff. For students under 16, the Vice President for Student Services reviews and makes admission decisions. For more information, contact the Running Start office at 360.383.3123 or rstart@whatcom.edu.

Admission Into Professional-Technical Programs

For most of WCC's degrees and certificates, you can start in any term. However, some programs admit students only once or twice each year, and some have courses to complete or other requirements before you can apply to them. See the WCC website for full information.

The following degree/certificate programs have special admission requirements prior to entry:

- Applied Business Management Bachelor of Applied Science degree
- IT Networking-Cybersecurity Bachelor of Applied Science degree
- Social Work Bachelor of Applied Science degree
- Massage Therapist certificate
- Medical Assisting degree or certificate
- Nursing Assistant-Certified certificate of proficiency
- Nursing degree
- Physical Therapist Assistant degree
- Substance Use Disorder Professional Alternative Training certificate of proficiency
- Visual Communications degree

Enrollment

Enrollment Deadlines and Tuition Payment Dates

Visit the registration calendar on WCC's website for current information.

Enrollment

Enrollment dates are set based on the student category and number of credits a student has earned at WCC. Veterans, service members, eligible spouses and dependents, and students accessing Access & Disability Services enroll prior to current, former and new students. Enrollment occurs as follows: Veterans and students accessing Access & Disability Services enroll first, followed by current and former students. New students begin enrolling during open enrollment. More information is available on the registration calendar on the WCC website.

Waitlists

Once a class section is full, a waitlist is created for the class. You can add yourself to the waitlist using the online registration process. You are limited to two waitlist sections per quarter. If a seat becomes available before the first day of the quarter, the first student on the waitlist is automatically enrolled. Adding your name to a waitlist lets the college know this course is in demand and the college may be able to add another section. If/when space becomes available in the class, those spots are filled from the waitlist. Students who are enrolled into a class from the waitlist will receive a text message and email, telling them to check their class schedule in ctcLink.

You are not charged tuition for waitlisted classes, until/unless you are moved from the waitlist into the class.

Being waitlisted does not guarantee enrollment into that class. Students are encouraged to work with their advisor to explore what options are best for their circumstances. The waitlist stops automatically moving students on the last day before the term begins. Students who are still on the waitlist on the first day of the term will want to reach out to their instructor for permission to be added to the class.

Schedule Changes/Withdrawal from Course/Grading System Changes

Students may add classes through the third day of the term without instructor permission. After the third day of the term, instructor permission is required to enroll in classes. Students have until the last day of the 8th week to withdraw from classes in the fall, winter, and spring terms and until the last day of the sixth week in the summer term (refer to the online registration calendar for official dates and deadlines, including refund deadlines). Students who are unable to make changes online should go to Orca Central or email the Records & Registration Office, registration@whatcom.edu .

Caution: Students receiving financial aid of any kind should check with the financial aid office before changing their schedule. Otherwise, they may owe the college additional funds or need to repay funds they received for that term.

Late Enrollment

Late enrollment begins on the fourth instructional day of each term and students will need permission from the instructor to register. Tuition is due at time of enrollment.

Enrollment Requirements

An Enrollment Requirement describes the skills and/or knowledge the student must have before taking a class. Enrollment Requirements are listed in the catalog and class schedule. Students are expected to satisfy all Enrollment Requirements prior to starting the course. The registration system will allow a student to register in class for the next term if they are currently enrolled in the Enrollment Requirement. However, if a student does not earn the necessary grade in the Enrollment Requirement, the Records and Registration office may withdraw the student during or before the first week of the term for a regularly scheduled class, or at the first class meeting for a class that has non-standard meeting times. Students may request an override from the instructor, but the override is given at the instructor's discretion.

First Week Attendance

During the first week of the term, it is important that students attend/participate in all classes in which they are registered. Attendance and participation are set by the individual specific to the course taught. A student who does not attend/log in by the beginning of the fifth class meeting in the term and who has not made prior arrangements with the course instructor may be dropped from the class at the discretion of the instructor. WCC does not always, however, withdraw the student for never attending. A student who is not dropped by the College or does not officially drop themselves may be issued a failing grade by the course instructor based on non-attendance. Note: Students withdrawn during the first week under this policy will receive a refund of tuition and fees, if due.

Credit Load

A student is full-time when taking 12-18 credits. An average of 15 credits of college-level courses per term will allow a student to earn an associate degree in two years. Students in good academic standing can enroll for 18 credits without any restriction. Students who want to enroll for more than 18 credits will need their advisor’s approval.

Changing to Satisfactory/Unsatisfactory Grading

Students can change from letter grading to satisfactory/unsatisfactory (S/U) grading by submitting a request with the Records & Registration office. Refer to the online registration calendar for specific dates.

Auditing a Course

Students who want to attend a course without earning the credit can choose to audit it. There are no restrictions on auditing a course, but the student may still need to meet prerequisite requirements. Students can choose whether to turn in assignments, attend all or some of the classes, take exams, or participate in class discussion. These courses do not apply toward an academic credential. Choosing to audit a class does not change the tuition amount. Students can change from letter grading to audit grading by submitting a request with the Records & Registration office. Refer to the online registration calendar for specific dates.

Incomplete Course

Incompletes are issued by the instructor when a student has, for good reason, been delayed in completing the required work but can successfully do so without additional instruction. A signed agreement between the instructor and the student, outlining the timeframe and work to be completed, must be submitted to the Records & Registration office. Grades awarded for completed work replace “I” grades and are recorded in the

initial term of enrollment. Credits are not granted until the "I" has been changed. If a student does not complete the agreement in the allotted amount of time, the Records department will change "I" to the standing grade that was assigned by the instructor on the incomplete agreement.

Hardship Withdrawals

Students who have an unforeseen hardship, extenuating circumstance, during the term may be eligible to withdraw past the published deadline and/or receive a refund. Students could qualify for a refund if they have experienced a medical emergency that caused them to miss a substantial portion of classes, were called to active duty by the military, or had a death of a family member. Students need to submit a hardship withdrawal petition with supporting documentation to the Entry & Enrollment Services office, by the last day of the term for which the hardship applies. More information and petitions are available in Orca Central or on the WCC website.

Student Records

Notification of Student Rights under FERPA

The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part 99), a federal law that protects the privacy of student education records, 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 education records within 45 days of the day Whatcom Community College (hereinafter referred to as "the College") receives a request for access.

   Students submit a written request to the registrar, identifying the record(s) they wish to inspect. The registrar coordinates access and notifies the student with details to inspect the records. If the records are maintained by another College official, the registrar will refer the student to the correct College official.

2. The right to request the amendment of the student's education records that the student believes are inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

   Students interested in amending a record submit a written request to the responsible College official. The request identifies which part of the record needs to be changed and provides reasoning for the change. Once the College finalizes a decision, students are notified in writing, including the student's right to a hearing regarding the amendment request.

3. The right to provide written consent before the College discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent. FERPA authorizations include:

   - Disclosure to school officials with legitimate educational interest. A school official is a person employed by the College in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the College has contracted (such as an attorney, auditor, third party servicers such as the National Student Clearinghouse, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.
   - Volunteers or contractors outside of the College performing institutional services or functions under the direct control of the College with respect to the use and maintenance of PII from education

records. Examples include attorneys, auditors, collection agents, or student volunteers assisting another school official in performing his or her tasks. College volunteers or contractors have a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility for the College.

- The Solomon Amendment authorizes disclosure of "student recruitment information" for military recruiting purposes without student consent. Disclosed information for currently enrolled students over the age of 16 includes name, address, telephone listing, year of birth, class level, academic major, degrees received, and most recent previous educational institution.

4. The right to prevent disclosure of directory information. The College routinely publishes and discloses student directory information. Whatcom Community College defines directory information as:

    - Student's name
    - Major field of study
    - Terms of attendance (not specific days)
    - Degrees and certificates earned
    - Term degree or certificate awarded
    - Honors
    - Enrollment Status (full time or part time)
    - Participation in officially recognized sports

A College official will determine whether to disclose directory information if requestor presents a legitimate need to know.

To prevent disclosure of personally identifiable directory/student recruitment information, students sign and submit a "notice of non-disclosure" form to the Entry and Enrollment Services Office, Laidlaw Center, 102.

5. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Whatcom Community 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.

The College will publish this notice in its college catalog and on its public website. The College's complete FERPA policy is contained in Washington Administrative Code (WAC) 132U-280.

Student Access to Records

Student records are housed inside ctcLink, the student record management system utilized by all 34 community and technical colleges in the State of Washington. At the time of admission, students are assigned a unique student identification number (Empl ID). After students are admitted, they can activate their account, which involves setting a password and creating security questions. ctcLink accounts must be activated using a desktop or laptop computer. Once activated, students can access the account via the mobile app. More information can be found at www.whatcom.edu .

Final Grades

Final grades are available on the Wednesday following the last day of each term.

Transcripts

Students can request an official transcript online through Parchment or by submitting a request form in Orca Central. Students may need to clear any holds on their records before the college will process the request.

Financial Obligations of the Student

Students who receive services from the college for which a financial obligation is incurred (e.g., tuition, fees, loans, library/parking fines, etc.) are expected to exercise responsibility in meeting those obligations. Appropriate college staff are empowered to act in accordance with regularly adopted procedures, to carry out the intent of this policy, and to initiate legal action, if necessary to ensure that collection matters are brought to a timely and satisfactory conclusion.

If a student does not meet their financial obligations to the college, it may result in the college restricting admission to or enrollment with the College and withholding the conferring of degrees and issuance of grades and academic transcripts.

GRADES, GRADUATION REQUIREMENTS, TRANSFER CREDIT



Grades

Credits and Course Numbering

Credit

Credits are quarter hours. Each quarter hour represents one 50-minute class period each week for the duration of a term, or the equivalent in laboratory, fieldwork, or approved independent study.

Course Numbering System

1-99 Developmental courses intended to bring the student to a general level of knowledge equivalent to grade 12 completion, or post-high school review courses.

100-199 Freshman level courses.

200-299 Sophomore level courses.

300-399 Junior level courses.

400-499 Senior level courses.

Grading System

Grades are recorded on the student's permanent record at the end of each term. The following symbols are used to indicate achievement for courses in which the student is officially registered.

A Superior Achievement

A-

B+

B High Achievement

B-

C+

C Average Achievement

C-

D+

D Minimum Achievement

F Less Than Minimum Achievement

Indicates that a student did not demonstrate minimum achievement toward course outcomes either because the student did not complete a sufficient amount of work or because a student performed at a level below minimum achievement on work completed.

I Incomplete

Indicates that a student was given permission to complete the requirements of a class at a later date.

N Audit

Indicates that a student chose not to receive credit for a class.

S/U Satisfactory/Unsatisfactory

Certain classes are designated S/U grading only; a student may choose S/U grading for other classes.

Effective Fall 2022: For an S/U course or a student who is being given a grade on an S/U basis, an S grade can only be given if the student would otherwise have achieved a C or 2.0 grade or better. The S grade satisfies all prerequisites except those that require a higher grade. The following courses are exceptions and have prerequisites that require a grade higher than a C:

- BIOL& 222 – with prerequisite of BIOL& 221 with a minimum grade of B-
- BIOL& 223 – with prerequisite of BIOL& 222 with a B- or better
- BIOL& 241 – with prerequisite of minimum grade of B- in BIOL& 160 or BIOL& 222
- BIOL& 260 – with prerequisite of minimum grade of B- in BIOL& 160 or BIOL& 222

W Official Withdrawal

Indicates that a student officially withdrew from a class by completing a withdrawal transaction by the end of the eighth week of the term or received approval for a hardship late withdrawal after the eighth week of the term. Official withdrawals occurring after the 20th calendar day of the term are posted to the student's permanent record. **Note:** All term deadline dates noted above are prorated for summer term to compensate for the shorter length of the term.

Y Work in Progress

Indicates that a student has work in progress for a class that begins and/or ends outside the regular starting/ending dates of the term. Such classes include Learning Contracts, Co-op Contracts, and continuous enrollment classes. Grades awarded for completed work replace "Y" grades and are recorded in the initial term of enrollment. If a student does not complete the requirements for the class by the end of the following term, the instructor may change the "Y" to the appropriate grade earned; otherwise, the "Y" will be automatically changed to an "F" grade. Credits are not granted until the "Y" has been changed.

*** No Grade Recorded or Invalid Grade or Late Finishing Class**

Grade Point Values/Average

Grade point values (GPV) are assigned to the following grades:

Grade	GPV	Grade	GPV	Grade	GPV
A	4.00	B-	2.70	D+	1.30
A-	3.70	C+	2.30	D	1.00
B+	3.30	C	2.00	F	0.00
B	3.00	C-	1.70		

Grades S, U, I, N, W, Y do not carry grade point values and are, therefore, not computed into the student's grade point average.

Note: Credit is awarded for S.

A student's grade point average (GPA) is computed on a quarterly and cumulative basis. The term GPA is computed by dividing the total number of term grade points by the total number of term A through F credits earned. The cumulative GPA is computed by dividing the total number of all grade points by the total number of all A through F credits earned.

From Fall 2021 forward, credits earned through Transitional Learning (the disciplines ABE, HSC, and ELL) are not auto calculated in any grade point computations, and credit is not automatically transcripted. Please contact the Records & Registration office or the Transitional Learning office with any questions.

Grade Changes

Once a grade has been recorded on the student's academic transcript, it is considered final. If a student believes a grading error has occurred, the student should contact the instructor as soon as possible. An instructor may initiate a grade change form only under the following circumstances:

- Instructor error in grade computation (must be submitted within one year after the end of the term in which the grade was issued).
- Additional or supplemental coursework submitted to complete "I—Incomplete" (as agreed upon in Incomplete Agreement signed by student/instructor) or "Y—Work in Progress" (by the end of the following term).

Documented data entry errors brought to the attention of the Records & Registration Office within one year after the end of the term in which the grade was issued will be corrected immediately (no grade change form is required).

Grade disputes between a student and instructor must be resolved in accordance with the student rights & responsibilities outlined in the college policies section of this catalog. Students are encouraged to consult with the instructor and/or the appropriate department chair before initiating a formal complaint.

Repeating a Course

Some courses are designated as repeatable for additional credit up to the maximum specified. A separate grade is issued for each completion. See individual course descriptions for such courses.

For courses other than those designated as repeatable for credit, a student may only repeat a course a maximum of two times (this is defined as two repeats in addition to the original enrollment). This includes attempts where the student withdrew from the course and received a "W" grade. The Records & Registration Office automatically checks for repeated courses at the end of the term. However, if needed, students can submit a course repeat request with their Advisor or by contacting the Records & Registration Office. Although courses may be repeated to improve the grade earned, credit is applied only once. Each grade received will appear on the student's academic transcript, but only the credits and grade with the higher-grade point value will be used to compute grade point average. Repeated courses that are excluded from GPA are noted on the transcript.

Students may appeal to be allowed to take a class for a fourth time. Contact your advisor for more information.

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

Dean's List

The Dean's List is a fall, winter, and spring term roll of full-time students who have satisfactorily completed a minimum of 12 credits in which letter grades with grade point values have been assigned and who have earned a minimum 3.50 term grade point average. Official withdrawals that occur during the first 20 calendar days are disregarded. The Dean's List is not recorded on the official transcript.

Petition for Exclusion of Low Grades

Students can have prior courses from Whatcom Community College excluded from their GPA calculation. The petition benefits students who would not otherwise be able to overcome a large GPA deficit. Students are eligible when:

- Grades are at least three years old.
- There was a break in enrollment of 4 terms.
- The student has completed at least 25 college level credits with GPA of 2.0 since returning.

Petitions must request exclusion of all grades prior to a given term; a request to exclude single grades within a term will not be considered.
Note: classes and grades remain on the official transcript, and other institutions may still use them. Please see an advisor for transfer strategies.

Academic Progress Policy

The academic progress policy recognizes students in good academic standing and seeks to assist those who are struggling.

- Students with a cumulative and term GPA above 2.0 are in good standing.
- Students whose term GPA drops below 2.0 are on warning.
- Students whose term and cumulative GPA are below 2.0 are on probation and must attain a 2.0 or better term GPA in subsequent terms. They return to good standing when their cumulative and term GPA are both 2.0 or higher.
- Students on probation whose term GPA falls below 2.0 are suspended. Students who are suspended can take one class at up to five (5) credits. Students wanting to take more than five credits can petition to do so by meeting with their academic advisor. Approved petitioners follow the same rules as a student on probation.
- Students who are suspended return to good standing when their cumulative and term GPA are both 2.0 or higher.

Graduation Requirements

Catalog Agreement

A student becomes eligible to graduate by completing the graduation requirements outlined in the catalog. Requirements change from time to time, and a student may choose to graduate under any catalog that was in effect during their most recent period of continuous enrollment. Enrollment is considered continuous until the student has a break of four consecutive terms, including summer. A term is counted as part of the break if no coursework appears on the student's transcript. After a break, the returning student must meet the requirements of the catalog(s) in effect during their period of re-enrollment.

General Graduation Requirements for All Degrees and Certificates

To receive a degree or certificate from Whatcom Community College, students must fulfill the following general requirements:

- Complete, with a passing grade, the minimum number of credits required. All courses must be at the college level.
- Earn a minimum of 25 college-level credits (100 or above) at WCC. Exception: Earn a minimum of 15 college level credits (100 or above) at WCC to complete the Associate in Arts and Sciences (AAS-DTA), Associate in Liberal Studies (ALS) or Associate in Science – Transfer (AS-T) degree.
- Meet degree/certificate requirements according to the college's catalog agreement.

- Unless otherwise specified by the program, obtain a cumulative grade point average of 2.0 in all coursework applied to the degree or certificate. *
- Apply for graduation. A student must apply by the priority deadline published in the enrollment calendar on the website if they wish to obtain information for final term advising. Late applications will be accepted but might not be processed in time for final term advising.

General education/related instruction requirements (except for required prerequisites) in professional-technical degrees and certificates are automatically satisfied for students who have completed a direct transfer agreement (DTA) associate degree from an accredited institution within the state of Washington or a baccalaureate degree from an accredited institution within the United States. Other degrees will be considered on a case-by-case basis. Please see page the section "College or University Credit" in the Credit for Prior Learning scetion of the catalog for accepted accreditation agencies.

For the bachelor of applied science degrees, the general education-basic and general education-distribution requirements can be satisfied with a previously earned bachelor degree.

***Note:** many receiving institutions have higher grade point average requirements for admission either to the institution or to a particular major program. Students should check the requirements at the desired receiving institutions to make sure they are meeting minimum eligibility requirements to apply and/or transfer.

Waiving a Graduation Requirement

Students can petition the academic standards committee to waive a graduation requirement. Documentation must be provided with the petition and not all petitions are eligible for review. Students are encouraged to seek advice from the graduation department or an academic advisor when considering this option. Petitions are available in and submitted to the Records & Registration Office.

Students' Responsibilities

Students have the following responsibilities in successfully completing a degree or certificate:

- Knowledge and understanding of college policies.
- Ensuring that all necessary course requirements have been met.
- Providing official transcripts of course work to be transferred in from other accredited institutions.
- Requesting an official evaluation using the form published on the WCC website.
- Providing appropriate course descriptions and/or syllabi for transferred courses from the year the courses were taken, if requested by the evaluations department.

Graduation with Honors

Certificates:
These types of awards are not eligible for graduating "with honors".
Associate Degrees:
A student graduates “with honors” when they complete an associate degree and have a WCC college-level grade point average (GPA) of 3.50 or better.

Transfer credits will be included in the calculation if:

- the student's college-level GPA is below 3.50 based on WCC credits only, OR
- the student has completed fewer than 45 WCC college-level graded credits.

Applied Bachelor's Degrees:
A student graduates "cum laude" when they complete an applied bachelor's degree and have a BAS GPA of 3.50 or better. Their BAS GPA is defined as their WCC college-level GPA from the period beginning with their entry into the BAS program.
Transfer credits will be included in the calculation if:

- the student's BAS GPA is below 3.50 based on WCC credits only, OR
- the student has completed fewer than 45 WCC college-level graded credits. Only transfer courses taken since entry into the BAS program will be included.

Graduation "with honors" or "cum laude" is based solely on the student's GPA. It is not the same thing as participation in the Honors Program. Students may do both.

Graduation in the Honors Program

To graduate in the honors program, a student must apply and be accepted into the honors program, maintain a 3.50 GPA and complete no fewer than two honors seminars/projects. For more information, see Honors Program in the Educational Options section of this catalog.

Credit for Prior Learning

Whatcom Community College recognizes various types of previous coursework and experience which may count toward a WCC degree. These include credit earned at other institutions, high school dual credit programs, and academic credit for other prior learning.

A student who wishes to have WCC apply non-WCC credit to a degree or certificate is responsible for providing official documentation (college transcripts, score reports, military training transcripts, etc.). The student must request an evaluation of these credits by submitting a transfer credit evaluation request form.

If the student lists more than one previous college, examination or other type of prior learning on the evaluation request form, the college will wait to begin its official evaluation until it receives documentation of all of them.

Until the official evaluation is completed, the student must provide unofficial copies of their documents to their advisor if they wish to use a non-WCC course as a prerequisite.

The college does not officially evaluate non-WCC credit for students who are not earning a WCC degree or certificate.

Note: Credit awarded by WCC for prior learning will not necessarily transfer to another college or university. Each institution evaluates prior learning credit independently.

College or University Credit

WCC reserves the right to determine which courses are acceptable for transfer from other institutions, but every attempt will be made to grant credit for equivalent courses. There are some limitations:

- Course credits must usually be earned from an institution accredited by one of the following agencies:
    - Higher Learning Commission

    - Middle States Commission on Higher Education
    - Northwest Commission on Colleges and Universities
    - New England Commission of Higher Education
    - Southern Association of Colleges and Schools, Commission on Colleges
    - WASC Senior College and University Commission
    - Western Association of Schools and Colleges, Accrediting Commission for Community and Junior Colleges
    - Courses from institutions with other types of accreditations are rarely eligible but may be considered on a case-by-case basis.
- Only college-level courses for which credit has been granted with a grade of D (1.0 Grade Point) or higher by the sending institution will be considered.
- Credit for sectarian religious studies cannot be accepted.
- Students with non-U.S. transcripts must first request an evaluation from a professional service for evaluating foreign credentials. See the WCC website for details.

WCC will notify the student of the results of its evaluation of their previous coursework. If the student has concerns about the evaluation, they should first discuss them with a credential evaluator in the Records & Registration Office. To officially request an exception or appeal the evaluation, the student should work with their advisor on submitting a course substitution or petition form depending on the issue. An evaluator, advisor, administrator, or faculty member can also act on the student's behalf.

Reciprocity Agreement for Transfer Degrees

Even though Washington's community and technical colleges (CTC's) offer many similar courses, they sometimes assign them to different categories. To make that less of an obstacle to students who transfer between CTC's, the colleges offer "reciprocity." Reciprocity means that a student who transfers a course that fell into a certain category at the CTC where they completed it – a category such as communication skills, quantitative skills, one of the distribution areas, or diversity – may have the course used in that category for a similar transfer degree at WCC. Course credit earned for prior learning is included.

If the student earned a cumulative GPA of at least 2.0 at the CTC they are transferring from, had completed the required number of that college's own credits, and had completed an entire category, they may have WCC use the entire completed category.

The student must submit a request for reciprocity and provide any necessary documentation to WCC. The student is still subject to the terms of the WCC catalog and must complete any degree-specific and WCC-specific graduation requirements, including the minimum number of WCC credits required for their degree. They may choose any catalog that was in effect during their most recent period of continuous enrollment at WCC.

Reciprocity applies to the Associate in Arts and Sciences (AAS-DTA) transfer degree, the Associate in Business, Associate in Music and Associate in Nursing (DTA/MRP) major-related programs, and the Associate in Science-Transfer (AS-T and AS-T/MRP) degrees. For complete information, students should contact an advisor in the Advising and Career Services office.

High School/Dual Credit Programs

Advanced Placement (AP)

The Advanced Placement (AP) program consists of college-level courses and exams for high school students. The college follows statewide guidelines in awarding credit for AP exams. AP exams without comparable WCC course offerings will be eligible for elective credit.

Students who apply for AP credit must request that official AP scores be sent directly from the College Board to the WCC Records & Registration Office. AP credit is considered transferred-in credit and credit is posted on the student's academic transcript at the time of acceptance. Acceptable scores and course equivalencies are published on WCC's website.

College in the High School

High schools in Whatcom County may contract with WCC or other colleges to offer designated classes for college credit through the College in the High School (CiHS) program. Information on classes and procedures for CiHS is available at individual high schools. Students who earn CiHS credit from a college other than WCC must request that the other college send an official transcript to the WCC Records & Registration Office.

International Baccalaureate (IB)

The International Baccalaureate program consists of college-level courses and exams for high school students. The college follows statewide guidelines in awarding credit for IB exams.

Students who apply for IB credit must request that official IB scores be sent directly from International Baccalaureate to the WCC Records & Registration Office. Acceptable scores and course equivalencies are published on WCC's website.

Career and Technical Education (CTE) Dual Credit

Students who complete approved high school CTE Dual Credit courses with a grade of "B" or better may request college credit by completing and submitting a Whatcom County CTE Dual Credit Consortium application form. It is not necessary for the student to also submit a transfer credit evaluation request for these credits. All CTE Dual Credit courses accepted for credit at WCC will be transcribed with the grade earned in the student's high school course. Courses are only transcribed within the academic year the student completes the course work. More information can be found at www.whatcom.edu/academics/high-school-programs/cte-dual-credit.

Note: WCC credit is awarded for CTE Dual Credit courses based on agreements between the college and local high schools to assist students in earning WCC degrees and certificates. Award of the credit at WCC does not guarantee or imply that other institutions will accept it as transfer credit.

Other Types of Prior Learning Credit

WCC provides students with an opportunity to earn college credit for the knowledge and skills gained from previous education or training, military experience, volunteer, life and work experiences. Prior learning must be aligned with a corresponding WCC course to be considered for credit. Students who believe that their professional experience, self-study or industry certifications meet the specific outcomes of a WCC course may demonstrate their prior learning in the following ways:

Certification Crosswalks

Credit may be awarded for certain industry licensures or certifications that have crosswalks to WCC courses. For a current list of recognized certification crosswalks, please contact the credential evaluators in the WCC Records & Registration Office.

Course Challenge

Enrolled students may earn college credits when they demonstrate by examination or evaluation that their professional experience, substantial prior learning, or industry certification meets specific outcomes of a WCC course. Each department determines the evaluation method required for students to demonstrate mastery of the course content. Not all courses are appropriate for course challenge. Contact Orca Central to make an appointment with the prior learning coordinator.

Cambridge International (CI)

Whatcom Community College grants credit for Cambridge International A level tests based on statewide guidelines. Acceptable scores and course equivalencies are published on WCC's website.

CLEP

WCC awards credits for College Level Examination Program (CLEP) exams that meet the subject and score criteria agreed upon by the college departments that oversee each appropriate discipline. Acceptable scores and course equivalencies are published on WCC's website.

Students who apply for CLEP credit must request that official CLEP scores be sent directly from the College Board to the WCC Records & Registration Office. CLEP credits may not transfer to other colleges and universities. It is the student's responsibility to contact transfer institutions regarding the acceptance of these credits.

Military Training

Whatcom Community College values the training, knowledge, and experience provided to our military servicepersons. Anyone who has served in a branch of the United States armed services and who is enrolled at WCC is eligible to have military training evaluated for college credit (RCW 28B.10.057).
Whatcom Community College (WCC) will make every effort to award credit for military training where possible. The following procedure is intended to clarify requirements, processes, and timelines for awarding credit. Students receiving veteran education benefits, active-duty tuition assistance or who desire evaluation of military training are required to complete the following:

- Declare intent to complete a program of study offered at WCC.
- Provide an official Joint Services Transcript (JST), from the Community College of the Air Force (CCAF), or from any other college/university attended.
- Submit all transcripts for evaluation within three terms of admission to the program or be decertified for benefits.
- Submit a request to evaluate military training to the credential evaluators in the Records & Registration Office. Students receiving VA benefits or active-duty tuition assistance cannot opt out of prior credit evaluation.

The college, upon receipt of all the official transcript(s) and the student's credit evaluation request, will:

- Review military training transcripts received within 3 weeks for reading, English and mathematics placement (academic advising staff).
- Evaluate and record military training or experience that is substantially equivalent to any academic or program course offered at WCC no more than 8 weeks (credential evaluation staff & program faculty).

- Credential evaluation staff will evaluate all training and courses that are academic in nature towards the general education required for the program of study.
- Program coordinators, directors and/or appropriate faculty will evaluate all training and courses applicable to the program of study. Transcripts, course descriptions, previously determined credential equivalencies and ACE (American Council on Education) course recommendation are used to determine equivalent credit recommendations
- With final approval from the registrar, credentials evaluation staff will post all applicable credit to the student record and notify the student of the courses and credits awarded.

WCC will establish standard equivalencies to military credentials where possible. In the event the student changes their program of study, transfer credit will be re-evaluated at the student's request and applied to the student record as applicable.
An exception will be made when criteria from an outside agency must be met prior to acceptance into the program.

EDUCATIONAL OPTIONS



Educational Options

Programs and Courses for College Credit

See the Degree and Certificate Information section and the Course Descriptions section of the catalog.

Customizing Your Education

Learning is a lifelong experience that takes place in many forms and settings. At Whatcom Community College, various modes are available for learning:

Face-to-Face Courses

Students attend regularly scheduled class sessions where instruction consists of classroom discussion, presentations, lecture, laboratory, and/or group work. The course may be supplemented with a variety of other learning methods, including online discussion groups, assignments, or testing. Face-to-face course sections may require the use of an online course platform or other technological resources. Students with limited access to a computer or the Internet may use the computers available in the Learning Commons on campus or may discuss alternatives with their instructor.

There are two modalities for face-to-face courses. They are:

- In-Person: a face-to-face class with scheduled meeting times, that does not require the use of web-based tools.
- In-Person (Web-Enhanced): a face-to-face class with scheduled meeting times, that requires the use of web-based tools.

Online and Hybrid Courses

WCC provides convenient alternatives to traditional face-to-face classroom instruction for busy, self-motivated students.

Online courses use a variety of technologies, materials, and methods to achieve the same learning outcomes as traditional courses. These courses are conducted solely through an online platform, but a few may require in-person exams.

There are four modalities for online courses. They are:

- Online Scheduled: an online class where instruction takes place synchronously (virtual meetings held at specific days and times noted in the class schedule) using internet/web-based tools. The class may include activities held asynchronously (without a set time to attend).
- Online Scheduled with In-Person: an online class where instruction takes place synchronously (virtual meetings held at specific days and times noted in the class schedule) using internet/web-based tools. In-person activities such as assessment, exam, and/or orientation are required for class completion.
- Online Asynchronous: a class in which all required instruction occurs online asynchronously (without a set time to attend but within a specified time frame) using web-based tools. There are no required real-time (synchronous) class meetings; however, the instructor may choose to offer optional hours and other activities where attendance is not required.

- Online Asynchronous with In-Person: a class in which all required instruction occurs online asynchronously (without a set time to attend but within a specified time frame) using web-based tools. Scheduled in-person activities (assessment, exam and/or orientation) are required for class completion.

Hybrid courses are conducted partly through an online course platform, and partly face-to-face (hybrid is officially defined as "a class that displaces some, but not all, face-to-face instruction time with web-based tools").

Flexible Courses

- Flexible: a class in which the student can choose to attend face-to-face or take the class using a mix of online scheduled or online asynchronous (non-scheduled). Students may switch between modes throughout the term.

To learn more about online learning, visit the WCC website.

Self-Paced Labs/Mediated Learning

This learning mode allows students to progress at an individual pace with assistance from an instructor.

Contract Learning/Individualized Instruction

A learning contract is a mode of learning where a student can earn credit for independent, individualized, college-level experiences outside the classroom. Students can design their own course or use the learning contract as a way to take a course from the WCC catalog. A faculty mentor, an individual with expertise in the subject area, is recruited to facilitate and evaluate the student's learning. The learning contract coordinator helps students to develop ideas and put all the elements of the learning experience together. Call Orca Central at 360.383.3080 to make an appointment with the learning contract coordinator.

Internships/Cooperative Education

Academic internships (also referred to as cooperative education or experiential learning) provide opportunities for students to earn credit for work-based learning across disciplines. Students can utilize internships to explore a career field of interest or apply new skills from the classroom to gain deeper learning within a career-related business or organization. Internships help students develop skills and qualities for success in the workplace, such as work ethic, critical thinking, and problem solving. Measurable learning outcomes are collaboratively developed by the student, faculty mentor, and employer through an internship learning contract. In addition to their work-based learning, students complete reflections throughout the term, with an evaluation process at the end of the term. Students interested in internships are strongly encouraged to plan ahead to secure a placement in their field of study prior to beginning the course. For more information about internships, visit the WCC website, write to internships@whatcom.edu, or call 360.383.3055.

Honors Program

The Honors Program provides outstanding students with challenging and stimulating two-credit seminars. The seminars, usually taken simultaneously with a course in the regular curriculum, allow students to pursue a subject in depth and to experience a high degree of student-faculty interaction. Once a student has taken a seminar the first quarter after admission to the program, the student may elect to complete a special performance, exhibit or research project during a subsequent quarter instead of participating in a second

seminar. To graduate in the Honors Program, a student must complete no fewer than two seminars/projects. The Honors Program is documented on the official transcript at the time a degree is awarded.

Honors Program Eligibility and Application Process

Students selected for the Honors Program should demonstrate superior academic ability and intellectual curiosity. A cumulative GPA of at least 3.50 is required. The process for acceptance into the program includes:

- Complete an Honors Program application and return it to the program coordinator.
- Submit at least one faculty or staff recommendation that addresses the student's creativity, intellectual curiosity, motivation, and commitment to go beyond the norm.
- Demonstrate college-level writing in the Honors Program application and by placement in ENGL& 101.
- Maintain a 3.50 cumulative college-level GPA and abide by the WCC student rights and responsibilities to continue in the Honors Program.

For more information and an application, contact the Honors Program coordinator, or visit the Honors Program page on the WCC website.

Service-Learning

Service-learning presents opportunities for experiential learning, through organized service activities that are collaboratively designed to be mutually beneficial to students and community partners. Service-learning is an activity — usually an assignment, set of assignments, or capstone project — within a credit-bearing course in which students participate to address community needs. Students reflect on the experience to gain deeper understanding of course content, further recognition of the applications of disciplinary content, and enhanced understanding of ethical and inclusive community engagement. Various courses across the disciplines offer a service-learning component.

Study Abroad

Through the Washington State Community College Consortium for Study Abroad (WCCCSA), Whatcom Community College offers study abroad programs to many destinations around the world. WCCCSA, in cooperation with providers like the American Institute for Foreign Studies (AIFS), offers specially tailored programs for first-time international travelers. Support includes pre-program advising, a pre-departure orientation, as well as in-country support throughout the study abroad program.

Please see the WCC website for information about upcoming study-abroad opportunities.

High School/Dual Credit Programs

Running Start

The state-wide Running Start program allows high school juniors and seniors to complete college courses tuition-free. Students pay for fees and books unless income-qualified for a fee waiver and the Book Loan Program.

- College credits also apply to high school graduation requirements.
- College credits are usually transferable to most 4-year universities, meeting general undergraduate requirements and/or specific program prerequisites, saving time and money.

- Students benefit from the academic rigor and variety of course offerings at the college, aiding in competitive college applications and expanded career exploration.
- Students can be full-time college students and earn an associate degree at the same time as a high school diploma, allowing transfer with junior status to many 4-year universities.
- Students can choose to take some classes at the college and others at the high school.
- Students can continue to participate in high school activities such as sports and clubs.
- All students will meet regularly with their high school counselor to stay on track for graduation, but students do not need permission from the high school in order to participate.
- Students should expect an academically and socially mature learning environment.
- Classes can be on campus or online.
- Running Start students are not limited to particular college classes, but instead have access to all the course offerings each quarter.
- More information on Running Start can be found at www.whatcom.edu/runningstart .

College in the High School

High schools in Whatcom County may contract with WCC or other colleges to offer designated classes for college credit through the College in the High School (CiHS) program. Information on classes and procedures for CiHS is available at individual high schools.

CTE Dual Credit

CTE Dual Credit is a dual credit program that offers high school students an opportunity to earn college credits for approved high school courses. High school and college instructors have identified high school career and technical education courses that meet the entry level course requirements of comparable college courses. These courses are identified as CTE Dual Credit approved. Students enrolled in these high school courses may be eligible to receive WCC credit through the high school's articulation agreement with the college (see the Credit for Prior Learning section of this catalog). Enrollment instructions are available in the career and counseling centers at each area high school.

College Success Studies

These programs are designed to equip students with the academic and study skills, habits of mind, and learning strategies necessary for success in college and beyond. Additionally, they create a sense of belonging to the college.

Developmental Education Program

The developmental education program and math department offer a variety of math, English, and study skills classes that are designed to help students make a smooth and successful transition to college. These include college success and study skills courses to meet the learning needs of each individual.

Many students enroll in these math and English classes to prepare for the math and composition classes required in college. They choose these courses based on guided self-placement or on the recommendation of their advisor. For more information about math offerings, see the math classes, Math 94, Math 97, Math 98, and Math 99; for more information about English offerings, see the English courses, English 95, English 101 I-BEST, and English 174.

Some developmental education courses are below the 100 level. Although courses numbered below 100 are not transferable as a part of a degree or certificate program, these courses do receive credit for financial aid purposes. These courses help people build a strong foundation for required math and English courses, as well as help them be successful in future courses and other contexts.

Academic I-BEST

I-BEST stands for Integrated Basic Education and Skills Training. An academic I-BEST course is offered through the English department and the developmental education program. It provides a team-taught English 101 class with a built-in, optional, two-hour support workshop each week.

Educational Planning

These courses are designed to introduce students to college expectations and develop the skills to successfully address college course work.

Transitional Learning Programs

These programs are designed to equip students with the academic skills necessary for success in a variety of educational, employment, and personal pursuits. Please visit the Transitional Learning pages of WCC's website for more information. Apply in person in Orca Central (located in Heiner Center). Contact Transitional Learning staff by leaving a message at 360.383.3060 or by emailing TLprogram@whatcom.edu. ¡Se habla español!

Adult Basic Education/GED Prep

Adult Basic Education (ABE) classes in reading, writing, and math are designed to meet the employment and pre-college educational needs of students 19 years or older who are not enrolled in the public K-12 system. Day and online courses are offered. Students may take these classes to help them prepare for college-level classes or GED tests, or to improve their employability skills. Emphasis is on skill development for educational/career pathways and job skills. Orientation and assessment are required before enrolling into classes.

English Language Learning

Whatcom Community College offers high quality programs for students whose first language is not English. ELL (English Language Learner) classes are open to immigrants and refugees 19 years or older. Classes are offered fall, winter and spring and are available day and evening. The ELL program provides instruction and practice in listening, speaking, reading, writing and vocabulary building. Emphasis is on skill development for educational/career pathways and job skills. Orientation and assessment are required before enrolling into classes.

International students 16 years or older may take ESOL (English for Speakers of Other Languages) classes for instruction and practice in listening, speaking, reading, writing and vocabulary building. ESOL courses are open to other students in some circumstances, including Running Start students (who can use RS funding for 100-level ESOL courses) or other students who are not eligible for the ELL program. Orientation and assessment are required before enrolling in classes.

Adult High School Completion (HS+)

The Adult High School Completion (HS+) program provides adults 18 years and older with the opportunity to finish their high school education and earn a high school diploma from Whatcom Community College. Students may focus solely on their diploma or work simultaneously on a college degree. Credit can be earned for some life and work experience. For example, a student can receive PE credit for hiking, Occupational credit for working, or Art credit for DIY projects. To be eligible, students must be at least 18 years old, and their graduation year must have passed. Students must live in Washington state, but there is no one-year Washington state residency requirement.

Students may speak with the High School Completion advisor about HS+ as well as GED exams, the Ability to Benefit program and other options.

I-BEST

I-BEST stands for Integrated Basic Education and Skills Training. An I-BEST program is one that pairs a college course/program with integrated English and/or math skills. Students improve their reading, writing and/or math skills simultaneously with the college course/program. Often students take an extra support class to help master course content.

Parenting Education

In the parenting education program, parents/caregivers enroll in a 3-credit WCC Parent Education class and their child is enrolled in a WCC-affiliated cooperative preschool in Bellingham or Lynden. Children attend preschool 3-4 days a week and parents/caregivers actively participate in the running of the cooperative preschool. Parents/caregivers may complete a certificate in Parenting Education after two years of enrollment. Visit the WCC website for more information.

Community & Continuing Education

Whatcom Community College offers a wide variety of quality non-credit certificates and classes designed to meet the training needs and lifelong learning interests of local citizens, businesses and organizations. Community & Continuing Education classes are affordably priced and offered at convenient times—days, evenings, weekends and online—throughout the year. There is no application for admission, and enrollment can be completed over the phone or online. Classes are listed in the Discover term schedule and on the Community & Continuing Education pages on the WCC website. Customized training is also available to businesses and agencies to meet specific needs. For more information, visit the Community & Continuing Education pages on the WCC website.

STUDENT SERVICES



Student Services

Advising

The advising program at Whatcom Community College encourages active career and academic advising participation by students. Students are empowered to make decisions and choices that affect their academic success and educational goals, and the college provides multiple advising delivery methods to help students make their pathway choices. Advisors are available on a drop- in basis or by appointment in Orca Central or other advising offices to assist students with the following:

- Understanding degree requirements
- Obtaining career and transfer information
- Preparing for professional-technical programs
- Preparing an educational degree plan
- Determining prerequisite courses for specific college majors
- Adjusting to the learning environment
- Identifying career and educational goals
- Determining eligibility for specialized programs

Planning with advisors is also available prior to and during each enrollment period to help students finalize term class schedules.
Advising and Career Services also offers workshops, information sessions, and fairs throughout the year, including:

- Transfer and university major options
- Job Fairs
- Career and major planning
- Strategies for student success

Career, Job and Transfer Center

Career, job and transfer services include a wide variety of resources to assist students with their career planning, job search, and transfer degree planning. Through drop-in and scheduled appointments, staff will assist students on an individual and group basis with career exploration and provide services and assistance in resume writing, interviewing, networking and other job and transfer readiness skills.
Career, job and transfer center services include:

- Job listings, announcements, and workshops
- Computer-based skill and interest assessments
- Computers for use by students in their job search
- Correspondence and scholarship information
- University-specific degree information and transfer requirements

Counseling

Personal counseling is available to all currently enrolled Whatcom Community College students at no charge. Our professional counselors offer a safe and confidential place for students to explore and receive support in addressing personal challenges that may be interfering with their academic, personal and career goals, and work to help them problem-solve and find solutions. Counseling at WCC is short-term; when needed, our counselors are able to help students access community resources. Many of the concerns for which students have sought counseling are:

- Problem solving and decision making
- Stress management
- Transition to college life
- Academic success strategies
- Grief
- Coping with anxiety and depression
- Crisis management
- Relationship issues
- Referrals to community support services

Access & Disability Services

Whatcom Community College recognizes disability as a valued aspect of diversity and is committed to ensuring access to programs, activities and facilities for students with disabilities. Students with a permanent or temporary disability are encouraged to contact the access and disability services office. To receive services, students must self-disclose to the office of access and disability services and engage in the interactive process to qualify for disability accommodations.

Academic Adjustments

Reasonable accommodations and appropriate academic adjustments are determined on a case- by-case basis and include, but are not limited to: note takers, readers, scribes, accommodated testing, sign language interpreters, speech-to-text transcribing, texts in alternate format, and adaptive equipment. Students must renew accommodations each term. For more information, visit the Access & Disability Services webpage at www.whatcom.edu/access or email ADS@whatcom.edu.

Graduation/Commencement

Application for Graduation

Students need to apply for graduation to receive a degree or certificate from Whatcom Community College. For details on applying for a degree/certificate, see the Graduation Requirements section of this catalog or the WCC website.

Commencement Ceremony

WCC celebrates commencement with ceremonies and activities held once a year at the end of the spring term. All degree and certificate graduates from the preceding summer, fall and winter terms, as well as applicants for the current spring term, are eligible to participate in the commencement ceremony. Students planning to graduate at the end of the summer term immediately following may also participate if they have applied for summer term graduation. For more information about the Commencement ceremony, visit whatcom.edu/commencement.

Veteran Services

We welcome you to Whatcom Community College, where your service is recognized and appreciated. Whatcom Veteran Services provides a supportive environment for veterans, service members, and eligible dependents and provides a comprehensive range of resources and assistance tailored to use federal education benefits. Our dedicated team of knowledgeable staff is here to guide and support military connected students throughout their academic journey. We understand the unique experiences military connected students may face when transitioning from military service to college life, and we are committed to providing a welcoming and inclusive space. Veterans Services offers access to a VA School Certifying Official, a dedicated career and academic advisor, student computer lab, study space, couches, and community with other student veterans. We are in Laidlaw

Center, room 133. You can also reach us at veterans@whatcom.edu and 360.383.3015. We look forward to working with you.

International Student Services

The International Programs staff at Whatcom Community College provides a variety of services to support international students throughout their studies at the college, from the point of applying for admission through graduation.

Services for international students include:

- Admission advising
- Homestay placement and housing coordination
- Airport pick-up
- New student orientation including English language assessment and enrollment advising
- Immigration, academic, and cultural adjustment advising
- Recreational and cultural activities

Learning Center

WCC's **learning center**, located in the Learning Commons Building, is the place to go for academic support. Open to all registered WCC students, the learning center offers skills development and tutoring. Drop-in tutoring is available in writing and math at the writing center and the math center. Tutoring in other subjects is also available by arrangement. Every effort is made to locate tutors for students in a wide variety of subjects, including ESOL.

The **math center** (LRN 340) offers students drop-in and reservation-based assistance with math, chemistry, physics, computer science, and other STEM subjects in a supportive environment. Tutors assist students with math concepts, alternative math texts, math software, and calculators. Students may download programs to their calculators and interface their calculators with the computers for class assignments. Peer tutors, under the direction and supervision of the math center coordinator, staff the math center.

The **writing center** (LRN 130) offers drop-in and reservation-based assistance to students writing for classes and for job and college applications. We can help with all stages of the writing process, including assignment analysis, prewriting, drafting, revising and editing, and more. The writing center offers a supportive learning environment for all students and promotes the exchange and discussion of ideas for students to enhance their own writing growth and abilities. Peer tutors, under the direction and supervision of the writing center coordinator, staff the writing center.

The **tutoring program** (LRN 330) offers opportunities for students to receive free tutoring. Information and forms for requesting tutoring or becoming a tutor are available by request. Qualified students may be hired and paid as tutors. The tutoring program is funded in part by student services and activities fees. English speaking students are also available to help students in ESOL classes understand the content and the cultural context of their class reading assignments. This service is funded in part by the international program. Tutoring programs are under the supervision of the learning center director. Contact the learning center for more information.

Testing Services

The Norma Stevens Testing Center provides a quiet environment for accommodated course exams, faculty make-up exams, GED testing and CASAS placement. Proctored exams for community members are offered on a space available basis. Photo ID is required for all tests.

Accommodated Course Exams

The testing center works closely with Access and Disability Services to ensure that all learners are able to demonstrate their learning. We provide a quiet space for sign language interpreters, adaptive equipment and software, increased test-taking time, or distraction-free settings.

Make-up Exams

Current Whatcom students who have missed a course exam may be able to make up their exam in the Testing Center at their instructor's discretion and request. Students must make advance arrangements with their instructors and arrive with enough time to complete their test(s).
Computer-based tests require reservations.

Community Proctored Exams

Test proctoring services for non-Whatcom course, licensure, or program entrance exams may be available on a limited basis. Contact the Testing Center for availability and fees.

Testing Information

- Photo ID is required for all exams.
- If possible, please bring only photo ID to the Testing Center. All personal belongings, including cell phones, brought to the testing center must be placed on the bookshelf or in a locker prior to testing.
- Certain accommodations require an appointment to ensure we have resources available. Please contact us if you have questions about your accommodations.
- Please be aware that we monitor the testing center via recorded video cameras.
- Proctoring test fees must be paid at the cashier in Laidlaw Center 141 prior to testing. Come to the Testing Center first to get a fee payment form to take to the cashier’s window to make your payment.

Library

The library, located in the Learning Commons, provides a space for students to collaborate on projects, study, perform research and obtain assistance from librarians. The library houses books, journals, videos, music CDs, DVDs, maps, etc. There are silent and group study rooms, along with computers and printers for student use. Photocopiers and miscellaneous supplies (stapler, paper cutter, 3-hole punch, etc.) are also available.

Librarians at the reference desk work with students on a one-to-one basis for help with research. Students can chat via "ask-a-librarian" 24/7 through a link on the library’s website. Librarians teach information literacy and provide customized instruction sessions to classes from disciplines across the curriculum.

The WCC library's website provides access to music and video streams, periodical databases, local library catalogs, tutorials and subject guides. Textbooks and other course materials placed on reserve by faculty members may be checked out at the reserves/circulation desk. WCC students with library cards from the local Bellingham Public or Whatcom County library systems may place holds from either catalog and designate WCC as the delivery location. Students needing resources unavailable on campus may request them through interlibrary loan.

Campus Store

The WCC Campus Store carries instructor designated required and recommended course materials, as well as a large selection of supplies, study aids, gifts, snacks, sporting goods, WCC sportswear and logo merchandise. Items are available for purchase either on campus (Syre Building, Room 101) or online via the campus store

website (bookstore.whatcom.edu). All instructor-submitted course material information and pricing details are posted each term on the store's website. For added savings, the campus store carries a wide selection of discounted used books for purchase or rent and digital course materials, as well as discounted WTA bus passes and Regal Cinema Theater passes. The store accepts cash, personal checks, Whatcom's Orca Card, MasterCard, Visa, Discover and American Express. The campus store is open extended hours at the beginning of each term to assist students with locating their course materials. Textbook buybacks are held the final week of each term.

Student Computer Use

Computers for student use are available in the Learning Commons. Student can access the student help desk on the first floor.

WCC is a Windows/Office-based PC environment providing open access for student use, including Office, internet, web-based email, and specific curriculum-based software (check with your instructor). Visit WCC's website for open hours.

All computer access requires students to use a personalized network account. This is required for computer access in all labs, classrooms, etc. With the network accounts, students will have:

- Personalized username and password
- "My Documents" network storage 5 GB and web storage 25GB
- Wireless access
- Whatcom email address
- Web-based Microsoft Office
- Remote access to campus desktops and applications

The college also supports several computer classrooms used in computer-aided instruction (CAI). Access to these computers will be limited to those students enrolled in CAI classes for the term. Instructors will inform students who are scheduled in a computer-based lab. Visit the college website- Current Students, Computer Access & Tech Help for more detailed information.

Campus Life

Student Life and Development

The Office of Student Life and Development (OSLD) serves as a hub on campus for students to engage with each other outside of the classroom and to make connections with faculty and staff on campus. OSLD staff work with student leaders on campus on leadership development initiatives, to maintain student governance initiatives, student clubs, and events and activities for all WCC students.

The Associated Students of Whatcom Community College (ASWCC) is the representative student body organization for Whatcom Community College. Its membership consists of all currently enrolled WCC students and it's governed by the ASWCC Executive Board and Student Senate.

ASWCC Mission: To serve students by providing diverse opportunities for campus involvement, to build campus community and represent student concerns in college decision- making.

ASWCC Vision: ASWCC aims to achieve a dynamic campus environment in which all students are represented and have an opportunity to participate.

ASWCC Student Government is made up of the ASWCC Executive Board and the ASWCC Senate. These governing bodies aim to enhance every student's experience at Whatcom Community College by providing students a means to be represented in college decision making.

The **ASWCC Executive Board and Senate** represent students in many important ways including promoting civic engagement on campus, advocacy for solving student problems, review of college policies affecting students, facilitation of issue forums, meeting with local legislators, and survey implementation to determine student needs. The ASWCC Student Government significantly contributes to college decision making. With other students around the state, ASWCC representatives take student concerns to Washington state legislature and to state officials. The Executive Board manages the Services & Activities (S&A) budget, sets the annual work plan for ASWCC goals and priorities, and develops a proposed budget for approval by the WCC Board of Trustees. The S&A budget is derived from fees that each student pays as part of tuition. With these funds the ASWCC Student Government supports services such as the Office of Student Life and Development, The Horizon student media, intercollegiate and intramural sports, student clubs, and other extra-curricular and co-curricular programs on campus.

Participating in student governance offers an opportunity for students to gain valuable leadership experience which can be applied to future endeavors such as business, community activities, or government service. Upon completion of the program, student leaders will have tangible evidence of their experience and achievements which will support their academic transfer and/or transition into employment. To become a member, a student must obtain signatures of WCC students on a constituent form, be enrolled in at least 8 credits, and maintain a 2.50 GPA. Applications are typically made available during winter term for the following academic year.

The Student Life Engagement Team is a group of student leaders who work to enhance student life by offering a variety of social and educational programs. With the goal of fostering more inclusive and culturally competent conversations on campus, the team offers programming on diversity, equity, and social justice concerns. Students on the Student Life Engagement Team are members of a high-functioning leadership team and receive training and real-life experience in leadership, budgeting, marketing, program planning, and some graphic design. All students are welcome and encouraged to apply for a position on the team. This unique employment opportunity begins in summer before fall term.

ASWCC Clubs offer an excellent opportunity for Whatcom students to get involved, meet new people who share similar interests and make friends. They also provide the opportunity for students to engage with the campus in new ways that enhance their college experience. Through co-curricular programming, clubs create an excellent way for students to connect and network with faculty and staff and develop life and leadership skills. For more information about the ASWCC Clubs on campus, please visit the college website.

The Orca Food Pantry is a space on campus that provides non-perishable food and hygiene products to combat student food insecurity on campus. The Orca Food pantry is located on the first floor of Syre Student Center and is open to all current WCC students. Donation bins can be found near the entrance of most buildings on campus.

Horizon Student Newspaper

The Horizon is Whatcom Community College's student media where news and information are published online and in print during the school year. Any student interested in news writing, graphic design, photography, digital media, marketing or advertising is welcome to participate. Staff positions may include managing editor, assistant editor, photography and media editor, and graphics editor. These positions receive term stipends. Students who work on The Horizon gain journalism experience and earn college credit. Contact The Horizon at Horizon@whatcom.edu or visit whatcomhorizon.com for more information about student media and applications for staff positions. The Horizon office is located in Cascade Hall room 129.

Orca Athletics and Campus Recreation

Orca Athletics at Whatcom Community College engages in intercollegiate sports competition for both men and women. The athletics program provides opportunities for students to develop teamwork, self-discipline, and leadership skills. The WCC Pavilion provides a home for the Orca men's basketball, women's basketball, and women's volleyball teams. Orca Field, a lighted, state-of-the-art synthetic turf facility, is home for the men's soccer and women's soccer teams.

The college is a member of the Northwest Athletic Conference (NWAC) and is governed by the rules and regulations of this organization, in addition to those of the college. To maintain athletic eligibility at Whatcom Community College, students must pass at least 12 quarter-credit hours each term with a grade point average of 2.00 or better. Academic advisors, counselors, and coaches work together to promote the academic success of athletes.

Athletic grants in aid are available in all sports and are based on talent and need. Persons interested in intercollegiate sports programs, including information about athletic grants, should contact the director for athletics and recreation or the head coach for the sport of their interest.

The Intramural Sports program provides competitive and recreational opportunities in sports, such as basketball, volleyball, and soccer. The Student Recreation Center staff plans and schedules an intramural program meeting student need. Any student may join the ASWCC Health and Wellness committee to become involved in planning Health and Wellness focused activities. All students are welcome to participate.

WCC Pavilion and Student Recreation Center is open to students, faculty, and staff. This has been a very exciting student-led project, cumulating after several years of planning, design, and construction. The facility includes more than 24,000 square feet of new construction and 6,700 square feet of renovated space.

Amenities include:

- Fitness and strength training equipment, including cardio machines (with live TV and video capabilities)
- Free weights
- Indoor running track
- Balcony-level fitness and stretching areas
- Updated gym for basketball and volleyball
- Two studio spaces equipped with specialized flooring (e.g., wood-sprung floor in second level studio)
- Towel service and upgraded locker room facilities

Students, faculty and staff must complete an online waiver in order to access the facility's amenities.

Living on Campus: Residence Life in Cedar Hall

Cedar Hall offers Whatcom students the opportunity to live and connect on campus. With accommodations for 230 residents, Cedar Hall features a range of fully furnished suites, each equipped with kitchenettes to provide comfort and convenience. There is plenty of community space for studying, meeting, and socializing. At the heart of Cedar Hall's mission is a steadfast commitment to fostering a safe and inclusive environment where students can thrive both academically and personally. Through our Residence Life Education Program, we strive to cultivate a dynamic living experience that encourages students to actively engage with their peers and surrounds. We strive to create a community of sustainable practices, inclusive understanding of each individual's unique identity and experiences, and a culture of mutual accountability. More information about residence life is available on the college website at www.whatcom.edu/housing.

WCC Orca Card (Student ID)

The WCC student ID card (Orca Card) is issued to all currently enrolled students. To obtain an Orca Card, you must provide your student ID number and a photo ID (driver's license, passport, or military).
WCC student ID cards can be used to access:

- Computer classrooms and business computer lab
- Items from the WCC library
- Fitness center, Pavilion gym and equipment
- Local bus services through the WTA

The college deposits $15 for printing and copying on your card each term. In addition, you may deposit funds into your account to make purchases for the following:

- On-campus food service locations
- WCC campus store
- Campus vending machines

Students may deposit funds onto their Orca Card through MyWCC or by depositing cash into a point of deposit (POD) located in the Heiner and Syre buildings.

Family and friends of Whatcom Community College students can support a student's education by depositing funds to help pay for books and meals. Go to whatcom.edu/orcacard, the FAQ 'How to deposit funds on my Orca Card?' has the instructions for making a guest deposit. The informatition you will need includes:

- The student's 9-digit ID number (located on the back of the card)
- Their first and last name as it appears on the Orca Card

Note: WCC students must log in at least once on the student portal before guests can make a deposit.
Your first Orca Card is free; replacement cards are $15.00. To learn more, please stop by the Student Help Desk.

Additional Student Support Services

WorkFirst provides parents currently receiving TANF access to training to improve skills and increase opportunities for employment with stronger earning potential. A referral from a DSHS case manager is required to participate. Eligible pathways include pursuit of a professional- technical certificate, prerequisite courses for a professional-technical program, and basic education. Students can take courses in pre-college level English and

math or prepare to take the GED exam. WCC also offers classes for adult high school completion. For more information, please contact the WorkFirst office in the Cascade building, room 167 or call 360.383.3182.

Worker Retraining provides educational access, follow-along support, financial assistance, and re-employment activities to eligible individuals seeking retraining in one of Whatcom Community College's professional-technical programs. Worker retraining serves individuals with unemployment claims within the last 48 months, displaced homemakers, the formerly self- employed, eligible veterans, and vulnerable workers at risk of losing their income without proper training. Worker retraining coordinates services with WorkSource partners and the Employment Security Department. For more information, contact worker retraining in the office of Advising and Career Services.

Passport to College Promise scholarship program helps students from foster care prepare for and succeed in college. Eligible students receive a scholarship that assists with the cost of attending college (tuition, fees, books, housing, transportation, and some personal expenses), specialized support services from College staff, and priority consideration for the state need grant and state work study programs. For more information, or to schedule an appointment with the passport program advisor, visit Orca Central in the Heiner Building or visit the college website.

Basic Food Employment and Training (BFET) Program provides eligible students access to basic food benefits, Working Connections Child Care subsidies and limited funding for educational access. Eligible pathways include professional-technical programs, pre-college level English and math, English Language courses, High School Completion (HS+), or preparation to take the GED exam. For more information, please contact the BFET staff via email at BFET@whatcom.edu or call 360.383.3080 to schedule an appointment.

Student Success Coaching

Student Success Coaches empower and support students on their academic journey!

Coaches primarily serve students:

- on academic warning, probation, or suspension
- who received an academic alert
- who are academically or personally struggling

Personalized Academic Guidance:

- Design an individual academic plan, select courses, and devise study strategies to stay on your academic path and complete your degree or certificate
- Connect to financial and career development resources
- Academic recovery plans, time management skills, self-care and stress-management

TRIO

TRIO Student Support Services at Whatcom Community College is a federally-funded program that helps students get acquainted with college life, succeed in classes, graduate with a degree or certificate, and start a career or transfer to four-year colleges and universities. TRIO pairs each student with a coach who customizes services to meet the student's unique needs.

To qualify for TRIO, students should meet all of the following criteria:

- Be a US Citizen or permanent resident

- Be working on their first college degree
- Have a high school diploma or GED

Additionally, students must meet one of the following:

- Be a first-generation student (neither parent completed a Bachelor's degree)
- Be income eligible
- Have a documented disability or receive services with Access and Disability Services at Whatcom Community College

For more information and online application, please visit the college website.

Upward Bound

Whatcom Community College's Upward Bound program is a federal TRIO program designed to encourage and support students in Whatcom County to complete high school and prepare them to enter and complete a postsecondary education program.

Examples of services and experiences available for eligible students include:
Academic Year Services (September – June)

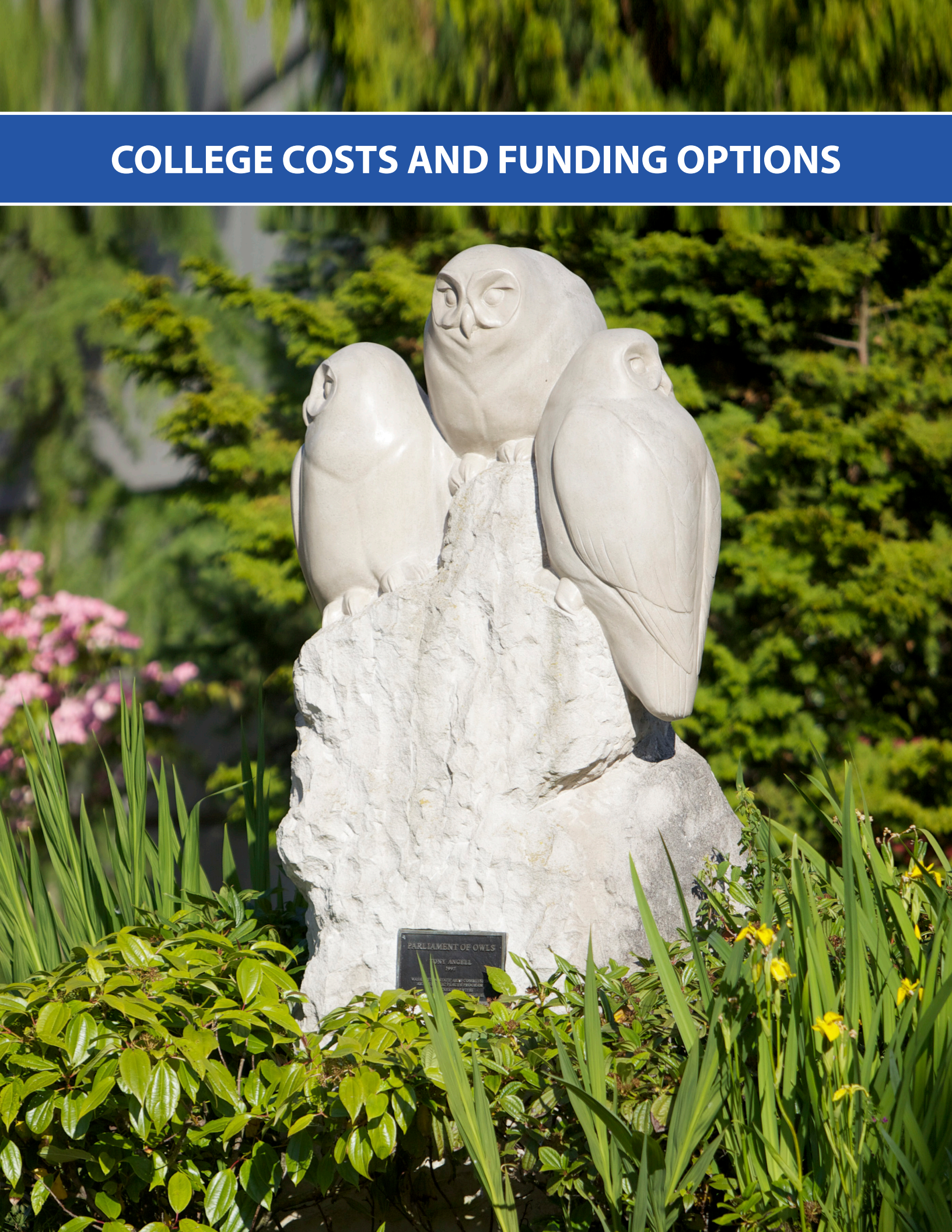
- Upward Bound advisors coach students in the development of a personalized college experience.
- Monthly workshops help students prepare for college, pay for college, and manage their time and money.
- Visits to colleges, museums, cultural centers and events, and participation in student life and development activities.

Summer Programs (June – August)

- Summer programs on Whatcom's campus designed to have students experience a college campus and prepare them academically for the upcoming school year.

For more information, visit the college website.

COLLEGE COSTS AND FUNDING OPTIONS



College Costs

Tuition, Fees and Other Costs

Tuition is the basic amount a student pays to attend classes. It is made up of charges for a variety of purposes: operations, buildings, services and activities. Students also pay fees that go toward items like technology and recreation facilities on campus**.** Some of the fees are set by the college, and others are initiated and approved by Whatcom students. And finally, there are fees for specific circumstances, such as program applications and lab classes.

WCC offers a few courses on a self-support (rather than tuition) basis. The massage therapist program is one example. Its courses are charged at a fixed, non-standard rate set by the college. Please refer to WCC's website for more information.

Students are required to pay their term tuition and fees in full or to enroll in WCC's tuition payment plan before attending classes.

Tuition Rates

Tuition rates are set by the Washington State Legislature. Rates are lower for residents of Washington state because the state subsidizes their tuition.

Certain classes or programs such as adult basic education (ABE), adult high school completion (HSC), English language learner (ELL) courses, and parent education (PARED) have a reduced tuition rate established by the State Board for Community and Technical Colleges. Students in these courses do not pay fees. Please refer to WCC's website for more information.

The college also participates in a number of state-authorized tuition waiver programs (e.g., for senior citizens, state employees, refugees, etc.).

Table of Tuition Rates – Lower Division Courses (299 and below)

Credits	Tuition for Washington State Residents	Non-Resident Tuition
1 to 10	$127.59 per credit	$328.13 per credit
11 to 18	$1,275.90 for first 10 credits, plus $62.96 per credit 11 to 18	$3281.30 for first 10 credits, plus $71.16 per credit 11 to 18
19 or more	$114.47 per additional credit beyond 18	$315.01 per additional credit beyond 18

Table of Tuition Rates – Upper Division Courses (300 and above)

Credits	Tuition for Washington State Residents	Non-Resident Tuition
1 to 10	$247.68 per credit	$695.59 per credit
11 to 18	$2,476.80 for first 10 credits, plus $12.81 per credit 11 to 18	$6,959.00 for first 10 credits, plus $13.78 per credit 11 to 18

19 or more	$234.49 per additional credit beyond 18	$682.47 per additional credit beyond 18

Fees

In addition to tuition, most students will have other fees included on their accounts, which include mandatory college fees (listed below) and course fees if applicable.

Mandatory fees per credit (approved by ASWCC):

- Comprehensive fee to support educational services for students - $2.50 (up to 10 credits, or $25)
- Technology fee to support technology access for students- $3.50 (up to 10 credits, or $35)
- Recreation Center fee for repayment of student approved remodel of Student Recreation Center- $6.32 (up to 15 credits, or $94.80)
- Term bus pass fee for unlimited pre-paid access to WTA bus service- $20.00

Running Start students do not pay tuition, but they do pay some fees.

International students should visit the International Programs section of WCC's website for additional information on costs and payment.

Other Commonly Charged Fees

The college charges fees for a variety of purposes. Some examples are program applications, program materials, and community test proctoring. Fees range from $5 to $250 and may be one-time, per-term, or per-credit fees. Fee amounts are subject to change. Fees may be waived in certain circumstances.

Other Costs

Students must generally provide their own textbooks, calculators and school supplies. Some programs require students to purchase equipment and clothing to use during their training. This is especially the case for healthcare programs. See the descriptions of specific programs on the WCC website.

Students are responsible for their own living expenses while in college.

Residency Requirements for Tuition Purposes

Note: Residency refers to whether a student is eligible for in-state tuition in Washington state. It is not related to whether they live in an on-campus residence hall.

Students are classified as in-state or out-of-state based on their responses to the residency questions on the admissions application. Out-of-state students will pay a substantially higher tuition amount, but there are ways to qualify for a partial tution waiver or, in some cases, qualify for the in-state tuition rate. Students should read this section carefully to see if they might be eligible for a waiver or in-state tuition. In all cases, out-of-state students should consult with the college residency office to learn more about their options. As a Washington state public institution, Whatcom Community College complies with all applicable state laws regarding residency classification (references: RCW 28B.15.011 through RCW 28B.15.015 and WAC 250.18).

In general, a student's residency status is determined to be in-state for tuition and fee purposes under the following conditions:

- The student is a U.S. citizen, or has permanent or temporary resident status, or holds "Refugee-Parolee" or "Conditional Entrant" status with the United States Immigration and Naturalization Service, or is otherwise permanently residing in the United States under color of law, or has a qualifying visa (A, E, G, H1, K or L); and

- The student is financially independent for the current calendar year and the calendar year prior to which application is made (if the student is not financially independent, then residency is based on whether one or both parents have met all residency requirements); and
- The student (or, if financially dependent, at least one of the student's parents) is in Washington primarily for reasons other than educational purposes and has officially established Washington as their true, fixed and permanent home and place of habitation for a period of at least one year prior to the start of the term of enrollment.

Note: Washington state laws require that new residents of Washington change out-of-state driver's licenses and out-of-state motor vehicle registrations within 30 days of arrival in this state (references: RCW 46.16.028 and RCW 46.20.021). New residents should also change out-of-state voter registrations.

Students are eligible to change to an in-state status after they have met Washington State's residency requirements and submitted a residence questionnaire with supporting documentation to the Residency Officer located in Orca Central. Residency questionnaires must be completed and submitted on or before the 30th calendar day of the term for which the change is being made.

Other conditions that might qualify a student for resident status are:

- Members/dependents of the U.S. military or Washington National Guard; or
- Students who spent 75% of their junior/senior years at a Washington state high school, graduated and immediately enrolled in a Washington state college, and whose parents were residents of Washington during that time; or
- Students who are or are not U.S. citizens and earned a high school diploma or equivalent and have maintained 12 months of physical residence in Washington state (reference: SB5194); or
- Members of certain American Indian Tribes (reference RCW 28B.15.0131).

The following residency forms are available on WCC's website:

- Residence questionnaire
- Residence checklist/application for non-resident waiver
- Washington higher education residency affidavit

For more information visit WCC's website or contact the Residency Officer, located in Orca Central.

Non-Resident Tuition Waiver

Students who do not qualify for in-state tuition under any of the conditions listed above may qualify for a waiver of the out-of-state tuition differential amount.

Out-of-state tuition waiver applications must be received in the Records & Registration Office on or before the 30th calendar day of the term for which the waiver applies. Students who are U.S. citizens or have permanent resident immigration status can request a waiver of out-of-state tuition (operating fees only) when one of the following conditions apply:

- Students who have completed three terms of full-time enrollment at Whatcom Community College, occurring during or after fall term 1999; or
- Washington state high school graduates; or

- U.S. military veterans; or
- Students with permanent resident immigration status who came directly to Washington state from their country of origin.

Students eligible for any of the above waivers can visit Orca Central, contact the Records & Registration Office or visit the WCC website for an application.

Students who participate in approved co-curricular programs such as student government leadership or athletics could be eligible for an out-of-state tuition waiver. Students need to contact the Office of Student Life and Development in the Syre Student Center for eligibility requirements and an application regarding leadership roles in student government. Eligible student athletes will receive the out-of-state waiver through the Athletics department.

Other Tuition Waivers

Partial tuition waivers are available for qualified student categories.

Qualified student categories:

- Seniors 60+ years of age (space available only). The waiver only applies to tuition. The student is reponsibible for all fees. Eligibility is determined at time of enrollment on the 1st day of term. Enrolling in a class or waitlist prior to the first day of teh term negates the eligibility of the tuition waiver.
- Washington state employees (space available only). Eligibility must be verified by the student's employer in advance using a state employee tuition waiver form. The student must submit the form to enroll (1st day of term).
- Certain children/spouses of eligible veterans/national guard members who, while engaged in active federal military/naval service, became disabled, deceased, or were declared POW/MIA by the federal government. WCC's Veteran's Office has eligibility information and application forms. Tuition waiver applications must be received prior to the 30th calendar day of the term for which the waiver is applied.

For more information visit WCC's website or contact the Records & Registration Office.

Refunds

A student who stops attending one or more classes without officially withdrawing will forfeit all claim to credits in those classes or refunds of tuition and fees for those classes.

Refunds are made for official withdrawals from classes according to the following schedule for fall, winter, and spring terms:

- For the first five instructional days, 100% of the tuition and refundable fees will be refunded.
- After the fifth day of instruction and through the 20th calendar day of the term, 40% of the tuition and refundable fees will be refunded.
- After the 20th calendar day of the term, no refund will be granted.
- Specific refund dates are on the registration calendar on WCC's website. Summer term dates are prorated and are also on the registration calendar.

Note: Instructional days are counted from the official start date of each term regardless of the course start date or the date the student first attended the class. Weekends and holidays do not count.

The refund for a student whose withdrawal results in reduced credits is based on the difference between the tuition and fees for the higher credit load and the tuition and fees that would have been charged if the reduced load had been their original level of credits.

Special refund situations:

- Refunds for classes that begin and/or end on a schedule other than a normal term schedule will be prorated accordingly.
- Cancellation of classes by the college or failure to admit the student will result in no loss of tuition or fees by the student.
- Students withdrawing from reduced tuition programs are subject to the refund schedule outlined above.
- Hardship Withdrawal Petition: Students could qualify for a full refund if they have experienced a medical emergency that caused them to miss a substantial portion of classes, were called to active duty by the military, or had a death of a family member. Students need to submit a petition with documentation by the last day of the term for which the hardship applies. More information and petitions are available in Orca Central or on the WCC website.

Paying for College

Tuition Payment Plan

Whatcom Community College offers students the option of paying their tuition and fees in multiple payments by enrolling in a tuition payment plan. This plan offers students the opportunity to make a down payment upon enrollment for each term, and then pay the balance of their tuition in several equal payments. Students must sign up online for this option. The plan is administered and serviced by Nelnet Business Solutions and requires a non-refundable fee for each term enrolled. Please refer to WCC's website for more information.

Financial Aid

Financial Aid Eligibility

Students attending Whatcom Community College for the purpose of receiving a unique degree or unique certificate may be eligible for financial assistance through federal, state, or local funding programs. Federal and state regulations limit the amount of time a student can receive financial aid to attend school. Students who plan carefully with the assistance of an academic advisor have the best chance of graduating in a timely fashion and accomplishing their academic goals without exhausting their financial aid eligibility before completing their program. It is especially important for students who are planning to transfer to a four-year program to meet with an advisor to ensure that WCC degree requirements and the four-year program entry requirements are met without exhausting their financial aid eligibility.

For financial aid eligibility purposes, WCC students may take a maximum combined total of two unique degrees or certificates. See the satisfactory academic progress policy, receiving aid for more than one program of study, on the financial aid section of the WCC website for detailed information.

Financial aid students are required to enroll only in courses that meet remaining requirements for their selected program of study. For example, a physical therapist assistant student would not be eligible for financial aid funding to take a physical education class, since a PE class does not apply to the PTA degree. Students who enroll in courses that do not apply to degree requirements may lose financial aid eligibility.

Changing Your Program of Study

For financial aid eligibility purposes, students are allowed to make program changes. All previously attempted credits that are degree or elective requirements will count toward the maximum credits allowed for the new program. Students who have made multiple program changes may be required to meet with a WCC academic advisor to secure a Satisfactory Academic Progress (SAP) Academic Plan Petition including only classes needed to complete the degree or certificate. Students who do not follow the approved SAP Academic Plan Petition may lose their financial aid eligibility. Students within 15 credits of completing their program of study will not normally be permitted to change programs of study and be eligible to receive financial aid funding.

Application Process

Once the financial aid office receives the student's FAFSA or WASFA, students can access the information via the ctcLink Financial Aid tile.

The Whatcom Community College financial aid office communicates to students and prospective students who have completed their FAFSA or WASFA via the email address that the student provided.

Apply early! The WCC financial aid process takes approximately 8-10 weeks. Awarding for a new school year (fall term through summer term) starts approximately June 10th.

Step 1 - Student completes FAFSA at https://studentaid.gov/h/apply-for-aid/fafsa or WASFA at https://wsac.wa.gov/wasfa

- WCC school code: 010364
- Need help completing the FAFSA/WASFA? Contact WCC staff at Orca Central or finaid@whatcom.edu
- It takes WCC approximately one week to receive the student's FAFSA information.

Step 2 - WCC receives student's FAFSA or WASFA information

- Student is sent an email verifying application received and sending students to the ctcLink Financial Aid tile to see the list of any To Do items.
- Processing will not continue until all To Do items are met.

Step 3 - Apply for WCC admission, visit whatcom.edu/ctcLink-resources to activate your ctcLink account.

- Student must apply for admission to WCC and enroll in an aid-eligible program.

Step 4 - Review

- After all To Do items and forms are completed and returned, WCC is ready to review a student's application.
- Review process may take 6-8 weeks.

Step 5 - Initial Awarding Process

- The initial awarding process takes approximately 2-3 weeks.
- Student awarded maximum amounts for grants.
- Once awarded, student receives an aid offer notifying student of their awards and how to view their award information in ctcLink.

- If student is not eligible for grants, they will receive an email notification regarding other options that may be available.

Step 6 - Student Loan Application Process

- Students who are not eligible for grants or scholarships or whose awards do not meet their education funding needs may request a student loan after the student has been notified of their grant eligibility.
- To request a student loan, go to the federal student loan section of the financial aid section of the WCC website.

Step 7 - Awards Released

- Financial aid awards are applied directly to tuition and fees due; remaining credit balances are provided via WCC's third party disbursement servicer.
- Student refund availability and amounts may be viewed by using the ctcLink Financial Account tile.

If the student is expecting a determination of eligibility and financial aid awards by the time the student will be starting classes, the student must complete the financial aid process as early as possible, as applications are reviewed, and aid is awarded, in the order in which the student has completed all their financial aid requirements.

Application Deadlines

WCC has established a "priority deadline" of March 15 for completing the financial aid process for the next award year. Students may apply for aid throughout the year; however, if the student is expecting a determination of eligibility and financial aid awards by the time the student will be starting classes, the student must complete the financial aid process by the "priority processing deadline" that applies to the term for which they will be starting to attend. Students are always encouraged to complete their FAFSA and the WCC financial aid process as early as possible, as applications are reviewed, and aid is awarded in the order in which the student has completed all of their financial aid requirements.

Students who have not been awarded aid prior to published tuition due dates for the term that they will be starting should plan to pay their own tuition by the published tuition due dates to prevent being dropped for non-payment from the classes for which they registered.

Satisfactory Academic Progress Requirements for Financial Aid Recipients and Return to Title IV and State Aid Repayment Policy

See the financial aid section of the WCC website for detailed Satisfactory Academic Progress Policies.

Federal and state regulations and funding are subject to change.

Scholarships

A scholarship web tool has been developed by the state of Washington and supporting private industry to assist higher education students in Washington to locate and apply for scholarships. This web tool can be accessed at theWashBoard.org.

Whatcom Community College, the Whatcom Community College Foundation and numerous friends of the college have cooperated to develop and offer scholarships for WCC students. Awards typically range from $500 to full tuition. Scholarships are available to students who demonstrate outstanding academic achievement, financial need, athletic skills, personal growth, or contributions to fellow students or the college. More information is available on the WCC website, in Orca Central or by contacting the Foundation.

Funding and Support Programs

Other sources of funding may be available, depending on the student's circumstances and their academic program. Please visit WCC's website for details.

Veteran Services

Whatcom Community College offers selected degree and certificate programs approved by the Washington Student Achievement Council (WSAC) and Work Force Training and Education Coordinating Board (WTECB) for enrollment of students eligible to receive education benefits under Title 38 and Title 10, U.S. Code. Veterans, Service Members, Reservists, and eligible dependents are encouraged to contact Whatcom's Veteran Services Office (veterans@whatcom.edu 360.383.3015) to activate education benefits, provide eligibility information, receive information about funding opportunities and degree planning, and complete required paperwork.

Students using federal education benefits are required to declare an approved degree or certificate program and authorized to enroll in, only, the courses necessary to satisfy declared degree or certificate requirements. All prior credits, earned from military service and prior institutions, must be evaluated and applied to the declared degree or certificate. Whatcom Community College will provide students using federal education benefits with a degree plan or program of study that will outline the requirements to graduate and a timeline for completion of requirements. Veteran Services can provide military connected students with referrals to career and academic advising, academic counseling, financial aid and financial information, and disability services counseling.

It is the responsibility of the student to enroll in courses that satisfy declared degree or certificate requirements and stay in contact with the Veteran Services Office to ensure continuation of benefits on a quarterly basis. This includes changes to the student's enrollment status, such as adding or dropping classes, changes to tuition and fees, changes to residency or in-state tuition, and contact information. Veteran benefit recipients are required to maintain satisfactory academic progress according to the College's policies. Federal education benefit recipients are required to request the use of VA education and Department of Defense education benefits each quarter and must approve of their course enrollment before certificate to VA. Whatcom's Veteran Services Office is not authorized to enroll students in classes or certify a student for VA education benefits without their consent and quarterly request for use of federal education benefits. Failure to comply with Veterans Administration and Department of Defense regulations and College policies may result in termination or delay of benefits.

Whatcom Community College and the Veteran Services Office will inform students using federal education benefits about the availability of federal student aid, not administered by VA, before packaging or arranging student loans or alternative funding.

Gold Star WA State Tuition Waiver

Whatcom Community College offers waivers to a child (biological, step, or foster), spouse, domestic partner, surviving spouse, or surviving domestic partner of an eligible veteran, service member, or national guard member who became totally and permanently disabled as a result of serving in active federal military or naval service, or who is determined by the federal government to be a prisoner of war or missing in action; and Whatcom Community College offers waivers to a child (biological, step or foster), spouse, the surviving spouse, surviving domestic partner of an eligible veteran or national guard member who lost his or her life as a result of serving in active federal military or naval service. More information about this waiver and its application at Whatcom Community College can be found by contacting Veteran Services veterans@whatcom.edu 360.383.3015.

Military Connected Students In-State Tuition

There are numerous ways for service members, veterans, and eligible dependents to access in- state tuition while attending Whatcom Community College. Military connected in-state tuition eligibility and application can be found on Whatcom Community College's Veteran Services homepage https://www.whatcom.edu/current-students/what-type-of-student-are-you/veteran-services.

Completed Military Connected in-state tuition applications and required documentation can be provided to Whatcom Community College's Residency Officer Records@whatcom.edu 360.383.3030. For assistance completing the military connected in-state tuition application, or if you have questions about the required documentation, please contact Whatcom Community College's Veteran Services Office veterans@whatcom.edu 360.383.3015. Veteran Services is not involved in the military connected in-state tuition decision process. In-state tuition decisions are the sole responsibility of the Entry & Enrollment Services office.

Military Connected Students Called to Service

An active duty Washington National Guard or any other military reserve or guard component service member who is a student at Whatcom Community College and who is ordered for a period of thirty days or less to training, active or inactive duty, state or federal service, and as a result of that service or follow-up medical treatment for injury incurred during that service misses any class, test, examination, laboratory, or class day on which a written or oral assignment is due, or other event upon which a course grade or evaluation is based, is entitled to make up the class, test, examination, laboratory, presentation, or event without prejudice to the final course grade or evaluation. The makeup must be scheduled after the service member's return from service and after a reasonable time for the student to prepare for the test, examination, laboratory, presentation, or event. Class sessions a student misses due to performance of state or federal active or inactive military service must be counted as excused absences and may not be used in any way to adversely impact the student's grade or standing in class. If the faculty member teaching the course determines that the student has completed sufficient work and has demonstrated sufficient progress toward meeting course requirements to justify the grade without making up the class, test, examination, presentation, or other event, the grade may be awarded without the makeup, but the missed class, test, examination, laboratory, class day, presentation, or other event must not be used in any way to adversely impact the student's grade or standing in the class.

An active duty, Washington National Guard or any other military reserve or guard component service member who is a student at Whatcom Community College and who is ordered for a period exceeding thirty days to either active state service, or to federal active military service has the right to withdraw from one or more courses and have their paid tuition and fees credited to their account, be given a grade of incomplete and allowed to complete the course upon release from active duty, or continue and complete the course for full credit. Class sessions the student misses due to performance of state or federal active military service must be counted as excused absences and must not be used in any way to adversely impact the student's grade or standing in the class. Any student who selects this option is not, however, automatically excused from completing assignments due during the period the student is performing state or federal active military service. A letter grade or a grade of pass must only be awarded if, in the opinion of the faculty member teaching the course, the student has completed sufficient work and has demonstrated sufficient progress toward meeting course requirements to justify the grade. If the student chooses to withdraw, the student has the right to be readmitted and enrolled as a student at the institution, without penalty or redetermination of admission eligibility, following release from the state or federal active military service. Service members are expected to provide official orders detailing the

required training, duty, and/or activity with the expected date range of service. Service members will be admitted back to the college and their academic program as soon as they have returned from their required duty, training, and/or service. Students may need to reactivate their student account if they have not been enrolled for less than one year or reapply for admission to the College if they have not been enrolled at Whatcom Community College for more than one year.

Tuition Assistance

When looking to take advantage of military tuition assistance (TA) the first step is to speak with your education service office (ESO) from your branch of service. Approval from your command is required to use TA. Military TA is an education benefit paid to eligible members of the Army, Marine Corps, Navy, Air Force, and Coast Guard. Each service has its own criteria for eligibility, obligated service, application processes, access requirements, and restrictions. Each military branch has its own TA application form, procedures, and online portal. To find out how to get started, visit your local installation education center, visit your online virtual education center, visit your service branch online TA portal, or speak with your chain of command. Whatcom's Veteran Services Office will provide students with a TA approved degree plan, academic and financial aid advising, and referrals to campus and community support resources.

Covered Individuals

A "covered individual" is any individual who is entitled to educational assistance under Chapter 31 Veteran Readiness and Employment, Chapter 33 Post 9/11 VA education benefit, or Chapter 35 Dependents Education Assistance/DEA education benefit.

In accordance with Title 38 USC 3679, Whatcom Community College adopts the following additional provisions for any students using Chapter 33 Post 9/11 or Chapter 31 Veteran Readiness, or Chapter 35 DEA, while payment to Whatcom Community College is pending from VA. Whatcom Community College will not:

- Prevent the student's enrollment.
- Assess a late penalty fee.
- Require the student to secure alternative or additional funding.
- Deny the student's 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 will be required to:

- Produce a certificate of eligibility for entitlement to educational assistance under chapter 31, chapter 33, or chapter 35 by the first day of class (a "certificate of eligibility" can also include a "Statement of Benefits" obtained from the Department of Veteran Affairs (VA) website-eBenefits, a VAF 28-1905 form from chapter 31 authorization purposes, or Tungsten Invoicing System Authorization for VA Veteran Readiness and Employment).
- Provide additional information needed to properly certify the enrollment as described in other institutional policies and procedures.

Whatcom Community College will refrain from providing any commission, bonus, or other incentive payment based directly or indirectly on securing enrollments or federal financial aid (including Tuition Assistance funds) to any persons or entities in any student recruiting, admission activities, or making decision regarding the award of student financial assistance.

Whatcom Community College will refrain from high-pressure recruitment tactics such as making multiple unsolicited contacts (3 or more), including contacts by phone, email, or in-person, and engaging in same-day recruitment and enrollment for the purpose of securing Service member enrollments.

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

The information contained in this catalog is true and correct for content and policy and I am aware that Whatcom Community College must comply with applicable statutes and regulations and that failure to comply may lead to suspension of withdrawal of programs by the Washington Student Achievement Council's State Approving Agency (WSAC/SAA) and/or Department of Veteran Affairs (DVA).

Catalog is certified as true and correct for content and policy.

DEGREE AND CERTIFICATE INFORMATION



Areas of Study and Pathways

Whatcom's degrees and certificates are grouped into general interest areas called *areas of study*. Students can choose an area that matches their interests and opt for any degree or certificate in that area. The specific transfer goal or job-focused degree or certificate they select is their *pathway*.

Some pathways lead directly into the workforce. Others prepare students for further education.

Many students who plan to transfer to a university will earn an Associate in Arts & Sciences-DTA (AAS-DTA) degree or an Associate in Science-Transfer (AS-T) degree. The AAS-DTA and AS-T degrees are the basis for pathways throughout the areas of study, because a good way to prepare for a future major is to choose major-related courses to meet the requirements of one of these two degrees. WCC's instructors have mapped out pathways with recommended courses for students aiming for many different transfer majors. If you earn one of these transfer degrees, your transcript will show the name of the degree, though not your specific pathway.

For a few majors there are specially-designed transfer degrees, called major-related programs, where the major preparation is built right into the degree requirements.

See the Types of Degrees and Certificates Offered section of this catalog for more information.

Arts & Communication Area of Study

Let your vision be seen or heard! Participate in theater production, create visual art, interpret film, or communicate through written or spoken words. Collaborative and individual course activities will develop your skills and help you tell your story.

Pathways in Arts & Communication:

Communication Studies
Dance
Drama
English Composition & Literature
Film
Humanities/Interdisciplinary Studies
Journalism
Music
Visual Art
Visual Communications
World Languages

Business Area of Study

You have an eye for opportunity and demand - learn how to organize, plan, manage, and play a key role in the fast-paced and growing world of business. Your business career starts at Whatcom Community College!

Pathways in Business:

Accounting
Applied Business Management
Business
Economics
Finance
Hospitality & Tourism
Office Administration

Culture & Society Area of Study

You value diversity, culture, and human connection. You want to learn how people think, behave and interact as individuals and as members of different communities and society. Your studies in Culture & Society will help you develop critical thinking skills that will serve you well throughout your life and in any chosen career path.

Pathways in Culture & Society:

Anthropology/Archaeology
Communication Studies
Economics
Environmental Studies
Geography
History
Humanities/Interdisciplinary Studies
Philosophy
Political Science
Psychology
Sociology
World Languages

Education & Public Services Area of Study

You're passionate about improving others' lives. Whether you're educating young minds, serving through law or law enforcement, or helping to make lives better through counseling, you can begin making a difference in the Education & Public Services area of study at Whatcom Community College.

Pathways in Education & Public Services:

Criminal Justice
Early Childhood Education
Education/Teaching
Paralegal Studies
Psychology

Healthcare & Social Services Area of Study

You understand the importance of health and peace of mind. Whether you're tending to a patient, studying diseases, counseling those experiencing substance abuse disorders, providing dietary advice, or documenting medical information, Healthcare & Social Services will set you on a course to making a difference every day.

Pathways in Healthcare & Social Services:

Massage
Medical Assisting
Nursing
Nursing Assistant
Physical Education
Physical Therapist Assistant
Pre-Healthcare Programs (Allied Health)
Pre-Medical Programs
Social Work
Substance Use Disorder Professional

Information Technology & Computer Science Area of Study

Prepare to thrive on the cutting edge of innovation in the Information Technology & Computer Science area of study! Develop skills in network administration, technical troubleshooting, software development, research and design, cybersecurity tactics, investigative techniques or unmanned aircraft systems.

Pathways in Information Technology & Computer Science:

Computer Engineering
Computer Information Systems
Computer Science
Criminal Justice-Computer Forensics
Cybersecurity
IT Networking-Cybersecurity
Software Development
Software Engineering

Science, Engineering & Math Area of Study

Prepare for a career working with potentially groundbreaking problems and projects! Test, question, discover, problem-solve, and work collaboratively with a group of peers who share your curiosity. Get a taste of research. Invent something new or improve and refine an idea that already exists. In the Science, Engineering & Math area of study there's lots of opportunity for hands-on learning.

Pathways in Science, Engineering & Math:

Anthropology/Archaeology
Biology
Chemistry
Computer Science
Engineering
Environmental Science
Geology
Math
Ocean Science
Physics
Pre-Medical Programs

Transitional Learning Area of Study

If you want to learn English, earn your adult high school diploma online, prepare for GED tests or simply strengthen your reading, writing and math skills, WCC's Transitional Learning area of study is for you!

Pathways in Transitional Learning:

English Language Learner
High School Completion
Pre-College Adult Education

Exploration Area of Study

Not quite sure of your direction? Find a temporary home in the Exploration area of study. Focus on self-knowledge and career exploration activities alongside your introductory courses so you'll be ready to choose a pathway by the time you've completed 30 credits.

Types of Degrees and Certificates Offered at WCC

Bachelor’s degrees

Bachelor of Applied Science (BAS) – Applied Business Management

The applied business management BAS degree prepares students with the comprehensive skills and knowledge to oversee and manage business systems and operations. Students focus on areas of management including marketing, finance, strategic planning, human resource management, project management, leadership, and professional and organizational communications. With an emphasis on practical skills and knowledge, the BAS degree incorporates opportunities for students to directly apply concepts in business settings.

Bachelor of Applied Science (BAS) – IT Networking - Cybersecurity

The IT networking - cybersecurity BAS degree prepares students for common networking administration challenges as well as those that occur in key industry sectors that require specific focused expertise. Graduates will be prepared to enter the workforce as network administrators and in related job categories, such as computer and information systems managers or computer network architects.

Bachelor of Applied Science (BAS) – Social Work

The social work BAS degree prepares students with the competencies and knowledge for generalist practice in social work. Students focus on engagement, assessment, intervention, and evaluation in practice. With an emphasis on an ecological systems model, social justice, and evidence-based practice, graduates will be prepared to promote the well-being of individuals, families, groups, organizations, and communities in a social work setting and to pursue further education in social work.

Associate's Transfer Degrees

Associate in Arts and Sciences - Direct Transfer Agreement (AAS-DTA) Degree

The associate in arts and sciences-direct transfer agreement (AAS-DTA) degree is designed for students who plan to transfer to a four-year college or university with junior status or think they may want to transfer in the future.

The AAS-DTA degree is accepted by Washington state four-year institutions as fulfillment of most or all of their general education requirements. Students should discuss transfer plans with an advisor to plan appropriately for variations in requirements at different universities.

The AAS-DTA degree is adaptable and encourages students to select courses that prepare them for their future major. Whatcom's faculty has developed recommended quarter-by-quarter course sequences ("pathway maps") for many in-demand majors. Visit the Areas of Study section of Whatcom's website for details.

Whatcom Community College’s AAS-DTA degree ensures that students receive the liberal arts and sciences education that employers, universities, and accrediting associations believe is necessary for success in our rapidly changing world. Earning an AAS-DTA at Whatcom means that a student has successfully completed courses in writing and oral communications, a course in symbolic or quantitative reasoning, courses across three distribution areas (humanities, social sciences, and sciences), and courses that foster a greater understanding and awareness of global, diversity, and sustainability issues. The content, goals, and learning outcomes of the transfer degree reflect Whatcom’s core learning abilities and educational values.

Major Related Programs (DTA/MRP)

This group of major related programs follows the requirements of the AAS-DTA and includes specifically defined coursework to prepare students for upper-division classes in their major area after transferring to a four-year college or university. WCC currently offers the following DTA/MRP degrees:

- Associate in Business DTA/MRP
- Associate in Music DTA/MRP
- Associate in Nursing DTA/MRP (this degree also includes two years of professional-technical coursework in nursing.)

Visit the Areas of Study section of Whatcom's website for recommended quarter-by-quarter course sequences ("pathway maps") for each of these degrees.

Associate in Science - Transfer (AS-T) Degrees

The associate in science-transfer (AS-T) degree is based on an agreement between Whatcom Community College and many colleges/universities in Washington State. This degree is an efficient, pre-designed educational path for students who wish to complete a baccalaureate program in science and some engineering fields. The AS-T degree will not substitute for all general university requirements but will allow WCC students to enter a participating four-year college/university with 90 credits, junior standing, and the majority of major prerequisites completed. Students pursuing this degree must complete any remaining general university requirements along with remaining major program and graduation requirements during their junior and senior years of academic study.

The AS-T majors designed to transfer within this option include:

- Atmospheric Sciences
- Biology
- Chemistry
- Earth Sciences
- Environmental Science
- General Engineering
- Geology
- Physics

Visit the Areas of Study section of Whatcom's website for recommended quarter-by-quarter course sequences ("pathway maps") for many in-demand AS-T majors.

Associate in Science -Transfer / Major Related Programs (AS-T/MRP)

These engineering major related programs follow the requirements of the AS-T and include extensive preparation to prepare students for completion of the bachelor’s degree in engineering within two years of transferring. WCC currently offers the following AS-T/MRP degrees:

- Bioengineering and Chemical Engineering
- Civil and Mechanical Engineering
- Computer and Electrical Engineering
- Materials Science and Manufacturing Engineering

These degrees prepare students for a wide variety of engineering majors. Whatcom's engineering faculty has developed recommended quarter-by-quarter course sequences ("pathway maps") for numerous engineering specialties. Visit the Areas of Study section of Whatcom's website for details.

Associate in Applied Science - Transfer (AAS-T) Degree

The associate in applied science-transfer (AAS-T) degree requires completion of a minimum of 90 college-level credits with emphasis in certain professional-technical fields and including a minimum of 20 general education credits. The AAS-T degree is designed to prepare a student for direct entry into the workforce or to transfer to a participating four-year institution.

WCC currently offers associate in applied science – transfer degrees in the following fields:

- Cybersecurity
- Early Childhood Education

Visit the Areas of Study section of Whatcom's website for recommended quarter-by-quarter course sequences ("pathway maps") for each of these degrees.

Liberal Studies Degree

Associate in Liberal Studies (ALS) Degree

The associate in liberal studies degree is designed primarily for students who do not plan to pursue a specific technical or academic emphasis or transfer to a four-year institution but who wish to receive recognition for completion of 90 credits of college-level learning.

The ALS degree has a core of arts and sciences courses and many electives.

Professional-Technical (Job-Focused) Degrees and Certificates

Associate's Degrees

WCC professional-technical (job-focused) degrees prepare students for immediate employment in the field of study. Some professional-technical degrees also transfer to four-year colleges and universities.

WCC offers four types of professional-technical degrees: associate of applied science (AAS); associate of technical arts (ATA); associate in applied science - transfer (AAS-T); and the associate in nursing degree, a professional-technical transfer degree. All degrees require the completion of at least 90 credits with specific coursework in the field of study. WCC offers professional-technical associate's degrees in the following areas:

- Accounting (AAS)
- Business Administration (AAS)
- Computer Information Systems (AAS)
- Criminal Justice (AAS)
- Criminal Justice - Computer Forensics (AAS)
- Cybersecurity (AAS-T)
- Early Childhood Education (AAS and AAS-T)
- Finance (AAS)

- Hospitality and Tourism Business Management (AAS)
- Medical Assisting (AAS)
- Nursing (DTA/MRP)
- Paralegal Studies (AAS)
- Physical Therapist Assistant (AAS)
- Software Development (AAS)
- Substance Use Disorder Professional (AAS)
- Visual Communications (ATA)

Visit the Areas of Study section of Whatcom's website for recommended quarter-by-quarter course sequences ("pathway maps") for each of these degrees.

Certificates

A certificate is an organized, narrowly focused program that provides training in a specific occupational field. Certificate programs typically require completion of a minimum of 45 credits containing coursework in that field with related instruction in general eduacation courses. Certificate programs of 45 credits or greater currently offered by the college are:

- Accounting
- CIS Network Administration
- CIS Technical Support
- Criminal Justice
- Early Childhood Education (State Certificate)
- Hospitality and Tourism Business Management
- Massage Therapist
- Medical Assisting
- Office Administration
- Paralegal Studies
- Retail Business Management
- Substance Use Disorder Professional

Certificates of Proficiency

Certificates of proficiency are short certificates of specialization awarded to students after completing a group of courses specific to their field of study. See the Degree and Certificate Requirements section for course requirements.

Visit the Areas of Study section of Whatcom's website for recommended quarter-by-quarter course sequences ("pathway maps") for each of these certificates and certificates of proficiency.

High School Diploma / GED

High School Diploma

Whatcom Community College awards high school diplomas to eligible students. To be eligible, students must meet one of the following criteria:

- Be 18 years or older and successfully complete all of the requirements for the adult high school completion program (High School +) through the office of Transitional Learning. These students do not need to submit a graduation application to receive their high school diploma.
- Be 16 years or older and satisfactorily complete any associate's degree. These students may request a state high school diploma from the college using a WCC graduation application.
- Be enrolled through Running Start and satisfactorily complete an associate's degree. These students may request a state high school diploma using a WCC graduation application.

GED Certificate

The GED is a series of four tests endorsed by Washington State as an alternative credential for adults without a high school diploma. Students must demonstrate high school level competencies in math, science, social studies and reasoning through language arts to earn a GED credential. A GED can lead to opportunities for better jobs and to potential access to financial aid resources for more advanced education and training.

Arrangements for taking the GED tests are made online at GED.com. Students may request accommodations for taking the GED tests at GED.com. There is a charge for taking each test. Students may take the tests at WCC's testing center in the Learning Commons.

Students are welcome to enroll in Adult Basic Education (ABE) courses to prepare for GED tests. Visit the Transitional Learning pages of WCC’s website for more information.

Degree and Certificate Requirements

Bachelor of Applied Science Degrees

WCC offers three bachelor of applied science (BAS) degrees. BAS degrees equip students with practical skills and knowledge they can apply immediately in the workplace. WCC's applied bachelor's degrees are "2 + 2" programs, which means that a student must have completed at least a two-year associate's degree in a related field to enter the subsequent two-year bachelor's program. You will find more information, including detailed entry requirements and application information, program information, and a list of courses, under Professional-Technical Programs later in the catalog.

- The BAS in Applied Business Management is in the Business Program section. Also see whatcom.edu/BusinessBAS.
- The BAS in IT Networking-Cybersecurity is in the Computer Information Systems Program section. Also see whatcom.edu/CyberBAS.
- The BAS in Social Work is in the Social Work Program section. Also see whatcom.edu/BASSW.

Associate's Direct Transfer (DTA) Degrees and Major-Related Programs (DTA/MRP)

Associate in Arts and Sciences-DTA Degree

The associate in arts and sciences - direct transfer agreement (AAS-DTA) is designed primarily for students who plan to transfer to a four-year college or university with junior status. The AAS-DTA degree requires completion of 90 credits within specified distribution areas and is accepted as fulfillment of the general university requirements by Washington state four-year institutions. Students should discuss transfer plans with an advisor to plan appropriately for variations in requirements at different universities and for different majors.

Core requirements		**Units:**
Note: Core courses cannot be used to meet distribution, w, d, g or s requirements.		
Core requirements Communication Skills		**Units:** 10.0-13.0
ENGL& 101	English composition I	5.0
English Composition (course designated CC)		
Communication Studies (course designated OC)		
3 courses - one from EACH category		
Minimum 6 credits of English Composition		
Core requirements Quantitative/Symbolic Reasoning		**Units:** 5.0
Any course designated QSR, specifically:		
		5.0
MATH& 107	Math in society	5.0
OR		
MATH& 141	Precalculus I	5.0
OR		

higher level MATH course		5.0
OR		
PHIL& 117	Traditional logic	5.0

General education requirements / related instruction **Units:** 15.0

Humanities - courses designated H/Hp (see below)	15.0
2 disciplines (i.e. ART, MUSC, PHIL) with no more than 10 credits from one discipline	
HUM and IDS courses of 6 credits count as two disciplines and 10 credit maximum does not apply	
No more than 5 credits performance (p)	
All foreign languages are considered one discipline. No more than 5 credits of 100-level foreign language.	
No more than 5 credits in independent study (courses numbered 189, 199, 289, 299 - designated H/Hp)	

General education requirements / related instruction **Units:** 15.0

Social/Behavioral Science - courses designated SS (see below)	15.0
2 disciplines (i.e. ANTH, PSYC, SOC) with no more than 10 credits from one discipline	
No more than 5 credits in independent study (courses numbered 189, 199, 289, 299 - designated SS)	

General education requirements / related instruction **Units:** 15.0

Math/Science - courses designated MS/MSl (see below)	15.0
2 disciplines (i.e. BIOL, CHEM, GEOL) with no more than 10 credits from one discipline	
At least one laboratory course (designated l)	
10 credits in physical or biological sciences	
No more than 5 credits in independent study (courses numbered 189, 199, 289, 299 - designated MS/MSl)	

Electives / cooperative work experience **Units:** 27.0-30.0

Listed Electives Courses designated H/Hp, SS, MS/MSl, CC, OC, Q/SR, LE	12.0-30.0
Unlisted Electives Any courses numbered 100 and above designated UE	0.0-15.0
Listed/Unlisted Electives:	
Minimum of 12 credits must be from AAS Distribution (designated H/Hp,SS,MS/MSl) and/or Listed Electives (designated LE)	
Excess credits from courses used in Core (designated OC,CC,Q/SR) or Distribution (H/Hp,SS,MS/MSl) can count in listed elective category	
No more than 15 credits of independent study (courses numbered 189, 199, 289, 299)	
No more than 15 credits of unlisted electives numbered 100 or above (designated UE)	
Maximum of 3 PE activity credits can be applied as Electives	

Specialty requirements Writing Intensive (courses designated "w") **Units:** 0.0

The writing intensive requirement must come from Distribution, Listed and Unlisted Electives, 3 or more credits, numbered 100 and above.	
Writing Intensive (courses designated "w") These courses are designed to provide students the opportunity to extensively explore topics through writing. In order to meet the requirements of a writing intensive course, the course must meet the following criteria:	0.0

(1) A minimum of 2000 words (approximately 8 typed, double-spaced pages) of graded writing.

(2) The 2000 words should be distributed among at least three different papers. Writing must be evaluated on both form and content by the instructor.

(3) Writing activities (both graded and ungraded) should count for 50% of the course grade. Writing skills should count for a significant portion of the grade on writing activities.

(4) Writing could be done in and/or out of class.

Specialty requirements Diversity Studies (courses designated "d") **Units:** 0.0

The diversity requirement must come from Distribution, Listed and Unlisted Electives, 3 or more credits, numbered 100 and above.

These courses are designed to give students the ability to describe or analyze issues in socioeconomic status, ethnicity, gender, race, religion and/or other differences in the United States. At least one credit of course content or time must be devoted to these topics. 0.0

Specialty requirements Global Studies (courses designated "g") **Units:** 0.0

The global studies requirements must come from Distribution, Listed and Unlisted Electives, 3 or more credits, numbered 100 and above.

These courses are designed to give students the ability to describe or analyze (1) the global interrelationships among societies, cultures, or peoples or (2) a single society, culture, or people other than those from within the United States. At least one credit of the course content or time must be devoted to these topics. 0.0

Specialty requirements Sustainability (courses designated "s") **Units:** 0.0

The sustainability requirement must come from Distribution, Listed and Unlisted Electives, 3 or more credits, numbered 100 and above.

These courses are designed to give students the ability to examine the interrelationships between human activity and the natural environment and how humans deal with these issues. In addition, the viability of social and economic systems may be studied. At least one credit of course content or time must be devoted to these topics. 0.0

Specialty requirements **Units:**

Note: a course with multiple designations can satisfy more than one requirement in this area. For example, ENGL& 111 (Hwg) will meet both writing intensive and global requirements.

Specialty requirements Restrictions **Units:**

A minimum of 15 degree (college-level) credits must be earned at Whatcom Community College.

A maximum of 25 credits of courses graded S (Satisfactory) may be applied to this degree.

A maximum of 15 credits of approved CLEP subject exams, military, life/work experience or other non-traditional credits may be applied to this degree but only in the Unlisted Elective area. (Note: Students should contact the transfer institution regarding transferability of these credits.)

A cumulative grade point average of 2.00 in all college-level work applied to the degree.

Total: 90.0

Associate in Business-DTA/MRP Degree

The associate in business (DTA/MRP) degree is a statewide articulated 90 credit transfer degree agreement for business majors between the community colleges and most four-year institutions. Students will enter the four-year institution's business department at the junior level. However admission is not guaranteed. To earn this degree, students must complete a minimum of 90 credits numbered 100 or above as specified in the degree and earn a minimum of 2.0 grade point average.

Core requirements **Units:** 65.0

ENGL& 101	English composition I	5.0
		5.0
ENGL 201	Advanced composition	5.0
OR		
ENGL& 235	Technical writing	5.0
		5.0
MATH& 141	Precalculus I	5.0
OR		
MATH 145	Algebra applications for economics and business	5.0
OR		
any math course with precalculus as a prerequisite		5.0
		5.0
MATH& 148	Business calculus	5.0
OR		
MATH& 151	Calculus I	5.0
OR		
any other math course with calculus as a prerequisite.		5.0
Any courses designated "H" or "Hp". -Selected from at least two disciplines -No more than 5 credits in performance/skills courses are allowed, and no more than 5 credits allowed in foreign language at the 100 level Note: Students intending the international business major should consult their potential transfer institutions regarding the level of world language required for admission to the major. Five (5) credits in world languages may apply to the Humanities requirement		15.0
BUS& 101	Introduction to business	5.0
ECON& 201	Micro economics	5.0
ECON& 202	Macro economics	5.0
MATH& 146	Introduction to statistics	5.0
10 credits physical, biological and/or earth science, including at least one lab course		10.0

Electives / cooperative work experience **Units:** 25.0

ACCT& 201	Principles of accounting I	5.0
ACCT& 202	Principles of accounting II	5.0
ACCT& 203	Principles of accounting III	5.0
BUS& 201	Business law	5.0
Any general elective numbered 100 level or above. Note: Four institutions have requirements for admission that go beyond those specified above. Students can meet these requirements by selection of the elective University Course Equivalent to: -WSU (all campuses): Managing Information Technology MIS250 -Gonzaga: Management Information Systems BMIS 235 -PLU: Computerized Information Systems CSCE 120, either an equivalent course or skills test -WWU: Introduction to Business Computer Systems MIS 220.		5.0

Total: 90.0

Associate in Music-DTA/MRP Degree

WCC's associate in music (DTA/MRP) is a statewide-articulated transfer degree designed for students planning to transfer to a four-year college or university music program. WCC's curriculum prepares students with coursework in music theory and aural skills, keyboard skills, performance and applied instruction, as well as core college requirements. At WCC, students develop strong traditional foundational skills while exploring contemporary performance and leadership skills necessary for today's musician. To earn this degree, students must complete a minimum of 104 credits, as specified in the program, with a cumulative grade point average of at least 2.0. Completion of the associate in music does not guarantee admission or junior-level status. Audition requirements, minimum grade-point average requirements, as well as theory, keyboard and aural skills placement requirements are established by each institution. Music programs are competitive and may require a higher GPA overall, a higher GPA in a selected subset of courses, or a specific minimum grade in one or more courses. It is strongly recommended that students work closely with an academic advisor in preparation for transfer.

Core requirements Communication Skills **Units:** 10.0

ENGL& 101	English composition I	5.0
		5.0
ENGL 201	Advanced composition	5.0
OR		
ENGL 202	Writing about literature	5.0
OR		
ENGL& 235	Technical writing	5.0
OR		
CMST 245	Introduction to organizational communication	5.0
OR		
CMST& 101	Introduction to communication	5.0
OR		
CMST& 102	Introduction to mass media	5.0
OR		
CMST& 210	Interpersonal communication	5.0
OR		
CMST& 230	Small group communication	5.0

Core requirements Quantitative/Symbolic Reasoning **Units:** 5.0

		5.0
MATH& 107	Math in society	5.0
OR		
higher level math course designated as "QSR,MS".		5.0
OR		
PHIL& 117	Traditional logic	5.0

Core requirements Distribution-Humanities **Units:** 15.0

MUSC& 141	Music theory I	5.0
MUSC& 142	Music theory II	5.0
Any course designated "H" or "Hp" selected from a second discipline (not MUSC).		5.0

Core requirements Distribution-Social Sciences **Units:** 15.0

Any courses designated as "SS" from at least two disciplines.	15.0

Core requirements Distribution-Math/Science **Units:** 15.0

		15.0
10 credits physical, biological and/or earth science, including at least one lab course		10.0
AND		
Any course designated as "MS/MSI"		5.0

Courses must be selected from at least two separate disciplines.

Specialty requirements Music Major Course Electives **Units:** 26.0

MUSC 160	Class piano I	2.0
MUSC 161	Class piano II	2.0
MUSC 162	Class piano III	2.0
MUSC& 143	Music theory III	5.0
MUSC& 241	Music theory IV	5.0
MUSC& 242	Music theory V	5.0
MUSC& 243	Music theory VI	5.0

Specialty requirements Applied Music Instruction **Units:** 6.0

6 quarters of applied music instruction in the below two courses:		6.0
MUSC 150	Applied music Instruction I	1.0
MUSC 250	Applied music instruction II	1.0

Specialty requirements Performance Ensemble Instruction **Units:** 12.0

6 quarters of performance ensemble instruction in any of the below courses:		12.0
		2.0
MUSC 165	Collegiate choir	2.0
OR		
MUSC 174	Chamber music ensemble	2.0
OR		
MUSC 175	Jazz band	2.0
OR		
MUSC 184	Ensemble performance	2.0
OR		
MUSC 186	Contemporary music ensemble	2.0

Total: 104.0

Associate in Nursing-DTA/MRP Degree

The associate in nursing degree has special admission requirements. You can find program requirements in the Professional-Technical Programs section of the catalog or visit the WCC website for more program information.

The purpose of the nursing degree is to educate students to practice professional nursing within varied health care settings in collaboration with other members of the health care team, and to assist individuals who are experiencing health care problems to progress toward optimal health and wellness. The program prepares students to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

Prerequisites (for special admissions programs) **Units:** 60.0

Must have a grade of B or better in ENGL& 101, MATH& 146, CHEM& 121, BIOL& 260, BIOL& 241, BIOL& 242 and PSYC& 200.		
ENGL& 101	English composition I	5.0
MATH& 146	Introduction to statistics	5.0
		5.0
CHEM& 121	Introduction to chemistry	5.0
OR		
CHEM& 161	General chemistry with lab I	5.0
		5.0
BIOL& 160	General biology with lab	5.0
OR		
BIOL& 222	Majors cell biology/molecular	5.0
BIOL& 260	Microbiology	5.0
BIOL& 241	Human anatomy and physiology 1	5.0
BIOL& 242	Human anatomy and physiology 2	5.0
PSYC& 100	General psychology	5.0
PSYC& 200	Lifespan psychology	5.0
CMST OC	Any CMST or CMST& course designated OC	5.0
Humanities - courses designated "H/Hp" (Selected from two different disciplines. No more than 5 credits in foreign language at the 100 level and no more than 5 credits in performance/ skills courses.)		10.0

Core requirements **Units:** 75.0

NURS 170	Introduction to pharmacology concepts	2.0
NUTR 114	Nutrition In healthcare I	1.0
NURS 171	Introduction to nursing concepts with practicum	9.0
PHIL 118	Ethics and policy In healthcare I	1.0
PSYC 114	Psychosocial issues in healthcare I	1.0
NUTR 115	Nutrition in healthcare II	1.0
NURS 172	Nursing concepts with practicum I	10.0
PSYC 115	Psychosocial issues in healthcare II	1.0
NUTR 116	Nutrition in healthcare III	1.0
NURS 173	Nursing concepts with practicum II	9.0
PHIL 119	Ethics and policy in healthcare II	1.0
PSYC 116	Psychosocial issues in healthcare III	1.0
NUTR 117	Nutrition in healthcare IV	1.0
NURS 271	Nursing concepts with practicum III	9.0
PHIL 214	Ethics and policy in healthcare III	1.0
PSYC 214	Psychosocial issues in healthcare IV	1.0

NUTR 214	Nutrition in healthcare V	1.0
NURS 272	Nursing concepts with practicum IV	10.0
PHIL 215	Ethics and policy in healthcare IV	1.0
PSYC 215	Psychosocial issues in healthcare V	1.0
NURS 273	Nursing concepts with practicum V	11.0
PHIL 216	Ethics and policy in healthcare V	1.0

Total: 135.0

Associate in Science-Transfer (AS-T) Degrees (Sciences)

The associate in science-transfer (AS-T) degree is based on an agreement between Whatcom Community College and many colleges/universities in Washington state. This degree is an efficient, pre-designed educational path for students who wish to complete a baccalaureate program in science or engineering fields. The AS-T degree will not substitute for all general university requirements but will allow WCC students to enter a participating four-year college/university with 90 credits, junior standing, and the majority of major prerequisites completed. Students pursuing this degree must complete any remaining general university requirements along with remaining major program and graduation requirements during their junior and senior years of academic study.

Associate in Science-Transfer (AS-T) Degree-Atmospheric Sciences

The following list of courses is appropriate for students studying atmospheric sciences and satisfies the requirements for the AS-T track 2 degree.

General education requirements / related instruction **Units:** 30.0

ENGL& 101	English composition I	5.0
Any course designated as humanities (H)		5.0
Any course designated as social sciences (SS)		5.0
Any additional course designated as humanities (H) or social sciences (SS)		5.0
		10.0
MATH& 151	Calculus I	5.0
AND		
		5.0
MATH& 152	Calculus II	5.0
OR		
higher level math with approval of advisor		

Core requirements Pre-major program courses **Units:** 35.0

CHEM& 161	General chemistry with lab I	5.0
CHEM& 162	General chemistry with lab II	5.0
CHEM& 163	General chemistry with lab III	5.0
MATH& 163	Calculus III	5.0
PHYS& 221	Engineering physics I	5.0
PHYS& 222	Engineering physics II	5.0
PHYS& 223	Engineering physics III	5.0

Core requirements Remaining courses / elective courses	**Units:** 25.0
Student must complete 25 additional credits to reach a total of 90 credits. Computer science, MATH 204, and MATH 238 are strongly recommended.	25.0
A maximum of 5 unlisted elective (UE) credits are allowed.	
	Total: 90.0

Associate in Science-Transfer (AS-T) Degree-Biology

The following list of courses is appropriate for students studying biology and satisfies the requirements for the AS-T track 1 degree.

General education requirements / related instruction		**Units:** 30.0
ENGL& 101	English composition I	5.0
Any course designated as humanities (H)		5.0
Any course designated as social sciences (SS)		5.0
Any additional course designated as humanities (H) or social sciences (SS)		5.0
		10.0
MATH& 151	Calculus I	5.0
AND		
		5.0
MATH& 152	Calculus II	5.0
OR		
higher level math with approval of advisor		

Core requirements Pre-major program courses		**Units:** 45.0
BIOL& 221	Majors ecology/evolution	5.0
BIOL& 222	Majors cell biology/molecular	5.0
BIOL& 223	Majors organismal physiology	5.0
CHEM& 161	General chemistry with lab I	5.0
CHEM& 162	General chemistry with lab II	5.0
CHEM& 163	General chemistry with lab III	5.0
		5.0
MATH& 163	Calculus III	5.0
OR		
MATH& 146	Introduction to statistics	5.0
10 additional math/science credits		10.0

Core requirements Remaining courses / elective courses	**Units:** 15.0
Student must complete 15 additional credits to reach a total of 90 credits. CHEM& 261, 262, 263 are strongly recommended.	15.0
A maximum of 5 unlisted elective (UE) credits are allowed.	
	Total: 90.0

Associate in Science-Transfer (AS-T) Degree-Chemistry

The following list of courses is appropriate for students studying chemistry and satisfies the requirements for the AS-T track 1 degree.

General education requirements / related instruction **Units:** 30.0

ENGL& 101	English composition I	5.0
Any course designated as humanities (H)		5.0
Any course designated as social sciences (SS)		5.0
Any additional course designated as humanities (H) or social sciences (SS)		5.0
		10.0
MATH& 151	Calculus I	5.0
AND		
		5.0
MATH& 152	Calculus II	5.0
OR		
higher level math with approval of advisor		

Core requirements Pre-major program courses **Units:** 50.0

CHEM& 161	General chemistry with lab I	5.0
CHEM& 162	General chemistry with lab II	5.0
CHEM& 163	General chemistry with lab III	5.0
CHEM& 261	Organic chemistry with lab I	5.0
CHEM& 262	Organic chemistry with lab II	5.0
CHEM& 263	Organic chemistry with lab III	5.0
MATH& 163	Calculus III	5.0
		15.0
BIOL& 221	Majors ecology/evolution	5.0
AND		
BIOL& 222	Majors cell biology/molecular	5.0
AND		
		5.0
BIOL& 223	Majors organismal physiology	5.0
OR		
PHYS& 221	Engineering physics I	5.0
AND		
PHYS& 222	Engineering physics II	5.0
AND		
PHYS& 223	Engineering physics III	5.0

Core requirements Remaining courses / elective courses **Units:** 10.0

Student must complete 10 additional credits to reach a total of 90 credits. MATH 204, and MATH 238 are strongly recommended.	10.0
A maximum of 5 unlisted elective (UE) credits are allowed.	
	Total: 90.0

Associate in Science-Transfer (AS-T) Degree-Earth Sciences

The following list of courses is appropriate for students studying earth sciences and satisfies the requirements for the AS-T track 1 degree.

General education requirements / related instruction		**Units:** 30.0
ENGL& 101	English composition I	5.0
Any course designated as humanities (H)		5.0
Any course designated as social sciences (SS)		5.0
Any additional course designated as humanities (H) or social sciences (SS)		5.0
		10.0
MATH& 151	Calculus I	5.0
AND		
		5.0
MATH& 152	Calculus II	5.0
OR		
higher level math with approval of advisor		

Core requirements Pre-major program courses		**Units:** 45.0
CHEM& 161	General chemistry with lab I	5.0
CHEM& 162	General chemistry with lab II	5.0
CHEM& 163	General chemistry with lab III	5.0
GEOL& 101	Introduction to physical geology	5.0
		5.0
MATH& 163	Calculus III	5.0
OR		
MATH& 146	Introduction to statistics	5.0
		15.0
BIOL& 221	Majors ecology/evolution	5.0
AND		
BIOL& 222	Majors cell biology/molecular	5.0
AND		
		5.0
BIOL& 223	Majors organismal physiology	5.0
OR		
PHYS& 221	Engineering physics I	5.0
AND		
PHYS& 222	Engineering physics II	5.0
AND		
PHYS& 223	Engineering physics III	5.0
5 additional math/science credits		5.0

Core requirements Remaining courses / elective courses	**Units:** 15.0
Student must complete 15 additional credits to reach a total of 90 credits. ASTR& 100 and/or OCEA& 101 are recommended.	15.0
A maximum of 5 unlisted elective (UE) credits are allowed.	

Total: 90.0

Associate in Science-Transfer (AS-T) Degree-Environmental Science

The following list of courses is appropriate for students studying environmental science and satisfies the requirements for the AS-T track 1 degree.

General education requirements / related instruction **Units:** 30.0

ENGL& 101	English composition I	5.0
Any course designated as humanities (H)		5.0
Any course designated as social sciences (SS)		5.0
Any additional course designated as humanities (H) or social sciences (SS)		5.0
		10.0
MATH& 151	Calculus I	5.0
AND		
		5.0
MATH& 152	Calculus II	5.0
OR		
higher level math with approval of advisor		

Core requirements Pre-major program courses **Units:** 45.0

CHEM& 161	General chemistry with lab I	5.0
CHEM& 162	General chemistry with lab II	5.0
CHEM& 163	General chemistry with lab III	5.0
		15.0
BIOL& 221	Majors ecology/evolution	5.0
AND		
BIOL& 222	Majors cell biology/molecular	5.0
AND		
		5.0
BIOL& 223	Majors organismal physiology	5.0
OR		
PHYS& 221	Engineering physics I	5.0
AND		
PHYS& 222	Engineering physics II	5.0
AND		
PHYS& 223	Engineering physics III	5.0
		5.0
MATH& 163	Calculus III	5.0
OR		
MATH& 146	Introduction to statistics	5.0
10 additional math/science credits		10.0

Core requirements Remaining courses / elective courses **Units:** 15.0

Student must complete 15 additional credits to reach a total of 90 credits. Political science, economics and geology are strongly recommended.	15.0

A maximum of 5 unlisted elective (UE) credits are allowed.

Total: 90.0

Associate in Science-Transfer (AS-T) Degree-Geology

The following list of courses is appropriate for students studying geology and satisfies requirements for the AS-T track 1 degree.

General education requirements / related instruction **Units:** 30.0

ENGL& 101	English composition I	5.0
Any course designated as humanities (H)		5.0
Any course designated as social sciences (SS)		5.0
Any additional course designated as humanities (H) or social sciences (SS)		5.0
		10.0
MATH& 151	Calculus I	5.0
AND		
		5.0
MATH& 152	Calculus II	5.0
OR		
higher level math with approval of advisor		

Core requirements Pre-major program courses **Units:** 45.0

CHEM& 161	General chemistry with lab I	5.0
CHEM& 162	General chemistry with lab II	5.0
CHEM& 163	General chemistry with lab III	5.0
GEOL 211	Physical geology	5.0
GEOL 212	Historical geology	5.0
		5.0
MATH& 163	Calculus III	5.0
OR		
MATH& 146	Introduction to statistics	5.0
		15.0
BIOL& 221	Majors ecology/evolution	5.0
AND		
BIOL& 222	Majors cell biology/molecular	5.0
AND		
		5.0
BIOL& 223	Majors organismal physiology	5.0
OR		
PHYS& 221	Engineering physics I	5.0
AND		
PHYS& 223	Engineering physics III	5.0
AND		
PHYS& 223	Engineering physics III	5.0

Core requirements Remaining courses / elective courses **Units:** 15.0

Student must complete 15 additional credits to reach a total of 90 credits. A computer science course is strongly recommended.	15.0
A maximum of 5 unlisted elective (UE) credits are allowed.	

Total: 90.0

Associate in Science-Transfer (AS-T) Degree-Physics

The following list of courses is appropriate for students studying Physics and satisfies requirements for the AS-T track 2 degree.

General education requirements / related instruction **Units:** 30.0

ENGL& 101	English composition I	5.0
Any course designated as humanities (H)		5.0
Any course designated as social sciences (SS)		5.0
Any additional course designated as humanities (H) or social sciences (SS)		5.0
		10.0
MATH& 151	Calculus I	5.0
AND		
		5.0
MATH& 152	Calculus II	5.0
OR		
higher level math with approval of advisor		

Core requirements Pre-major program courses **Units:** 45.0

CHEM& 161	General chemistry with lab I	5.0
CHEM& 162	General chemistry with lab II	5.0
CHEM& 163	General chemistry with lab III	5.0
MATH& 163	Calculus III	5.0
MATH 204	Introduction to linear algebra	5.0
MATH 238	Introduction to differential equations	5.0
PHYS& 221	Engineering physics I	5.0
PHYS& 222	Engineering physics II	5.0
PHYS& 223	Engineering physics III	5.0

Core requirements Remaining courses / elective courses **Units:** 15.0

Student must complete 15 additional credits to reach a total of 90 credits. MATH& 264 and a computer science course are strongly recommended.	15.0
A maximum of 5 unlisted elective (UE) credits are allowed.	

Total: 90.0

Associate in Science-Transfer (AS-T) Degrees and Major-Related Programs (AS-T/MRP) (Engineering)

Graduates of WCC's engineering program may transfer with junior-level status to nearly any engineering major at universities in Washington and elsewhere. In addition to offering prerequisite coursework in science, math, and engineering fundamentals, WCC's robust and innovative engineering curriculum uses proven strategies to support student success in a challenging curriculum. For a list of courses by distribution, see appendix.

Whatcom offers four associate in science - transfer (AS-T) degree pathways for engineering. The requirements for each of the following degrees are customized based on transfer goals and ensure preparation for junior-ready transfer in a specific engineering major.

1. AS-T/MRP in Bioengineering and Chemical Engineering
2. AS-T/MRP in Civil and Mechanical Engineering
3. AS-T/MRP in Computer and Electrical Engineering
4. AS-T/MRP in Materials Science and Manufacturing Engineering
5. AS-T in general transfer engineering (min 90 credits) suitable for transfer preparation for a university engineering program that does not align well with one of the above three major-ready pathways (MRPs).

WCC's project-based learning experience helps students connect theoretical knowledge and engineering application. This hands-on approach begins immediately with a first-year curriculum that teaches technical skills in computer programming, microcontrollers, engineering graphics, and design processes while exploring the roles of math, science, and teamwork in engineering. Students refine their skills with design projects integrated into traditional sophomore-level coursework focused on engineering theory. Active student clubs and research opportunities allow students to apply their learning outside of the classroom and further build qualifications for scholarships, internships, and transfer to a university.

Students can enter the engineering transfer program during any quarter and can complete courses on a full-time or part-time basis.

In order to enroll in ENGR 101 (introduction to engineering), students must have enrolled prior or concurrently in MATH& 141 and have placed in ENGL& 101.

Associate in Science-Transfer (AS-T/MRP) Degree-Bioengineering and Chemical Engineering

Engineering programs at four-year colleges and universities require extensive preparatory coursework in order to be eligible for direct admission into a selective entry program. WCC offers several pathways to provide students with the preparation required for a variety of engineering majors at transfer institutions. Students are strongly advised to consult with an advisor about specific engineering pathways and transfer institutions in order to select the most appropriate degree pathways.

The following list of courses satisfies the requirements for the AS-T/MRP in Bioengineering and Chemical Engineering degree.. Choose specialization courses appropriately to prepare for one or more of the following majors: bioengineering; chemical engineering; bioresource science and engineering.

General education requirements / related instruction **Units:** 20.0

ENGL& 101	English composition I	5.0
Any course designated as humanities (H)		5.0
Any course designated as social sciences (SS)		5.0
Any additional course designated as humanities (H) or social sciences (SS)		5.0

Note: See an advisor for help choosing appropriate courses in this area. Depending on the major and the transfer institution, certain courses are preferred. An economics course is generally recommended.

Core requirements Math **Units:** 21.0-23.0

MATH& 151	Calculus I	5.0
MATH& 152	Calculus II	5.0
MATH& 163	Calculus III	5.0
		1.0-3.0
MATH 207	Taylor series	1.0
OR		
MATH 208	Sequences and series	3.0
MATH 238	Introduction to differential equations	5.0

Core requirements Science and Engineering **Units:** 40.0-45.0

CHEM& 161	General chemistry with lab I	5.0
CHEM& 162	General chemistry with lab II	5.0
CHEM& 163	General chemistry with lab III	5.0
CHEM& 261	Organic chemistry with lab I	5.0
		5.0
CHEM& 262	Organic chemistry with lab II	5.0
OR		
BIOL& 221	Majors ecology/evolution	5.0
		0.0-5.0
ENGR 101	Introduction to engineering	5.0
OR		
Note: ENGR 101 may be waived for students entering the pathway with advanced standing (MATH& 152 or higher)		0.0
PHYS& 221	Engineering physics I	5.0
PHYS& 222	Engineering physics II	5.0
PHYS& 223	Engineering physics III	5.0

Specialty requirements Program Specific Requirements **Units:** 13.0-16.0

Students must complete a minimum of three additional courses selected from the following list according to intended major and transfer university requirements:

		5.0
BIOL& 221	Majors ecology/evolution	5.0
OR		
BIOL& 222	Majors cell biology/molecular	5.0
OR		
BIOL& 223	Majors organismal physiology	5.0
OR		
CHEM& 262	Organic chemistry with lab II	5.0
OR		
CHEM& 263	Organic chemistry with lab III	5.0
OR		

CS& 141	Computer Science I Java	5.0
OR		
ENGR& 240	Engineering Computations	5.0
OR		
Note: Credit from both CS& 141 and ENGR& 240 can not be applied to this requirement.		
		3.0
ENGL& 230	Technical writing	3.0
OR		
ENGL& 235	Technical writing	5.0
OR		
Note: Credit from both ENGL& 230 and ENGL& 235 cannot be applied to this requirement.		
		5.0
ENGR 151	Introductory design and computing	5.0
OR		
ENGR 201	Fundamentals of materials science	5.0
OR		
ENGR& 204	Electrical circuits	6.0
OR		
ENGR& 214	Statics	5.0
OR		
ENGR& 224	Thermodynamics	5.0
OR		
MATH 204	Introduction to linear algebra	5.0
OR		
MATH& 264	Calculus 4	5.0

Total: 94.0-104.0

Associate in Science-Transfer (AS-T/MRP) Degree-Civil and Mechanical Engineering

Engineering programs at four-year colleges and universities require extensive preparatory coursework in order to be eligible for direct admission into a selective entry program. WCC offers several pathways to provide students with the preparation required for a variety of engineering majors at transfer institutions. Students are strongly advised to consult with an advisor about specific engineering pathways and transfer institutions in order to select the most appropriate degree pathways.

The following list of courses satisfies the requirements for the AS-T/MRP in Civil and Mechanical Engineering degree. Choose specialization courses appropriately to prepare for one or more of the following majors: aeronautical engineering; civil engineering; environmental engineering; industrial engineering; mechanical engineering.

General education requirements / related instruction **Units:** 20.0

ENGL& 101	English composition I	5.0
Any course designated as humanities (H)		5.0
Any course designated as social sciences (SS)		5.0
Any additional course designated as humanities (H) or social sciences (SS)		5.0
Note: See an advisor for help choosing appropriate courses in this area. Depending on the major and the transfer institution, certain courses are preferred. An economics course is generally recommended.		

Core requirements Math		**Units:** 26.0-28.0
MATH& 151	Calculus I	5.0
MATH& 152	Calculus II	5.0
MATH& 163	Calculus III	5.0
MATH 204	Introduction to linear algebra	5.0
		1.0-3.0
MATH 207	Taylor series	1.0
OR		
MATH 208	Sequences and series	3.0
MATH 238	Introduction to differential equations	5.0

Core requirements Science and Engineering		**Units:** 40.0-45.0
CHEM& 161	General chemistry with lab I	5.0
CHEM& 162	General chemistry with lab II	5.0
		0.0-5.0
ENGR 101	Introduction to engineering	5.0
OR		
Note: ENGR 101 may be waived for students entering the pathway with advanced standing (MATH& 152 or higher)		0.0
ENGR& 214	Statics	5.0
ENGR& 215	Dynamics	5.0
ENGR& 225	Mechanics of materials	5.0
PHYS& 221	Engineering physics I	5.0
PHYS& 222	Engineering physics II	5.0
PHYS& 223	Engineering physics III	5.0

Specialty requirements Program Specific Requirements		**Units:** 18.0-21.0
Students must complete a minimum of four additional courses selected from the following list according to intended major and transfer university requirements:		
		5.0
BIOL& 221	Majors ecology/evolution	5.0
OR		
CHEM& 163	General chemistry with lab III	5.0
OR		
CS& 141	Computer Science I Java	5.0
OR		
ENGR& 240	Engineering Computations	5.0
OR		
Note: Credit from both CS& 141 and ENGR& 240 cannot be applied to this requirement.		
		3.0
ENGL& 230	Technical writing	3.0
OR		
ENGL& 235	Technical writing	5.0
OR		
Note: Credit from both ENGL& 230 and ENGL& 235 cannot be applied to this requirement.		
		5.0

ENGR& 114	Engineering graphics	5.0
OR		
ENGR 151	Introductory design and computing	5.0
OR		
ENGR 201	Fundamentals of materials science	5.0
OR		
ENGR& 204	Electrical circuits	6.0
OR		
ENGR& 224	Thermodynamics	5.0
OR		
MATH& 264	Calculus 4	5.0

Total: 104.0-114.0

Associate in Science-Transfer (AS-T/MRP) Degree-Computer and Electrical Engineering

Engineering programs at four-year colleges and universities require extensive preparatory coursework in order to be eligible for direct admission into a selective entry program. WCC offers several pathways to provide students with the preparation required for a variety of engineering majors at transfer institutions. Students are strongly advised to consult with an advisor about specific engineering pathways and transfer institutions in order to select the most appropriate degree pathways.

The following list of courses satisfies the requirements for the AS-T/MRP in Computer and Electrical Engineering degree. Choose specialization courses appropriately to prepare for one or more of the following majors: computer engineering; electrical engineering.

General education requirements / related instruction **Units:** 20.0

ENGL& 101	English composition I	5.0
Any course designated as humanities (H)		5.0
Any course designated as social sciences (SS)		5.0
Any additional course designated as humanities (H) or social sciences (SS)		5.0
Note: See an advisor for help choosing appropriate courses in this area. Depending on the major and the transfer institution, certain courses are preferred. An economics course is generally recommended.		

Core requirements Math **Units:** 26.0-28.0

MATH& 151	Calculus I	5.0
MATH& 152	Calculus II	5.0
MATH& 163	Calculus III	5.0
MATH 204	Introduction to linear algebra	5.0
		1.0-3.0
MATH 207	Taylor series	1.0
OR		
MATH 208	Sequences and series	3.0
MATH 238	Introduction to differential equations	5.0

Core requirements Science and Engineering **Units:** 31.0-36.0

		0.0-5.0

ENGR 101	Introduction to engineering	5.0
OR		
Note: ENGR 101 may be waived for students entering the pathway with advanced standing (MATH& 152 or higher)		0.0
ENGR& 204	Electrical circuits	6.0
CHEM& 161	General chemistry with lab I	5.0
CS& 141	Computer Science I Java	5.0
PHYS& 221	Engineering physics I	5.0
PHYS& 222	Engineering physics II	5.0
PHYS& 223	Engineering physics III	5.0

Specialty requirements Program Specific Requirements **Units:** 23.0-25.0

Students must complete a minimum of five additional courses selected from the following list according to intended major and transfer university requirements:

		3.0
BIOL& 221	Majors ecology/evolution	5.0
OR		
CHEM& 162	General chemistry with lab II	5.0
OR		
CS 145	Computer Science II	5.0
OR		
CS 240	Data structure and algorithm fundamentals	5.0
OR		
ENGL& 230	Technical writing	3.0
OR		
ENGL& 235	Technical writing	5.0
OR		
Note: Credit from both ENGL& 230 and ENGL& 235 cannot be applied to this requirement.		
		5.0
ENGR 151	Introductory design and computing	5.0
OR		
ENGR 202	Logic circuits	6.0
OR		
ENGR& 214	Statics	5.0
OR		
ENGR& 215	Dynamics	5.0
OR		
ENGR& 224	Thermodynamics	5.0
OR		
ENGR& 240	Engineering Computations	5.0
OR		
MATH& 264	Calculus 4	5.0

Total: 100.0-109.0

Associate in Science-Transfer (AS-T) Degree-Materials Science and Manufacturing Engineering

Engineering programs at four-year colleges and universities require extensive preparatory coursework in order to be eligible for direct admission into a selective entry program. WCC offers several pathways to provide students

with the preparation required for a variety of engineering majors at transfer institutions. Students are strongly advised to consult with an advisor about specific engineering pathways and transfer institutions in order to select the most appropriate degree pathways.

The following list of courses satisfies the requirements for the AS-T/MRP in Materials Science and Manufacturing Engineering degree. Choose specialization courses appropriately to prepare for one or more of the following majors: materials science and engineering; manufacturing engineering; plastics and composites engineering.

General education requirements / related instruction **Units:** 20.0

ENGL& 101	English composition I	5.0
Any course designated as humanities (H)		5.0
Any course designated as social sciences (SS)		5.0
Any additional course designated as humanities (H) or social sciences (SS)		5.0
Note: See an advisor for help choosing appropriate courses in this area. Depending on the major and the transfer institution, certain courses are preferred. An economics course is generally recommended.		

Core requirements Math **Units:** 21.0-23.0

MATH& 151	Calculus I	5.0
MATH& 152	Calculus II	5.0
MATH& 163	Calculus III	5.0
MATH 204	Introduction to linear algebra	5.0
		1.0-3.0
MATH 207	Taylor series	1.0
OR		
MATH 208	Sequences and series	3.0

Core requirements Science and Engineering **Units:** 35.0-40.0

CHEM& 161	General chemistry with lab I	5.0
		0.0-5.0
ENGR 101	Introduction to engineering	5.0
OR		
Note: ENGR 101 may be waived for students entering the pathway with advanced standing (MATH& 152 or higher)		0.0
ENGR 201	Fundamentals of materials science	5.0
ENGR& 214	Statics	5.0
ENGR& 225	Mechanics of materials	5.0
PHYS& 221	Engineering physics I	5.0
PHYS& 222	Engineering physics II	5.0
PHYS& 223	Engineering physics III	5.0

Specialty requirements Program specific requirements **Units:** 23.0-25.0

Students must complete a minimum of five additional courses selected from the following list according to intended major and transfer university requirements:		
BIOL& 221	Majors ecology/evolution	5.0
OR		
CHEM& 162	General chemistry with lab II	5.0
OR		

CHEM& 163	General chemistry with lab III	5.0
OR		
CHEM& 261	Organic chemistry with lab I	5.0
OR		
CS& 141	Computer Science I Java	5.0
OR		
ENGR& 240	Engineering Computations	5.0
OR		
Note: Credit from both CS& 141 and ENGR 240 can not be applied to this requirement.		
		3.0
ENGL& 230	Technical writing	3.0
OR		
ENGL& 235	Technical writing	5.0
OR		
Note: Credit from both ENGL& 230 and ENGL& 235 cannot be applied to this requirement.		
		5.0
ENGR& 114	Engineering graphics	5.0
OR		
ENGR 151	Introductory design and computing	5.0
OR		
ENGR& 215	Dynamics	5.0
OR		
ENGR& 224	Thermodynamics	5.0
OR		
MATH 238	Introduction to differential equations	5.0
OR		
MATH 246	Statistics for engineering	5.0
OR		
MATH& 264	Calculus 4	5.0

Total: 99.0-108.0

Associate in Science-Transfer (AS-T) Degree-General Engineering

Engineering programs at four-year colleges and universities require extensive preparatory coursework in order to be eligible for direct admission into a selective entry program. WCC offers several pathways to provide students with the preparation required for a variety of engineering majors at transfer institutions. Students are strongly advised to consult with an advisor about specific engineering pathways and transfer institutions in order to select the most appropriate degree pathways.

The following list of courses is appropriate for students studying engineering and satisfies the requirements for the AS-T track 2 degree. This degree is more general in scope than the other Engineering MRP degrees offered.

Note: The MRP degrees are preferred preparation for most engineering BS degree programs in Washington. This more general customizable degree is suitable for a few select programs at some of the private universities in-state as well as many out-of-state options. Students should decide which degree to use based on the requirements of their major and transfer institution.

General education requirements / related instruction **Units:** 20.0

ENGL& 101	English composition I	5.0

Any course designated as humanities (H)		5.0
Any course designated as social sciences (SS)		5.0
Any additional course designated as humanities (H) or social sciences (SS)		5.0
Note: See an advisor for help choosing appropriate courses in this area. Depending on the major and the transfer institution, certain courses are preferred. An economics course is generally recommended.		

Core requirements Math **Units:** 15.0

MATH& 151	Calculus I	5.0
MATH& 152	Calculus II	5.0
MATH& 163	Calculus III	5.0

Core requirements Science and Engineering **Units:** 20.0-25.0

		0.0-5.0
ENGR 101	Introduction to engineering	5.0
OR		
Note: ENGR 101 may be waived for students entering the pathway with advanced standing (MATH& 152 or higher)		0.0
CHEM& 161	General chemistry with lab I	5.0
PHYS& 221	Engineering physics I	5.0
PHYS& 222	Engineering physics II	5.0
PHYS& 223	Engineering physics III	5.0

Specialty requirements Program Specific Requirements **Units:** 30.0-35.0

Students must complete a minimum of 30 credits from the following list to meet the total 90 credits for this degree option. The appropriate selection depends on the intended engineering major and transfer institution.		0.0
		3.0
BIOL& 221	Majors ecology/evolution	5.0
OR		
BIOL& 222	Majors cell biology/molecular	5.0
OR		
BIOL& 223	Majors organismal physiology	5.0
OR		
CHEM& 162	General chemistry with lab II	5.0
OR		
CHEM& 163	General chemistry with lab III	5.0
OR		
CHEM& 261	Organic chemistry with lab I	5.0
OR		
CHEM& 262	Organic chemistry with lab II	5.0
OR		
CHEM& 263	Organic chemistry with lab III	5.0
OR		
CS& 141	Computer Science I Java	5.0
OR		
CS 145	Computer Science II	5.0
OR		

CS 240	Data structure and algorithm fundamentals	5.0
OR		
ENGL& 230	Technical writing	3.0
OR		
ENGL& 235	Technical writing	5.0
OR		
Note: Credit from both ENGL& 230 and ENGL& 235 cannot be applied to this requirement.		
		1.0
ENGR& 114	Engineering graphics	5.0
OR		
ENGR 151	Introductory design and computing	5.0
OR		
ENGR 201	Fundamentals of materials science	5.0
OR		
ENGR 202	Logic circuits	6.0
OR		
ENGR& 204	Electrical circuits	6.0
OR		
ENGR& 214	Statics	5.0
OR		
ENGR& 215	Dynamics	5.0
OR		
ENGR& 224	Thermodynamics	5.0
OR		
ENGR& 225	Mechanics of materials	5.0
OR		
ENGR& 240	Engineering Computations	5.0
OR		
MATH 204	Introduction to linear algebra	5.0
OR		
MATH 207	Taylor series	1.0
OR		
MATH 208	Sequences and series	3.0
OR		
Note: Credit from both MATH 207 and MATH 208 cannot be applied to this requirement.		
		0.0-5.0
MATH 238	Introduction to differential equations	5.0
OR		
MATH 246	Statistics for engineering	5.0
OR		
MATH& 264	Calculus 4	5.0
OR		
other courses designated as H/Hp, SS, MS/MSl, CC, OC, Q/SR, LE.		0.0-5.0

Total: 90.0

Associate in Liberal Studies Degree

The associate in liberal studies degree is designed primarily for students who do not plan to pursue a specific technical or academic emphasis or transfer to a four-year institution but who wish to receive recognition for completion of 90 credits of general arts and sciences college-level learning.

Core requirements		**Units:** 10.0
ENGL& 101	English composition I	5.0
		5.0
Any Quantitative/Symbolic Reasoning course designated Q/SR		5.0
OR		
Any course designated as Computation on the Related Instruction List.		5.0

General education requirements / related instruction	**Units:** 30.0
Humanities (H)	
Any 2 courses designated H (must be from different disciplines)	10.0
Social/Behavioral Science (SS)	
Any 2 courses designated SS (must be from different disciplines)	10.0
Math/Science (MS/MSL)	
Any 2 courses designated MS/MSL (must be from different disciplines)	10.0

Electives / cooperative work experience	**Units:** 50.0
Any courses numbered 100 or above, from at least two different disciplines.	50.0

Specialty requirements Restrictions	**Units:**
A minimum of 15 degree (college-level) credits must be earned at Whatcom Community College.	

Total: 90.0

Professional-Technical (Job-Focused) Programs

Satisfying General Education Requirements

General education requirements in the professional-technical degrees and certificates can be satisfied by a previously earned associate's transfer degree from an accredited institution within Washington state or a bachelor's degree from an accredited institution within the United States. Other degrees will be considered on a case-by-case basis.

For bachelor of applied science degrees, the courses listed under the heading "General education-basic requirements" and "General education-distribution requirements" can be satisfied with a previously earned bachelor's degree from an accedited intstitution within the Untied States.

Satisfying Credit Requirements

In the case where a student completes all course requirements for a professional-technical degree or certificate but does not have the total number of credits required, any college level course(s) numbered 100 or higher, not already used in the degree or certificate, can be applied in order to reach the total number of credits required.

Accounting Program

The accounting program is designed to prepare students for a variety of entry-level accounting positions in private industry, state and local government, public accounting firms, banking, and investment services. The program offers an associate of applied science degree in accounting; a certificate in accounting; plus multiple short-term certificates of proficiency in various accounting specialties.

More information is at **whatcom.edu/accounting.**

Certificate of Proficiency- Accounting for A/P, A/R and Inventory

This short-term certificate provides additional specialized knowledge in the area of accounting for A/P, A/R, and inventory methods for the skilled worker. It is unlikely that employers will hire students who have only completed this certificate of proficiency; coursework may be applied towards a one-year certificate in accounting or a two-year AAS degree in accounting.

Core requirements **Units:** 20.0

A minimum "C" grade or better required for all core requirements.		
ACCT 110	Accounting for A/P, A/R, and inventory	5.0
ACCT& 201	Principles of accounting I	5.0
ACCT& 202	Principles of accounting II	5.0
ACCT& 203	Principles of accounting III	5.0

Total: 20.0

Certificate of Proficiency- Government/Not-for-Profit Accounting

This short-term certificate provides additional specialized knowledge in the area of governmental and not-for-profit accounting methods for the skilled worker. It is unlikely that employers will hire students who have only completed this certificate of proficiency; coursework may be applied towards a one-year certificate in accounting or a two-year AAS degree in accounting.

Core requirements **Units:** 20.0

A minimum "C" grade or better required for all core requirements.

ACCT& 201	Principles of accounting I	5.0
ACCT& 202	Principles of accounting II	5.0
ACCT& 203	Principles of accounting III	5.0
ACCT 250	Governmental/not-for-profit accounting	5.0

Total: 20.0

Certificate of Proficiency-Individual Income Tax

This short-term certificate provides additional specialized knowledge in the area of individual income tax methods for the skilled worker. It is unlikely that employers will hire students who have only completed this certificate of proficiency; coursework may be applied towards a one-year certificate in accounting or a two-year AAS degree in accounting.

Core requirements **Units:** 20.0

A minimum "C" grade or better required for all core requirements.

ACCT& 201	Principles of accounting I	5.0
ACCT& 202	Principles of accounting II	5.0
ACCT& 203	Principles of accounting III	5.0
ACCT 260	Individual income tax	5.0

Total: 20.0

Certificate of Proficiency-Payroll Accounting

This short-term certificate provides additional specialized knowledge in the area of payroll accounting methods for the skilled worker. It is unlikely that employers will hire students who have only completed this certificate of proficiency; coursework may be applied towards a one-year certificate in accounting or a two-year AAS degree in accounting.

Core requirements **Units:** 20.0

A minimum "C" grade or better required for all core requirements.

ACCT& 201	Principles of accounting I	5.0
ACCT& 202	Principles of accounting II	5.0
ACCT& 203	Principles of accounting III	5.0
ACCT 270	Payroll accounting	5.0

Total: 20.0

Certificate of Proficiency-QuickBooks

This short-term certificate provides additional specialized knowledge in the area of Quickbooks accounting methods for the skilled worker. It is unlikely that employers will hire students who have only completed this certificate of proficiency; coursework may be applied towards a one-year certificate in accounting or a two-year AAS degree in accounting.

Core requirements **Units:** 18.0

A minimum "C" grade or better required for all core requirements.

ACCT 130	QuickBooks	3.0
ACCT& 201	Principles of accounting I	5.0
ACCT& 202	Principles of accounting II	5.0
ACCT& 203	Principles of accounting III	5.0

Total: 18.0

Certificate-Accounting

This certificate offers the range of clerical and accounting skills needed to perform full-charge bookkeeping tasks for a small business accurately and efficiently. Employees in this position will use both manual and computerized systems, and will work under the supervision of an accountant.

Core requirements **Units:** 43.0

ACCT 130	QuickBooks	3.0
ACCT& 201	Principles of accounting I	5.0
ACCT& 202	Principles of accounting II	5.0
ACCT& 203	Principles of accounting III	5.0
ACCT 270	Payroll accounting	5.0
BTEC 101	Introduction to business computing	5.0
BTEC 142	Spreadsheets II	5.0
BUS& 101	Introduction to business	5.0
BUS& 201	Business law	5.0

General education requirements / related instruction **Units:** 15.0

		5.0
BUS 100	Business math	5.0
OR		
Any course designated as Computation on the Related Instruction list.		5.0
ENGL& 101	English composition I	5.0
		5.0
CMST 245	Introduction to organizational communication	5.0
OR		
CMST& 220	Public speaking	5.0
OR		
CMST& 230	Small group communication	5.0

Electives / cooperative work experience **Units:** 4.0-8.0

		1.0-3.0
CO-OP 180	Preparing for career work experience	1.0-2.0
OR		
ACCT 190	Accounting internship	1.0-3.0
OR		
FIN 190	Finance internship	1.0-3.0
		3.0-5.0
ACCT 250	Governmental/not-for-profit accounting	5.0
OR		

ACCT 260	Individual income tax	5.0
OR		
Any course numbered 100 or above in ACCT, BTEC, BUS, CIS, ECON, FIN, HTBM, OFFAD, PSYC, SOC		3.0-5.0

Total: 62.0-66.0

Associate of Applied Science-Accounting

The accounting AAS degree provides students with basic skills to compete for entry-level accounting positions in private industry, state and local government, and public accounting firms. Students who successfully complete the program should be able to (1) perform basic bookkeeping and accounting tasks both manually and using a computer; (2) demonstrate the relationships among the various business functions such as accounting, finance, marketing, purchasing, operations, and human resources; and (3) demonstrate computer proficiency.

Core requirements **Units:** 68.0

ACCT 110	Accounting for A/P, A/R, and inventory	5.0
ACCT 130	QuickBooks	3.0
ACCT 250	Governmental/not-for-profit accounting	5.0
ACCT 260	Individual income tax	5.0
ACCT 270	Payroll accounting	5.0
ACCT& 201	Principles of accounting I	5.0
ACCT& 202	Principles of accounting II	5.0
ACCT& 203	Principles of accounting III	5.0
BTEC 101	Introduction to business computing	5.0
BTEC 142	Spreadsheets II	5.0
BUS& 101	Introduction to business	5.0
BUS& 201	Business law	5.0
		5.0
ECON 100	Survey of economic principles	5.0
OR		
ECON& 201	Micro economics	5.0
OR		
ECON& 202	Macro economics	5.0
ECON 210	Economic ethics	5.0

General education requirements / related instruction **Units:** 18.0-20.0

ENGL& 101	English composition I	5.0
		3.0-5.0
ENGL& 230	Technical writing	3.0
OR		
ENGL& 235	Technical writing	5.0
		5.0
CMST 245	Introduction to organizational communication	5.0
OR		
CMST& 220	Public speaking	5.0
OR		

CMST& 230	Small group communication	5.0
		5.0
BUS 100	Business math	5.0
OR		
Any MATH course numbered 107 or above		5.0
OR		
Any course designated as computation on Related Instruction List		5.0

Electives / cooperative work experience **Units:** 2.0-4.0

		1.0-4.0
CO-OP 180	Preparing for career work experience	1.0-2.0
OR		
ACCT 190	Accounting internship	1.0-4.0
OR		
FIN 190	Finance internship	1.0-4.0

Total: 90.0

Business Program

The business program is designed to prepare students for a variety of positions critical to the successful functioning of all organizations - large and small businesses, government agencies, and non-profit entities. The program offers a bachelor of applied science (BAS) degree in applied business management, an associate of applied science (AAS) degree in business administration, and an associate in business (DTA/MRP) degree for students intending to study business at a university.

Speak with an advisor or the program faculty lead for guidance on building an elective pathway that focuses on a particular field of study that aligns with current labor demands and opportunities, including business technology, office administration/management, human resources, marketing, and general business administration.

More information at **whatcom.edu/busad**.

Certificate of Proficiency-Retail Management

The retail industry is constantly changing; leaders who can think creatively, evaluate competing options, and bring balance to their stores are essential. WCC's Retail Management certificate of proficiency was approved by and aligns directly with WAFC's requirements. This program prepares retail workers with the knowledge, skills, abilities, and confidence needed to advance in their careers.

Core requirements **Units:** 38.0

ACCT& 201	Principles of accounting I	5.0
BTEC 101	Introduction to business computing	5.0
BUS 108	Principles of marketing	5.0
BUS 111	Retail management	5.0
BUS 222	Human relations in business	3.0
BUS 223	Principles of management	5.0
BUS 230	Human resource management	5.0
CMST 245	Introduction to organizational communication	5.0

Total: 38.0

Certificate-Retail Business Management

The retail industry is constantly changing; leaders who can think creatively, evaluate competing options, and bring balance to their stores are essential. WCC's Retail Business Management certificate prepares industry professionals with the skills needed to advance in their careers. The coursework provides relevant education for all retail sectors as well as non-retail management career paths.

Core requirements **Units:** 38.0

ACCT& 201	Principles of accounting I	5.0
BTEC 101	Introduction to business computing	5.0
BUS 108	Principles of marketing	5.0
BUS 111	Retail management	5.0
BUS 222	Human relations in business	3.0
BUS 223	Principles of management	5.0
BUS 230	Human resource management	5.0
CMST 245	Introduction to organizational communication	5.0

General education requirements / related instruction **Units:** 5.0

ENGL& 101	English composition I	5.0

Electives / cooperative work experience **Units:** 2.0

		1.0-2.0
CO-OP 180	Preparing for career work experience	1.0-2.0
OR		
BUS 190	Business internship	1.0-2.0

Total: 45.0

Associate of Applied Science-Business Administration

The business administration AAS degree provides a core of fundamental business courses combined with ample flexibility in elective choices to allow students to concentrate study in their business area of choice. It prepares students in entrepreneurship to start their own business, and/or to gain the technical and professional skills needed for office management, marketing, retail and other business professions, including various supervisory/ entry level management positions in these fields.

Related instruction / general education requirements **Units:** 18.0-20.0

		5.0
BUS 100	Business math	5.0
OR		
other college level math course		5.0
		5.0
CMST 245	Introduction to organizational communication	5.0
OR		
CMST OC	Any CMST or CMST& course designated OC	5.0
ENGL& 101	English composition I	5.0
		3.0-5.0
ENGL& 230	Technical writing	3.0
OR		
ENGL& 235	Technical writing	5.0
OR		
BUS 140	Business research and communication	3.0

Core requirements **Units:** 43.0-45.0

		3.0-5.0
ACCT& 201	Principles of accounting I	5.0
OR		
ACCT 100	Introduction to accounting	3.0
BTEC 101	Introduction to business computing	5.0
BUS& 101	Introduction to business	5.0
BUS& 201	Business law	5.0
BUS 108	Principles of marketing	5.0
BUS 223	Principles of management	5.0
BUS 230	Human resource management	5.0

		5.0
ECON 100	Survey of economic principles	5.0
OR		
ECON& 201	Micro economics	5.0
ECON 210	Economic ethics	5.0

Electives / cooperative work experience **Units:** 25.0-29.0

Any selection of courses numbered 100 or above. Recommend review by program coordinator to meet the needs of the individual student.	25.0-29.0

Total: 90.0

Associate in Business-(DTA/MRP)

The associate in business (DTA/MRP) degree is a statewide articulated 90 credit transfer degree agreement for business majors between the community colleges and most four-year institutions. Students will enter the four-year institution's business department at the junior level. However admission is not guaranteed. To earn this degree, students must complete a minimum of 90 credits numbered 100 or above as specified in the degree and earn a minimum of 2.0 grade point average.

Core requirements **Units:** 65.0

ENGL& 101	English composition I	5.0
		5.0
ENGL 201	Advanced composition	5.0
OR		
ENGL& 235	Technical writing	5.0
		5.0
MATH& 141	Precalculus I	5.0
OR		
MATH 145	Algebra applications for economics and business	5.0
OR		
any math course with precalculus as a prerequisite		5.0
		5.0
MATH& 148	Business calculus	5.0
OR		
MATH& 151	Calculus I	5.0
OR		
any other math course with calculus as a prerequisite.		5.0

Any courses designated "H" or "Hp". -Selected from at least two disciplines -No more than 5 credits in performance/skills courses are allowed, and no more than 5 credits allowed in foreign language at the 100 level Note: Students intending the international business major should consult their potential transfer institutions regarding the level of world language required for admission to the major. Five (5) credits in world languages may apply to the Humanities requirement	15.0

BUS& 101	Introduction to business	5.0
ECON& 201	Micro economics	5.0
ECON& 202	Macro economics	5.0
MATH& 146	Introduction to statistics	5.0

10 credits physical, biological and/or earth science, including at least one lab course	10.0

Electives / cooperative work experience **Units:** 25.0

ACCT& 201	Principles of accounting I	5.0
ACCT& 202	Principles of accounting II	5.0
ACCT& 203	Principles of accounting III	5.0
BUS& 201	Business law	5.0
Any general elective numbered 100 level or above. Note: Four institutions have requirements for admission that go beyond those specified above. Students can meet these requirements by selection of the elective University Course Equivalent to: -WSU (all campuses): Managing Information Technology MIS250 -Gonzaga: Management Information Systems BMIS 235 -PLU: Computerized Information Systems CSCE 120, either an equivalent course or skills test -WWU: Introduction to Business Computer Systems MIS 220.		5.0

Total: 90.0

Business program bachelor degree

Whatcom Community College's BAS in applied business management degree provides bachelor's degree level education for students working in small- to medium-sized businesses in Whatcom County, as well as those preparing to start their own businesses. Designed with the working adult in mind, courses are online, augmented with robust on-campus support and resources. Graduates will leave the program with skills in all areas of business including human resources, marketing, management and leadership, finance, operations, and technology.

Special application process

Admission to the BAS degree in applied business management is by selective entry application. To be eligible, students must have an associate degree (business-related preferred), a minimum 2.0 cumulative GPA, and a minimum 2.3 GPA in business-related coursework. Students who are starting or currently working on their associate degree with the intention of applying to the BAS degree should speak with the BAS advising and outreach specialist or the program faculty lead for guidance on selecting lower division courses that will best prepare them for completing the BAS program. Visit **whatcom.edu/businessBAS** for more details about the prerequisites, the application process, application materials, and deadlines.

Bachelor of Applied Science (BAS)- Applied Business Management

The business management BAS degree prepares students with the comprehensive skills and knowledge to oversee and manage business systems and operations. Students focus on areas of management including marketing, finance, strategic planning, human resource management, project management, leadership, and professional and organizational communications. With an emphasis on practical skills and knowledge the BAS degree incorporates opportunities for students to directly apply concepts in business settings.

Prerequisites (for special admissions programs) **Units:** 90.0

Community college or technical college associates degree from an accredited institution.	90.0

Core requirements **Units:** 60.0

BUS 301	Professional readiness & communication	5.0
BUS 302	Project management	5.0
BUS 310	Foundations of management	5.0
BUS 330	Human resources for managers	5.0

BUS 340	Marketing for managers	5.0
BUS 370	Management information systems	5.0
BUS 380	Operations management	5.0
BUS 400	Private enterprise, profit and social justice	5.0
BUS 420	Business strategy and sustainability	5.0
BUS 450	Financial management	5.0
BUS 460	Organizational leadership & teamwork	5.0
BUS 495	Business capstone	5.0

General education- basic requirements **Units:** 0.0-25.0

CMST 245	Introduction to organizational communication	5.0
ENGL& 101	English composition I	5.0
ENGL& 235	Technical writing	5.0
		5.0
MATH& 141	Precalculus I	5.0
OR		
MATH 145	Algebra applications for economics and business	5.0
MATH& 146	Introduction to statistics	5.0

General education-distribution requirements **Units:** 0.0-15.0

Humanities Courses designated as "H" or "Hp"	0.0-5.0
Natural Sciences, courses designated as "MS" or "MSl". At least 10 credits in physical, biological, and/or earth sciences, shall include at least one laboratory course.	0.0-10.0

General education- program specific requirements **Units:** 5.0-35.0

ACCT& 201	Principles of accounting I	0.0-5.0
ACCT& 202	Principles of accounting II	0.0-5.0
ACCT& 203	Principles of accounting III	0.0-5.0
BUS& 201	Business law	0.0-5.0
ECON& 201	Micro economics	0.0-5.0
ECON& 202	Macro economics	0.0-5.0
PHIL 301	Professional ethics	5.0

Electives / cooperative work experience **Units:** 0.0-25.0

Students may need to apply up to 25 elective credits to meet the minimum of 180 credits for graduation. Please see an advisor for planning.	0.0-25.0

Total: 180.0-225.0

Computer Information Systems Program

WCC's nationally acclaimed computer information systems (CIS) program is designed to prepare students for careers in technical support, network administration, or information security, needed within virtually all industries. The program has been developed in alignment with national industry standards and certifications. The program prepares students for the Cisco Certified Network Associate (CCNA) certification and several other certifications, including Comp Tia A+ and Security+. The CIS program offers an associate of applied science degree in CIS, as well as an associate in applied science - transfer degree in cybersecurity. Certificate programs in technical support and network administration are available, as well as several short-term certificates of proficiency.

Statewide and national leadership and impact

Through its leadership of a number of federally funded grant awards from the Department of Homeland Security (DHS), the National Science Foundation (NSF), and the National Security Agency (NSA), WCC has made a statewide and national impact on cybersecurity education, workforce, and economic development. Currently, WCC holds positions as an NSF Advanced Technological Education (ATE) national center, known as NCyTE - the National Cybersecurity Training and Education Center, an NSA Center of Academic Excellence (CAE) Candidate National Center (CCNC) (one of five in the nation), and as an NSA designated Center of Academic Excellence in Information Assurance / Cyber Defense 2-year education (CAE2Y).

Since WCC became the lead institution for NCyTE (formerly CyberWatch West) in 2013, NCyTE membership (primarily community colleges across the nation) has grown from 33 to 423. WCC has also assisted over 410 colleges and universities across the nation toward earning the CAE designation from the NSA. In these roles, WCC is helping the nation to more rapidly enhance and foster cybersecurity education programs, resulting in a more plentiful and better-prepared cybersecurity workforce.

WCC is also home to the Cybersecurity Center of Excellence (CCoE), established in 2022. The CCoE serves as a statewide hub to enable Washington state to be the epicenter of cybersecurity education and a highly skilled workforce, empowering our region to thrive securely and safely.

These designations also help WCC students as they enter the workforce or transfer to four-year schools, conveying they graduated from a program nationally and regionally recognized for its excellence and alignment to the highest information security standards.

Prerequisite courses

The CIS program strongly recommends placement into Math 94 and English 95 or above prior to beginning CIS courses. Additionally, the cybersecurity AAS-T degree requires completion of CIS 105 with a C (2.0) grade or better.

Additional requirements during/after the course of study

In order to remain in the program, students must maintain at least a C (2.0) grade in all CIS courses and demonstrate professional work behavior exhibited through class attendance, punctuality, and timely completion of class assignments. While not a requirement for the CIS program, students should be aware there are special employment conditions in this career field that may include criminal background checks.

Transfer options

As noted above, WCC is offering a BAS degree in IT networking - cybersecurity. Alternatively, students may plan their CIS course selection to maximize transferability of their credits through articulation agreements with some Washington 4-year colleges and universities. Advising assistance is strongly recommended.

Students who earn the AAS-T degree in cybersecurity may apply to Western Washington University's bachelor degree program in cybersecurity and transfer up to 91 credits; the AAS-T degree may also transfer into other 4-year colleges and universities with which WCC has a direct articulation agreement for this program. Additional minimum academic requirements apply. Advising assistance is strongly recommended.

More information is at **whatcom.edu/CIS** and **whatcom.edu/cybersecurity**.

Certificate of Proficiency-Cloud Computing Security

This short-term certificate prepares students with foundational cloud administration and cloud security skills necessary to apply best practices to cloud architecture, design and more.

Coure Requirements **Units:** 16.0

CIS 105	Computer operating systems I	4.0
CIS 115	Introduction to internet of things (IoT)	3.0
CIS 220	Cloud foundations	5.0
CIS 221	Cloud security	4.0

Total: 16.0

Certificate of Proficiency-Data Utilization

This certificate prepares students with skills in database design and synthesizing data for business application. Students will also gain foundational data analysis skills that include introductory concepts and terminology in machine learning.

Core Requirements **Units:** 16.0

CIS 105	Computer operating systems I	4.0
CIS 201	Introduction to database design	5.0
CIS 240	Introduction to data analytics	4.0
CIS 245	Machine learning foundations	3.0

Total: 16.0

Certificate of Proficiency-Networking

This certificate of proficiency prepares students with the foundational networking concepts and skills necessary to fulfill the requirements of a networking technician role.

Core Requirements **Units:** 21.0

CIS 105	Computer operating systems I	4.0
CIS 236	Cisco networking I	5.0
CIS 237	Cisco networking II	6.0
CIS 238	Cisco networking III	6.0

Total: 21.0

Certificate of Proficiency-UAS Fleet Management

Prepares students to support, operate, maintain and manage a fleet of Unmanned Aircraft Systems (UAS). Equips students with the required FAA flight and safety regulations when operating a UAS.

Core requirements **Units:** 7.0

CIS 104	Unmanned aircraft systems (UAS) piloting	3.0
CIS 204	Unmanned aircraft systems (UAS) fleet management	4.0

Total: 7.0

Certificate of Proficiency-Unmanned Aircraft Systems

This certificate of proficiency will prepare students to safely pilot an Unmanned Aircraft System (UAS), while adhering to applicable FAA regulations, limitations, flight operation, as well as the different methods to perform image capture. Students will apply machine learning concepts to UAS mapping data.

Core Requirements **Units:** 19.0

CIS 104	Unmanned aircraft systems (UAS) piloting	3.0
CIS 105	Computer operating systems I	4.0
CIS 204	Unmanned aircraft systems (UAS) fleet management	4.0
CIS 224	Unmanned aircraft systems (UAS) mapping/imaging	5.0
CIS 245	Machine learning foundations	3.0

Total: 19.0

Certificate- Computer Information Systems-Network Administration

This CIS certificate prepares students to work as network administrators, performing network support.

Core requirements **Units:** 43.0

CIS 105	Computer operating systems I	4.0
CIS 106	Open source operating systems	5.0
CIS 110	Introduction to computer security	3.0
CIS 205	Computer operating systems II	5.0
CIS 206	Computer support I	4.0
CIS 214	Network security I	5.0
CIS 236	Cisco networking I	5.0
CIS 237	Cisco networking II	6.0
CIS 238	Cisco networking III	6.0

General education requirements / related instruction **Units:** 13.0-15.0

ENGL& 101	English composition I	5.0
Any course designated as Computation on the Related Instruction List		5.0
		3.0-5.0
BUS 170	Customer service for professionals	3.0
OR		
CMST OC	Any CMST or CMST& course designated OC	5.0

Total: 56.0-58.0

Certificate-Computer Information Systems-Technical Support

This CIS certificate prepares students to work as technical support specialists, performing hardware and software support and basic network support.

Core requirements **Units:** 24.0

CIS 105	Computer operating systems I	4.0
CIS 110	Introduction to computer security	3.0
CIS 116	Virtualization	3.0
CIS 205	Computer operating systems II	5.0

CIS 206	Computer support I	4.0
CIS 236	Cisco networking I	5.0

General education requirements / related instruction **Units:** 13.0-15.0

ENGL& 101	English composition I	5.0
Any course designated as Computation on the Related Instruction List		5.0
		3.0-5.0
BUS 170	Customer service for professionals	3.0
OR		
CMST OC	Any CMST or CMST& course designated OC	5.0

Electives / cooperative work experience **Units:** 7.0-9.0

		1.0-7.0
CIS 190	Technical internship	1.0-5.0
OR		
Any college level course numbered 100 or above. Recommended disciplines: ACCT, BTEC, BUS, CIS, CJ, CS, ECON, FIN, HTBM, MATH, OFFAD or VISCM.		1.0-7.0

Total: 46.0-48.0

Associate of Applied Science-Computer Information Systems

The computer information systems degree prepares students for employment in a variety of fields, including technical support/help desk positions, network administration, network technician, and information security specialist. Students with prior experience are encouraged to meet with the program coordinator for placement in the program.

Core requirements **Units:** 54.0

CIS 104	Unmanned aircraft systems (UAS) piloting	3.0
CIS 105	Computer operating systems I	4.0
CIS 106	Open source operating systems	5.0
CIS 110	Introduction to computer security	3.0
CIS 116	Virtualization	3.0
CIS 180	Technical internship and career preparation	2.0
CIS 205	Computer operating systems II	5.0
CIS 206	Computer support I	4.0
CIS 214	Network security I	5.0
CIS 215	Network security II	5.0
CIS 216	Industrial control systems security	5.0
CIS 225	Computer forensics	5.0
CIS 236	Cisco networking I	5.0

Pick one of the four specialty options:
Specialty requirements Networking **Units:** 12.0

CIS 237	Cisco networking II	6.0
CIS 238	Cisco networking III	6.0

or Specialty requirements Cloud Computing **Units:** 12.0

CIS 115	Introduction to internet of things (IoT)	3.0
CIS 220	Cloud foundations	5.0
CIS 221	Cloud security	4.0

or Specialty requirements Data Utilization **Units:** 12.0

CIS 201	Introduction to database design	5.0
CIS 240	Introduction to data analytics	4.0
CIS 245	Machine learning foundations	3.0

or Specialty requirements Unmanned Aircraft Systems **Units:** 12.0

CIS 204	Unmanned aircraft systems (UAS) fleet management	4.0
CIS 224	Unmanned aircraft systems (UAS) mapping/imaging	5.0
CIS 245	Machine learning foundations	3.0

General education requirements / related instruction **Units:** 13.0-15.0

		3.0-5.0
BUS 170	Customer service for professionals	3.0
OR		
CMST OC	Any CMST or CMST& course designated OC	5.0
ENGL& 101	English composition I	5.0
Any course designated as Computation on the Related Instruction List		5.0

Electives / cooperative work experience **Units:** 9.0-11.0

CIS 190	Technical internship	5.0
		3.0-6.0
Any college level course numbered 100 or above. Recommended disciplines: ACCT, BTEC, BUS, CIS, CJ, CS, ECON, FIN, HTBM, MATH, OFFAD, VISCM.		
OR		
PSYC 105	Career search process	3.0

Total: 90.0

Associate in Applied Science-Transfer--Cybersecurity

WCC's cybersecurity AAS-T program prepares students to transfer to four-year degree programs at certain colleges and universities in a variety of high-demand security-related fields including cybersecurity, computer information systems security, computer forensics, information assurance, information security engineering, and information security analysis. Students with prior experience are encouraged to meet with the program coordinator for placement in the program.

Core requirements **Units:** 61.0

Note: completion of CIS 105 with a "C" grade or better is required prior to enrolling in the CIS core courses.		
CS& 141	Computer Science I Java	5.0
CS 145	Computer Science II	5.0
CIS 104	Unmanned aircraft systems (UAS) piloting	3.0
CIS 106	Open source operating systems	5.0

CIS 110	Introduction to computer security	3.0
CIS 116	Virtualization	3.0
CIS 205	Computer operating systems II	5.0
CIS 214	Network security I	5.0
CIS 215	Network security II	5.0
CIS 216	Industrial control systems security	5.0
CIS 236	Cisco networking I	5.0
CIS 237	Cisco networking II	6.0
CIS 238	Cisco networking III	6.0

General education requirements / related instruction **Units:** 30.0

ENGL& 101	English composition I	5.0
MATH& 141	Precalculus I	5.0
MATH& 142	Precalculus II	5.0
MATH& 151	Calculus I	5.0
Choose two classes from:		
		5.0
BIOL& 221	Majors ecology/evolution	5.0
OR		
BUS& 201	Business law	5.0
OR		
CHEM& 161	General chemistry with lab I	5.0
OR		
PHIL 130	Introduction to ethics	5.0
OR		
PHYS& 221	Engineering physics I	5.0
OR		
POLS& 202	American government	5.0

Total: 91.0

CIS program bachelor degree

The CIS program offers a bachelor of applied science (BAS) degree in IT networking-cybersecurity, as well as several upper division short-term certificates of proficiency. The BAS degree includes courses infused with security topics and embedded certificates of proficiency in cloud computing, industrial control systems (SCADA), mobile technologies, and web development. The curriculum aligns with specific focus areas defined by the National Security Agency and Department of Homeland Security as part of their Center of Academic Excellence (CAE) program. Additionally, the curriculum builds on the National Initiative for Cybersecurity Education's (NICE) Cybersecurity Workforce Framework and the Department of Labor's (DOL) Cybersecurity Competency Model. As such, the program will help meet the national shortage of cybersecurity professionals.

Prerequisite courses

To be eligible for the BAS degree in IT networking-cybersecurity, applicants must meet the following requirements:

a. An associate's degree in an information technology related field from a regionally accredited community or technical college granted within the past five years or any prior degree plus relevant industry experience, personal statement, and current resume.
b. Cumulative minimum 2.0 GPA in associate's degree and minimum 2.0 GPA in all IT-related coursework.

Special application process

Admission to the BAS degree in IT networking-cybersecurity is by selective entry application. For details about prerequisites, the application process, application materials, and deadlines, visit **whatcom.edu/CyberBAS** or contact the advising and career services office.

Bachelor of Applied Science (BAS)-IT Networking-Cybersecurity

The computer information systems BAS degree prepares students for common networking administration challenges as well as those that occur in key industry sectors that require specific focused expertise. Graduates will be prepared to enter the workforce as network administrators and related job categories, such as computer and information systems manager or computer network architect.

Prerequisites (for special admissions programs)	**Units:** 90.0
A completed associate's degree from a regionally-accredited community or technical college in CIS, IT, or Cybersecurity, or related field with Program Lead's approval. (Minimum college-level GPA 2.0) CIS 236 or equivalent course with a 'B' or better OR proof of Cisco CCNA or CompTIA Network+ (current at the time of the application). CIS 110 or equivalent course with a 'B' or better OR proof of CompTIA Security+ (current at the time of application).	90.0

Core requirements		**Units:** 50.0
CIS 301	Database management systems	5.0
CIS 305	Cloud computing I	5.0
CIS 308	Mobile and wireless technologies	5.0
CIS 306	Enterprise Linux	5.0
CIS 316	Embedded systems	5.0
CIS 320	Web development	5.0
CIS 405	Cloud computing II	5.0
CIS 406	Supply chain	5.0
CIS 416	ICS architecture	5.0
CIS 499	Capstone	5.0

General education- program specific requirements	**Units:** 15.0-25.0

BUS 302	Project management	5.0
BUS 303	Compliance and auditing	5.0
CS& 141	Computer Science I Java	0.0-5.0
		0.0-5.0
ENGL& 230	Technical writing	0.0-3.0
OR		
ENGL& 235	Technical writing	0.0-5.0
PHIL 301	Professional ethics	5.0

General education- basic requirements **Units:** 0.0-15.0

CMST 245	Introduction to organizational communication	0.0-5.0
ENGL& 101	English composition I	0.0-5.0
MATH& 146	Introduction to statistics	0.0-5.0

General education-distribution requirements **Units:** 0.0-20.0

Humanities courses designated as "H" or "Hp"	0.0-5.0
Natural Sciences courses designated as "MS" or "MSl". At least 5 credits in physical, biological and/or earth sciences. Shall include at least one laboratory course.	0.0-10.0
Social Sciences courses designated as "SS"	0.0-5.0

Electives / cooperative work experience **Units:** 0.0-45.0

Students may need to apply up to 45 elective credits to meet the minimum of 180 credits for graduation. Please see an advisor for planning.	0.0-45.0

Total: 180.0-200.0

Certificate of Proficiency-Cloud Computing

This short-term certificate provides specialized knowledge in the area of cloud computing. Students will learn to design and implement a cloud infrastructure and manage storage services. Topics covered include: cloud based storage, virtualization, service oriented architecture (SOA), high availability, scaling, mobile devices, the role of open source cloud software such as Hadoop, OpenStack, and others.

Core requirements **Units:** 10.0

CIS 305	Cloud computing I	5.0
CIS 405	Cloud computing II	5.0

Total: 10.0

Certificate of Proficiency-Industrial Controls Systems-SCADA

Students will learn how to evaluate and configure cyber physical systems including embedded system architectures, design, plan, and implement an Industrial Control Systems network and analyze and mitigate security issues in an ICS network.

Core requirements **Units:** 10.0

CIS 316	Embedded systems	5.0
CIS 416	ICS architecture	5.0

Total: 10.0

Certificate of Proficiency-Mobile Technologies

Students will learn to evaluate the hardware, communications, management, and programming environments associated with mobile technologies and to design a supply chain including all of the components. Students will learn about security issues unique to these types of networks and how to mitigate risk.

Core requirements **Units:** 10.0

CIS 308	Mobile and wireless technologies	5.0
CIS 406	Supply chain	5.0

Total: 10.0

Certificate of Proficiency-Web Development

Prepares students to develop and maintain a web site, incorporate e-commerce and database components into a web site and employ appropriate security measures.

Core requirements **Units:** 15.0

CIS 106	Open source operating systems	5.0
CIS 301	Database management systems	5.0
CIS 320	Web development	5.0

Total: 15.0

Criminal Justice Program

The criminal justice (CJ) program provides students with the knowledge and skills required for entry-level employment within each of the three components of the criminal justice field - law enforcement, the courts, and corrections - as well as the private security sector. The program also offers opportunities for current criminal justice employees to enhance their knowledge and skills. The program offers an associate of applied science (AAS) degree with two options for focused study as well as a certificate option.

Prerequisite courses: All 200-level CJ courses require successful completion of CJ& 101 and placement into ENGL& 101.

Additional requirements during/after course of study: While not a requirement for CJ courses, students should be aware there are special employment conditions in this career field that may include criminal background checks, polygraph tests, physical fitness standards, and/or psychological testing.

Transfer option: Students may plan their criminal justice course selection to maximize transferability of their credits and earn both the AAS in criminal justice and the associate in arts and sciences (DTA) degrees. Advising assistance is strongly recommended.

More information is at **whatcom.edu/criminaljustice**.

Certificate - Criminal Justice

The criminal justice certificate is designed to provide students with knowledge and skills for entry level positions in the criminal justice field. The program also offers opportunities for current criminal justice employees to enhance their knowledge and skills.

Core requirements		**Units:** 25.0
CJ& 101	Introduction to criminal justice	5.0
CJ 109	Community relations	3.0
CJ& 110	Criminal law	3.0
CJ& 240	Introduction to forensic science	5.0
CJ 250	Criminal investigation/interviewing techniques	3.0
CJ 245	Laws of arrest, search & seizure	3.0
CJ 275	Patrol procedures	3.0

General education requirements / related instruction		**Units:** 15.0
ENGL& 101	English composition I	5.0
		5.0
IDS 113	Quantitative methods in the social sciences	5.0
OR		
Any course designated Computation on the Related Instruction List		5.0
		5.0
PSYC& 100	General psychology	5.0
OR		
SOC& 101	Introduction to sociology	5.0
OR		
CMST& 101	Introduction to communication	5.0
OR		
CMST& 230	Small group communication	5.0
OR		

CMST& 220	Public speaking	5.0
OR		
CMST 245	Introduction to organizational communication	5.0

Electives / cooperative work experience **Units:** 5.0-6.0

		1.0-6.0
BTEC 101	Introduction to business computing	5.0
OR		
ENGL& 230	Technical writing	3.0
OR		
ENGL& 235	Technical writing	5.0
OR		
POLS& 202	American government	5.0
OR		
SPAN& 121	Spanish I	5.0
OR		
Other world language		5.0
OR		
or proficiency in a world language as demonstrated by an approved exam.		5.0
OR		
SOC 250	Multicultural issues	5.0
OR		
CJ 190	Criminal justice internship	1.0-5.0
OR		
Any college level courses numbered 100 or above		5.0-6.0

Total: 45.0-46.0

Associate in Applied Science (AAS) - Criminal Justice

The criminal justice program is designed to provide students with knowledge and skills for entry level positions in the criminal justice field. The program also offers opportunities for current criminal justice employees to enhance their knowledge and skills.

Core requirements **Units:** 48.0

CJ& 101	Introduction to criminal justice	5.0
CJ 109	Community relations	3.0
CJ& 110	Criminal law	3.0
CJ& 240	Introduction to forensic science	5.0
CJ 250	Criminal investigation/interviewing techniques	3.0
CJ 245	Laws of arrest, search & seizure	3.0
CJ 275	Patrol procedures	3.0
ENGL& 230	Technical writing	3.0
PHIL 130	Introduction to ethics	5.0
PSYC& 100	General psychology	5.0
SOC 250	Multicultural issues	5.0
		5.0
SPAN& 121	Spanish I	5.0

OR		
Other world language		5.0
OR		
proficiency in a world language as demonstrated by an approved exam. Additional credits may be required in electives to meet the 90 credit degree requirement.		5.0

Specialty requirements **Units:** 20.0-25.0

Choose at least 20 credits from the following courses:		
BTEC 101	Introduction to business computing	5.0
POLS& 202	American government	5.0
PSYC 211	Social psychology	5.0
PSYC& 220	Abnormal psychology	5.0
Any course designated as a physical or biological science (ANTH, ASTR, BIOL, CHEM, ENVS, GEOL, IDS, NUTR, OCEA, PHYS or PHYSC)		5.0
SOC& 101	Introduction to sociology	5.0
SOC& 201	Social problems	5.0
SOC 220	Contemporary social issues	5.0
		5.0
SPAN& 122	Spanish II	5.0
OR		
Other world language		5.0
		5.0
SPAN& 123	Spanish III	5.0
OR		
Other world language		5.0
CMST 225	Intercultural communication	3.0-5.0

General education requirements / related instruction **Units:** 15.0

ENGL& 101	English composition I	5.0
		5.0
IDS 113	Quantitative methods in the social sciences	5.0
OR		
Any course designated Computation on the Related Instruction List		5.0
		5.0
CMST& 101	Introduction to communication	5.0
OR		
CMST& 230	Small group communication	5.0
OR		
CMST& 220	Public speaking	5.0
OR		
CMST 245	Introduction to organizational communication	5.0

Electives / cooperative work experience **Units:** 2.0-7.0

		1.0-6.0
CJ 190	Criminal justice internship	1.0-5.0

OR		
Any course numbered 100 and above		1.0-6.0

Total: 90.0

Associate of Applied Science (AAS) - Criminal Justice-Computer Forensics

The criminal justice program is designed to provide students with knowledge and skills for entry level positions in the criminal justice field. The program also offers opportunities for current criminal justice employees to enhance their knowledge and skills.

Core requirements **Units:** 48.0

CJ& 101	Introduction to criminal justice	5.0
CJ 109	Community relations	3.0
CJ& 110	Criminal law	3.0
CJ& 240	Introduction to forensic science	5.0
CJ 245	Laws of arrest, search & seizure	3.0
CJ 250	Criminal investigation/interviewing techniques	3.0
CJ 275	Patrol procedures	3.0
ENGL& 230	Technical writing	3.0
PHIL 130	Introduction to ethics	5.0
PSYC& 100	General psychology	5.0
SOC 250	Multicultural issues	5.0
		5.0
SPAN& 121	Spanish I	5.0
OR		
Other world language		5.0
OR		
proficiency in a world language as demonstrated by an approved exam. Additional credits may be required in electives to meet the 90 credit degree requirement.		5.0

Specialty requirements **Units:** 19.0-21.0

CIS 100	Computer literacy	3.0-5.0
CIS 105	Computer operating systems I	4.0
CIS 110	Introduction to computer security	3.0
CIS 206	Computer support I	4.0
CIS 225	Computer forensics	5.0

General education requirements / related instruction **Units:** 15.0

ENGL& 101	English composition I	5.0
		5.0
IDS 113	Quantitative methods in the social sciences	5.0
OR		
any course designated Computation on the Related Instruction list.		5.0
		5.0
CMST& 101	Introduction to communication	5.0
OR		

CMST& 220	Public speaking	5.0
OR		
CMST& 230	Small group communication	5.0
OR		
CMST 245	Introduction to organizational communication	5.0

Electives / cooperative work experience **Units:** 6.0-8.0

CJ 190	Criminal justice internship	1.0-5.0
and/or any course numbered 100 or above		1.0-5.0

Total: 90.0

Early Childhood Education Program

The early childhood education (ECE) program prepares students for careers working with children in early care and education programs, including Head Start, preschools, childcare centers, and family childcare homes. The program offers three certificates - an initial certificate, a short certificate of specialization, and a state certificate. These lead to an associate of applied science (AAS) degree or to an associate in applied science - transfer (AAS-T) degree. Initial and short certificate graduates may work in family childcare homes or in centers under the supervision of a program supervisor or director. The ECE state certificate prepares students for lead teacher or administrator positions in early learning programs. The AAS-T degree enables students to transfer to 4-year universities offering bachelor of arts (BA) degrees in ECE.

More information is at **whatcom.edu/ece**.

Certificate of Proficiency-State Initial Early Childhood Education Certificate

The first of three stackable certificates, aligned with step 5 of Washington State's career lattice for early care and education professionals. Level 2 core competencies are taught and assessed, enabling assistant teachers to move to lead teacher positions in licensed child care centers.

Core requirements **Units:** 12.0

A grade of C or better in each class is required to earn this Certificate of Proficiency.		
ECED& 105	Introduction to early childhood education	5.0
ECED& 107	Health/safety/nutrition	5.0
ECED& 120	Practicum - Nurturing relationships	2.0
		Total: 12.0

Certificate of Proficiency-State Short Early Childhood Education Certificate of Specialization-Administration

The second of two stackable certificates of proficiency aligned with Washington state core competencies for early care and education professionals. Level 2 competencies are taught and assessed, enabling individuals to hold lead teacher positions with a specialty in administration.

Core requirements **Units:** 17.0

A grade of C or better in each class is required to earn this certificate of proficiency.		
ECED& 105	Introduction to early childhood education	5.0
ECED& 107	Health/safety/nutrition	5.0
ECED& 120	Practicum - Nurturing relationships	2.0
EDUC& 115	Child development	5.0

Specialty requirements Administration **Units:** 3.0

ECED& 139	Administration of early learning programs	3.0
		Total: 20.0

Certificate of Proficiency-State Short Early Childhood Education Certificate of Specialization-Family Child Care

The second of two stackable certificates of proficiency aligned with Washington state core competencies for early care and education professionals. Level 2 competencies are taught and assessed, enabling individuals to hold lead teacher positions with a specialty in family child care.

Core requirements **Units:** 17.0

A grade of C or better in each class is required to earn this Certificate of Proficiency.

ECED& 105	Introduction to early childhood education	5.0
ECED& 107	Health/safety/nutrition	5.0
ECED& 120	Practicum - Nurturing relationships	2.0
EDUC& 115	Child development	5.0

Specialty requirements Family Child Care **Units:** 3.0

ECED& 134	Family child care	3.0

Total: 20.0

Certificate of Proficiency-State Short Early Childhood Education Certificate of Specialization-General

The second of two stackable certificates of proficiency aligned with Washington state core competencies for early care and education professionals. Level 2 competencies are taught and assessed, enabling individuals to hold lead teacher positions.

Core requirements **Units:** 17.0

A grade of C or better in each class is required to earn this Certificate of Proficiency.

ECED& 105	Introduction to early childhood education	5.0
ECED& 107	Health/safety/nutrition	5.0
ECED& 120	Practicum - Nurturing relationships	2.0
EDUC& 115	Child development	5.0

Specialty requirements General **Units:** 3.0

EDUC& 130	Guiding behavior	3.0

Total: 20.0

Certificate of Proficiency-State Short Early Childhood Education Certificate-Home Visitor/Family

The second of two stackable certificates of proficiency aligned with Washington state core competencies for early care and education professionals. Level 2 competencies are taught and assessed, enabling individuals to hold lead teacher positions with a specialty in home visiting.

Core requirements **Units:** 17.0

A grade of C or better in each class is required to earn this Certificate of Proficiency.

ECED& 105	Introduction to early childhood education	5.0
ECED& 107	Health/safety/nutrition	5.0
ECED& 120	Practicum - Nurturing relationships	2.0
EDUC& 115	Child development	5.0

Specialty requirements Early Childhood Education **Units:** 3.0

ECED& 138	Home visiting and family engagement	3.0

Total: 20.0

Certificate of Proficiency-State Short Early Childhood Education Certificate of Specialization-Infants and Toddlers

The second of two stackable certificates of proficiency aligned with Washington state core competencies for early care and education professionals. Level 2 competencies are taught and assessed, enabling individuals to hold lead teacher positions with a specialty in infant/toddler care.

Core requirements **Units:** 17.0

A grade of C or better in each class is required to earn this Certificate of Proficiency.		
ECED& 105	Introduction to early childhood education	5.0
ECED& 107	Health/safety/nutrition	5.0
ECED& 120	Practicum - Nurturing relationships	2.0
EDUC& 115	Child development	5.0

Specialty requirements Infant-Toddler Care **Units:** 3.0

ECED& 132	Infants/toddlers care	3.0

Total: 20.0

Certificate of Proficiency-State Short Early Childhood Education Certificate of Specialization-Outdoor Learning

The second of two stackable certificates of proficiency aligned with Washington state core competencies for early care and education professionals. Level 2 competencies are taught and assessed, enabling individuals to hold lead teacher positions with a specialty in outdoor learning.

Core Requirements **Units:** 17.0

A grade of C or better in each class is required to earn this Certificate of Proficiency.		
ECED& 105	Introduction to early childhood education	5.0
ECED& 107	Health/safety/nutrition	5.0
ECED& 120	Practicum - Nurturing relationships	2.0
EDUC& 115	Child development	5.0

Specialty Requirements: Outdoor Learning **Units:** 3.0

ECED& 137	Outdoor learning for young children	3.0

Total: 20.0

Certificate of Proficiency-State Short Early Childhood Education Certificate of Specialization-School Age Care

The second of two stackable certificates of proficiency aligned with Washington state core competencies for early care and education professionals. Level 2 competencies are taught and assessed, enabling individuals to hold lead teacher positions with a specialty in school age care.

Core requirements **Units:** 17.0

A grade of C or better in each class is required to earn this Certificate of Proficiency.		
ECED& 105	Introduction to early childhood education	5.0
ECED& 107	Health/safety/nutrition	5.0

ECED& 120	Practicum - Nurturing relationships	2.0
EDUC& 115	Child development	5.0

Specialty requirements School-Age Care **Units:** 3.0

EDUC& 136	School age care	3.0

Total: 20.0

Certificate-State Early Childhood Education

The third of three stackable certificates. The early childhood education program prepares students for careers in working with children in early learning and care programs, Head Start, preschools, childcare centers & homes. Competencies are developed for assistant teacher positions Step 7 on the Washington state career lattice for early care and education professionals.

Core requirements **Units:** 32.0

ECED& 105	Introduction to early childhood education	5.0
ECED& 107	Health/safety/nutrition	5.0
ECED& 160	Curriculum development	5.0
ECED& 180	Language/literacy development	3.0
ECED& 190	Observation, assessment & record keeping	3.0
EDUC& 115	Child development	5.0
EDUC& 130	Guiding behavior	3.0
EDUC& 150	Child/family/community	3.0

Specialty requirements **Units:** 3.0

Choose one		
		3.0
ECED& 132	Infants/toddlers care	3.0
OR		
ECED& 134	Family child care	3.0
OR		
ECED& 139	Administration of early learning programs	3.0
OR		
ECED& 170	Learning environments for young children	3.0
OR		
EDUC& 136	School age care	3.0
OR		
Any ECED or EDUC Class.		3.0

General education requirements / related instruction **Units:** 15.0

ENGL& 101	English composition I	5.0
		5.0
CMST& 101	Introduction to communication	5.0
OR		
CMST& 210	Interpersonal communication	5.0
Any course designated as Computation on the Related Instruction list		5.0

Electives / cooperative work experience **Units:** 2.0

ECED& 120	Practicum - Nurturing relationships	2.0

Total: 52.0

Associate of Applied Science (AAS)-Early Childhood Education

The early childhood education associate in applied science degree prepares students for immediate employment working with children as family home child care providers or assistant teachers. This is not intended to articulate directly to baccalaureate programs. This degree aligns with Washington state core competencies for early care and education professionals Level 3.

Core requirements **Units:** 56.0

ART 155	Art for children	3.0
ECED& 105	Introduction to early childhood education	5.0
ECED& 107	Health/safety/nutrition	5.0
ECED& 120	Practicum - Nurturing relationships	2.0
ECED& 132	Infants/toddlers care	3.0
ECED& 160	Curriculum development	5.0
ECED& 170	Learning environments for young children	3.0
ECED& 180	Language/literacy development	3.0
ECED& 190	Observation, assessment & record keeping	3.0
ECED 220	Music & movement	3.0
ECED 236	Math and science	3.0
EDUC& 115	Child development	5.0
EDUC& 130	Guiding behavior	3.0
EDUC& 150	Child/family/community	3.0
EDUC& 204	Exceptional child	5.0
EDUC 250	Professionalism in the workplace	2.0

General education requirements / related instruction **Units:** 15.0

ENGL& 101	English composition I	5.0
Any course designated as Computation on the Related Instruction list		5.0
CMST OC	Any CMST or CMST& course designated OC	5.0

Electives / cooperative work experience **Units:** 21.0

ECED 290	Early childhood education internship	5.0
Elective credits as approved by program coordinator to form an ECE specialization		16.0

Total: 92.0

Associate in Applied Science - Transfer (AAS-T) Early Childhood Education

The early childhood education degree prepares students for careers in early learning, caring for and teaching children birth through age 8 in child care programs, preschools, and publicly supported programs such as Head Start. Graduates meet Washington's Level 3 state competencies for early care and education professionals and NAEYC ECE associate degree standards.

Core requirements ECED **Units:** 50.0

ECED& 105	Introduction to early childhood education	5.0

ECED& 107	Health/safety/nutrition	5.0
ECED& 120	Practicum - Nurturing relationships	2.0
ECED& 160	Curriculum development	5.0
ECED& 170	Learning environments for young children	3.0
ECED& 180	Language/literacy development	3.0
ECED& 190	Observation, assessment & record keeping	3.0
ECED 220	Music & movement	3.0
ECED 236	Math and science	3.0
EDUC& 115	Child development	5.0
EDUC& 130	Guiding behavior	3.0
EDUC& 150	Child/family/community	3.0
EDUC& 204	Exceptional child	5.0
EDUC 250	Professionalism in the workplace	2.0

General education requirements / related instruction **Units:** 40.0

ENGL& 101	English composition I	5.0
Any ENGL course above 101 designated as a "CC"		5.0
Any courses from at least 2 disciplines designated "H"		10.0
PSYC& 100	General psychology	5.0
CMST OC	Any CMST or CMST& course designated OC	5.0
Any course designated "MSI"		5.0
Any course designated "Q/SR"		5.0

Electives / cooperative work experience **Units:** 2.0-3.0

ECED 290	Early childhood education internship	2.0-3.0

Total: 92.0-93.0

Finance Program

The finance program is designed to prepare students for a variety of entry-level financial services positions in private industry, state and local government, banking, and investment services. The program offers an associate of applied science degree in finance and multiple short-term certificates of proficiency in various finance specialties.

More information is at **whatcom.edu/finance**.

Certificate of Proficiency-Investments

This short-term certificate provides additional specialized knowledge in the area of investments for the skilled worker. It is unlikely that employers will hire students who have only completed this certificate of proficiency; coursework may be applied towards a two-year AS degree in finance.

Core requirements **Units:** 25.0

A minimum "C" grade or better required for all core requirements.		
ACCT& 201	Principles of accounting I	5.0
ACCT& 202	Principles of accounting II	5.0
ACCT& 203	Principles of accounting III	5.0
ACCT 260	Individual income tax	5.0
FIN 235	Investments	5.0

Total: 25.0

Certificate of Proficiency-Money and Banking

This short-term certificate provides additional specialized knowledge in the area of money and banking for the skilled worker. It is unlikely that employers will hire students who have only completed this certificate of proficiency; coursework may be applied towards a two-year AS degree in finance.

Core requirements **Units:** 25.0

A minimum "C" grade or better required for all core requirements.		
ACCT& 201	Principles of accounting I	5.0
ACCT& 202	Principles of accounting II	5.0
ACCT& 203	Principles of accounting III	5.0
ACCT 260	Individual income tax	5.0
ECON 225	Money and banking	5.0

Total: 25.0

Certificate of Proficiency-Principles of Finance

This short-term certificate provides additional specialized knowledge in the area of finance for the skilled worker. It is unlikely that employers will hire students who have only completed this certificate of proficiency; coursework may be applied towards a two-year AS degree in finance.

Core requirements **Units:** 25.0

A minimum "C" grade or better required for all core requirements.		
ACCT& 201	Principles of accounting I	5.0
ACCT& 202	Principles of accounting II	5.0
ACCT& 203	Principles of accounting III	5.0

ACCT 260	Individual income tax	5.0
FIN 215	Principles of finance	5.0

Total: 25.0

Associate of Applied Science (AAS)-Finance

The finance AAS degree prepares students for careers in finance and the financial services industry. The degree is designed for individuals who want training in income taxation, finance, money and banking, and investments. Students who successfully complete the program should be able to: 1) perform basic financial and accounting tasks both manually and using a computer; and 2) demonstrate the relationships among the various business functions such as accounting, finance, marketing, purchasing, operations, and human resources.

Core requirements **Units:** 68.0

ACCT 130	QuickBooks	3.0
ACCT 260	Individual income tax	5.0
ACCT& 201	Principles of accounting I	5.0
ACCT& 202	Principles of accounting II	5.0
ACCT& 203	Principles of accounting III	5.0
BTEC 101	Introduction to business computing	5.0
BTEC 142	Spreadsheets II	5.0
FIN 215	Principles of finance	5.0
FIN 235	Investments	5.0
BUS& 101	Introduction to business	5.0
BUS& 201	Business law	5.0
		5.0
ECON 100	Survey of economic principles	5.0
OR		
ECON& 201	Micro economics	5.0
OR		
ECON& 202	Macro economics	5.0
ECON 210	Economic ethics	5.0
ECON 225	Money and banking	5.0

General education requirements / related instruction **Units:** 18.0-20.0

ENGL& 101	English composition I	5.0
		3.0-5.0
ENGL& 230	Technical writing	3.0
OR		
ENGL& 235	Technical writing	5.0
		5.0
CMST 245	Introduction to organizational communication	5.0
OR		
CMST& 220	Public speaking	5.0
OR		
CMST& 230	Small group communication	5.0
		5.0

BUS 100	Business math	5.0
OR		
Any MATH course numbered 107 or above		5.0
OR		
Any course designated as Computation on the Related Instruction list		5.0

Electives / cooperative work experience **Units:** 2.0-4.0

		2.0-4.0
CO-OP 180	Preparing for career work experience	1.0-2.0
OR		
ACCT 190	Accounting internship	1.0-4.0
OR		
FIN 190	Finance internship	1.0-4.0

Total: 90.0

Hospitality and Tourism Business Management Program

WCC's hospitality and tourism business management program prepares students to work in this continually expanding, multi-billion-dollar global industry. The program includes a strong business core curriculum combined with specialized topics in hospitality and tourism. Whether you are interested in pursuing a career in hotel operations, meeting and event planning, food and beverage management, sales and marketing, or any number of other hospitality careers, WCC's hospitality and tourism business management program will get you the technical skills and industry knowledge to excel in this growing and exciting industry. The program offers an associate of applied science degree (AAS) in hospitality and tourism business management and a certificate in hospitality and tourism business management.

Students may plan their hospitality and tourism business management course selection to maximize transferability of credits to a variety of bachelor programs around the region, including Whatcom's Bachelor of Applied Science in Applied Business Management. Students should work with an academic advisor or the program coordinator to choose the most appropriate pathway to achieve their long-term career goals.

More information is at **whatcom.edu/hospitality**.

Certificate-Hospitality and Tourism Business Management

This certificate prepares students with the skills and knowledge to enter the hospitality industry and increase opportunities for advancement to mid-management positions.

Core requirements		**Units:** 35.0
BTEC 101	Introduction to business computing	5.0
BUS 108	Principles of marketing	5.0
BUS 170	Customer service for professionals	3.0
HTBM 175	Travel, tourism, business and society	4.0
HTBM 176	Food and beverage operations management	4.0
HTBM 177	Meeting and event planning	4.0
HTBM 179	Introduction to hospitality management	5.0
HTBM 205	Hotel operations management	5.0

General education requirements / related instruction		**Units:** 8.0-10.0
ENGL& 101	English composition I	5.0
		3.0-5.0
ACCT 100	Introduction to accounting	3.0
OR		
ACCT& 201	Principles of accounting I	5.0

Electives / cooperative work experience		**Units:** 1.0-7.0
		1.0-7.0
CO-OP 180	Preparing for career work experience	1.0-2.0
OR		
HTBM 190	Hospitality & tourism business mgt internship	1.0-7.0
OR		
BUS 190	Business internship	1.0-7.0

Total: 45.0-52.0

Associate of Applied Science (AAS)-Hospitality and Tourism Business Management

The hospitality and tourism business management associate in science degree provides a core of common business courses combined with specialized topics in hospitality and tourism. This degree prepares students to enter the hospitality industry with the skills and knowledge to grow in the field and increase opportunities for advancement to mid-management positions.

Core requirements **Units:** 65.0

ACCT& 201	Principles of accounting I	5.0
BTEC 101	Introduction to business computing	5.0
BUS& 201	Business law	5.0
BUS 108	Principles of marketing	5.0
HTBM 175	Travel, tourism, business and society	4.0
HTBM 176	Food and beverage operations management	4.0
HTBM 177	Meeting and event planning	4.0
HTBM 179	Introduction to hospitality management	5.0
HTBM 205	Hotel operations management	5.0
BUS 170	Customer service for professionals	3.0
BUS 230	Human resource management	5.0
		5.0
ECON 100	Survey of economic principles	5.0
OR		
ECON& 201	Micro economics	5.0
		5.0
BUS& 101	Introduction to business	5.0
OR		
ECON& 201	Micro economics	5.0
OR		
ECON& 202	Macro economics	5.0

Note: Students planning to pursue a Bachelor's degree should plan to take ECON& 201 and ECON& 202.

ECON 210	Economic ethics	5.0

General education requirements / related instruction **Units:** 16.0-20.0

		3.0-5.0
BUS 100	Business math	5.0
OR		
Any MATH course numbered 107 or above		5.0
OR		
Any college level course designated as Computation on the Related Instruction List		3.0-5.0
ENGL& 101	English composition I	5.0
		3.0-5.0
ENGL& 230	Technical writing	3.0
OR		
ENGL& 235	Technical writing	5.0
		5.0
CMST 245	Introduction to organizational communication	5.0
OR		

CMST OC	Any CMST or CMST& course designated OC	5.0

Electives / cooperative work experience **Units:** 5.0-9.0

		1.0-5.0
HTBM 190	Hospitality & tourism business mgt internship	1.0-5.0
OR		
BUS 190	Business internship	1.0-5.0
Electives - Any courses numbered 100 or above in the following disciplines in order to reach 90 credits for degree: ACCT, BUS, BTEC, CIS, CO-OP, CS, FIN, HTBM, OFFAD, PSYC, SOC, VISCM.		4.0-8.0
		Total: 90.0

Massage Therapist Program

The massage therapist program prepares students to work as licensed massage therapists (LMTs). As members of the healthcare community, they work in a variety of settings including hospitals, sports medicine clinics, medical and physical therapy offices and clinics, health clubs, spas, alternative medicine clinics, counseling and rehabilitative centers, and private massage clinics. Program graduates are eligible to sit for the national licensure exam.

WCC offers a massage therapist certificate for aspiring LMTs. A number of program courses are provided in a hybrid format, which means some assignments, quizzes, tests and other course material will be done online. Some courses may be offered in a fully online format.

Core curriculum massage classes must be taken in sequence, are only offered to students accepted into the massage program, and run for three consecutive quarters, beginning in fall quarter.

The curriculum qualifies graduates to sit for the national licensure exam, of which successful completion is one requirement to become a licensed massage therapist in Washington State. This curriculum is approved by the Washington State Massage Board, a subsidiary of the Washington State Department of Health.

Special application process: Admission to the massage therapist program is by special application, and is done on a first come, first served basis. In order for an application to be considered, it must be complete. For details about the program, the application process, application materials and deadlines, visit whatcom.edu/massage or contact the program coordinator. For questions about the certificate requirements, contact entry and advising to speak with a program advisor.

Additional requirements during/after course of study: In order to progress through the massage therapist program, students must take all MT courses in sequence and maintain a final grade of C (2.0) or better in all graded courses and an S in all clinical courses (note, a C in MT courses is 74 %). In order to pass lab practical exams, students must earn at least 80%. One re-take is allowed. Safety errors may be cause for failure of a practical exam.

Program dismissal/reentry policies: Students will be dismissed from the program if...

a. The student fails to complete the requirements of a program probation contract.
b. The student misses more than 20% of class sessions in a course.
c. The student earns a final grade of less than a C in any MT course.
d. The student fails to pass a lab practical exam with at least 80% on the second try.
e. The student receives a suspension by the college for violations of the student rights and responsibilities policy.
f. For a second time during the program, the student fails to meet any standard that would require probation.

Students dismissed from the program will be sent a certified letter indicating the reason(s) for the dismissal. A student dismissed from the program may apply to reenter the program by completing and submitting an "application for readmission" form to the program faculty lead at least one quarter prior to the quarter he/she intends to re-enroll. The program faculty lead will review the application and inform the student of the outcome of the review or request additional information for evaluation. In addition, the student will need to pay the application and background check fees, as well as submit an updated health verification form.

Readmission is dependent on space availability and whether the student has demonstrated the problems that led to dismissal have been corrected. The student must show competency in massage class material they passed previously through comprehensive evaluations if choosing to not repeat previously passed massage courses. Pass score of 74% on written evaluations and 80% on practical evaluations.

The program faculty lead may request additional documentation from the student to support the application for readmission. If the student is readmitted to the program, he/she must complete the requirements that led to the dismissal before continuing the program sequence.

Any subsequent failure to meet the standards of academic progress will result in automatic dismissal. For example, being placed on probation will result in immediate dismissal. A student wishing to re-enroll after a second

dismissal must apply as a new student to the program and repeat all MT and science support courses if they are readmitted to the program.

More information is at **whatcom.edu/massage**.

Certificate-Massage Therapist

The massage therapist certificate prepares students to work as licensed massage therapists (LMTs). As members of the health care community, they work in a variety of settings including hospitals, sports medicine clinics, medical and physical therapy offices/clinics, health clubs, spas, alternative medicine clinics, counseling and rehabilitative centers, and private massage clinics. Program graduates are eligible to sit for state and national licensure exams.

Core requirements		**Units:** 45.0
MT 105	Ethical & legal issues for massage therapists	3.0
MT 110	Massage therapy I	7.0
MT 111	Massage therapy II	7.0
MT 112	Massage therapy III	7.0
MT 202	Kinesiology I for massage therapists	4.0
MT 203	Kinesiology II for massage therapists	2.0
MT 204	Kinesiology III for massage therapists	2.0
MT 205	Business applications for massage therapists	3.0
MT 240	Massage license preparation/career development	2.0
MT 250	Student clinic	2.0
MT 271	Anatomy & pathophysiology I - Massage therapists	3.0
MT 272	Anatomy & pathophysiology II -Massage therapists	3.0

General education requirements / related instruction		**Units:** 15.0
		5.0
BUS 100	Business math	5.0
OR		
Any college level course designated as Computation on the Related Instruction List (CP).		5.0
ENGL& 101	English composition I	5.0
CMST OC	Any CMST or CMST& course designated OC	5.0

Total: 60.0

Medical Assisting Program

The medical assisting (MA) degree/certificate program is designed to train students to work as a member of an ambulatory health care team, performing a broad range of clinical and administrative tasks under the supervision of a physician, physician's assistant, or nurse practitioner in a doctor's office or other medical setting.

WCC offers an on-campus face-to-face program starting each fall quarter and a hybrid (combination online and on-campus) program starting each spring quarter. Program space is limited and a special application process is required (see below).

Students accepted into the MA degree and certificate programs take the same clinical training and administrative coursework. The degree requires additional general education / related instruction courses. Upon graduating from the MA degree or certificate program, students are eligible to take a national certification exam to become certified medical assistants with the CMA (AAMA) credential. Additionally, the MA degree and certificate programs are aligned with Washington state laws for MA credentials and scope of practice.

WCC's medical assisting certificate program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP, 9355 - 113th St. N, #7709, Seminole, FL 33775, (727) 210-2350, caahep.org) upon the recommendation of the Medical Assisting Education Review Board (MAERB).

Special application process: Admission to the medical assisting program is by special application and is on a first come first served, complete application basis. For details about the application process, application materials and deadlines, visit **whatcom.edu/medicalassisting** or contact the Advising and Career Services office or the medical assisting discipline lead.

Additional requirements during/after course of study: Courses must be taken in sequence as assigned in the program schedule. Any deviation from the program schedule must have the written approval of the program coordinator.

All program courses must be passed with a C (2.0) grade or better. If courses are not passed with a C or better, students will be dismissed from the program and advised to reapply the following academic year if they so choose.

Occupational exposures: The medical assistant may be exposed to various chemicals used in disinfection and sterilization, laboratory testing reagents, bio-hazard wastes, blood borne pathogens, and communicable diseases. While in the medical assisting program students have similar occupational exposures. Program students should refer to the "informed consent for coursework requiring human subjects" document in the medical assisting student handbook for specific information (available to students accepted into the MA program). Safety issues and concerns when dealing with occupational exposures are a major focus within the medical assisting program curriculum.

Students accepted into the medical assisting degree or certificate programs will need to show documentation indicating they have begun the required immunization series. Immunizations and tuberculosis screening are required in accordance with CDC recommendations and OSHA requirements for health care workers. Program students should refer to the immunization policy in the medical assisting student handbook for details.

Prior to practicum, medical assisting students are required to obtain and maintain provider level CPR certification and the 7-hour HIV/AIDS education certificate.

Dismissal/reentry regulations: Students will be dismissed from the medical assisting program for the following reasons:

a. Earning an unsatisfactory grade in any medical assisting course (below 74% overall course grade).
b. Failing to satisfactorily complete any probationary contract in the allotted time.
c. Being placed on suspension by the college for violations of the student rights and responsibilities policy.
d. Being dismissed from practicum.

Students who are dismissed from the program will be sent a certified letter indicating the reason for the dismissal. If the student wishes to appeal this action, he/she may do so by following the appropriate student grievance procedure as stated in the college catalog.

A student dismissed from the program may apply to re-enter the program by completing and submitting a new medical assisting application. Readmission is dependent on space availability and whether the student has demonstrated the problems that led to dismissal have been corrected. The medical assisting discipline lead may request additional documentation from the student to support the application for readmission. If the student is readmitted to the program, he/she must complete the requirements that led to the dismissal before continuing the program sequence.

Any subsequent failure to meet the standards of academic progress will result in automatic dismissal. A student wishing to re-enroll after a second dismissal must apply as a new student to the program and repeat all MA courses.

Certificate-Medical Assisting

The medical assisting certificate prepares students to perform a broad range of administrative and clinical tasks under the supervision of a physician/provider in a doctor's office or other medical setting.

Core requirements **Units:** 66.0

Placement into MATH 87 or higher, or completion of MATH 94 or higher; and placement into ENGL& 101.		
ENGL& 101	English composition I	5.0
MA 108	Medical law and ethics	2.0
MA 113	Introduction to medical computing	3.0
MA 129	Concepts in effective communication	2.0
MA 141	Medical office & electronic records	3.0
MA 143	Intro to practice management and basic finance	4.0
MA 145	Insurance-based medical billing and coding	4.0
MA 146	Medical terminology for the medical assistant	4.0
MA 147	The human body In health and disease I	4.0
MA 148	The human body in health and disease II	4.0
MA 151	Protective practices	2.0
MA 152	Clinical procedures I	4.0
MA 153	Clinical procedures II	4.0
MA 154	Clinical procedures III	4.0
MA 156	Pharmacology	4.0
MA 157	Essentials of care navigation	5.0
MA 200	Practicum with seminar	8.0
		Total: 66.0

Associate of Applied Science (AAS)-Medical Assisting

The medical assisting degree prepares students to perform a broad range of administrative and clinical tasks under the supervision of a physician/provider in a doctor's office or other medical setting.

General education requirements / related instruction **Units:** 20.0

Placement into MATH 87 or higher or completion of MATH 94 or higher; and placement into ENGL& 101		
ENGL& 101	English composition I	5.0
		5.0
CMST 245	Introduction to organizational communication	5.0
OR		

CMST& 210	Interpersonal communication	5.0
PSYC& 100	General psychology	5.0
		5.0
Any MATH course numbered 100 or above		5.0
OR		
BUS 100	Business math	5.0
OR		
Any college level course designated as Computation on the Related Instruction List.		5.0

Core requirements General Core **Units:** 16.0

MA 108	Medical law and ethics	2.0
MA 113	Introduction to medical computing	3.0
MA 129	Concepts in effective communication	2.0
MA 146	Medical terminology for the medical assistant	4.0
MA 157	Essentials of care navigation	5.0

Core requirements Clinical Core **Units:** 26.0

MA 147	The human body In health and disease I	4.0
MA 148	The human body in health and disease II	4.0
MA 151	Protective practices	2.0
MA 152	Clinical procedures I	4.0
MA 153	Clinical procedures II	4.0
MA 154	Clinical procedures III	4.0
MA 156	Pharmacology	4.0

Core requirements Administrative Core **Units:** 11.0

MA 141	Medical office & electronic records	3.0
MA 143	Intro to practice management and basic finance	4.0
MA 145	Insurance-based medical billing and coding	4.0

Core requirements Practicum **Units:** 8.0

MA 200	Practicum with seminar	8.0

Electives / cooperative work experience **Units:** 9.0

Any college level course numbered 100 or above, from the following disciplines: BIOL, BTEC, CHEM, CMST, CS, EDPL, HLTH, MA, MATH, NUTR, OFFAD or PSYC. Must have two different disciplines.	9.0

Total: 90.0

Nursing Program

The purpose of the nursing program is to educate students to practice registered nursing within varied health care settings in collaboration with other members of the healthcare team, and to assist individuals who are experiencing healthcare problems to progress toward optimal health and wellness. The program prepares students to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Successful program completers will earn an associate in nursing DTA/MRP degree. The degree allows the student to complete a bachelor's degree in nursing in one year from accepting colleges and universities.

Prerequisite courses - These prerequisites must be completed with a minimum grade of B (3.0): ENGL& 101, MATH& 146, PSYC& 200, BIOL& 241, BIOL& 242, BIOL& 260, and CHEM& 121 or 161. BIOL& 241 and 242 must have been completed within five years of the program application deadline. In addition, these prerequisites must be completed: PSYC& 100, BIOL& 160 or BIOL& 222, 5 credits in oral communications, and 10 credits in humanities. Note Humanities requirement - courses designated H/Hp (selected from two disciplines, no more than 5 credits in foreign language at the 100 level and no more than 5 credits in performance/skills courses).

Special application process: Admission to the nursing program is by selective entry application. For details about course and program prerequisites, the application process, application materials, and deadlines, visit **whatcom.edu/nursing** or contact the entry and advising office. All applicants are strongly encouraged to attend nursing information sessions.

Additional requirements during/after course of study: Students must take NURS courses in sequence and maintain a final grade of C in all courses in order to progress to the next nursing course (note, a C in nursing courses is 78%).

Dismissal/re-entry regulations: Students will be dismissed from the nursing program for the following reasons:

a. Earning an unsatisfactory grade in any nursing course due to unsatisfactory academic or clinical performance.
b. Failing to satisfactorily complete any probationary contract in the allotted time.
c. Being placed on suspension by the college for violations of the student rights and responsibilities policy.

Students who are dismissed from the program will be sent a certified letter indicating the reason for the dismissal. If the student wishes to appeal this action, s/he may do so by following the appropriate student grievance procedure as stated in the college catalog.

A student dismissed from the program may apply to re-enter the program by completing and submitting an "application for readmission" form to the program director at least one quarter prior to the quarter in which s/he intends to re-enroll. The program director will review the application and inform the student of the outcome of the review no more than ten days after receiving the application. Readmission is dependent on space availability and whether the student has demonstrated the problems that led to dismissal have been corrected. The program director may request additional documentation from the student to support the application for readmission. If the student is readmitted to the program, s/he must complete the requirements that led to the dismissal before continuing the program sequence. Students will not be allowed to enter the nursing program more than twice.

Associate in Nursing-(DTA/MRP)

The purpose of the nursing degree is to educate students to practice professional nursing within varied health care settings in collaboration with other members of the health care team, and to assist individuals who are experiencing health care problems to progress toward optimal health and wellness. The program prepares students to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

Prerequisites (for special admissions programs) **Units:** 60.0

Must have a grade of B or better in ENGL& 101, MATH& 146, CHEM& 121, BIOL& 260, BIOL& 241, BIOL& 242 and PSYC& 200.		
ENGL& 101	English composition I	5.0
MATH& 146	Introduction to statistics	5.0

		5.0
CHEM& 121	Introduction to chemistry	5.0
OR		
CHEM& 161	General chemistry with lab I	5.0
		5.0
BIOL& 160	General biology with lab	5.0
OR		
BIOL& 222	Majors cell biology/molecular	5.0
BIOL& 260	Microbiology	5.0
BIOL& 241	Human anatomy and physiology 1	5.0
BIOL& 242	Human anatomy and physiology 2	5.0
PSYC& 100	General psychology	5.0
PSYC& 200	Lifespan psychology	5.0
CMST OC	Any CMST or CMST& course designated OC	5.0
Humanities - courses designated "H/Hp" (Selected from two different disciplines. No more than 5 credits in foreign language at the 100 level and no more than 5 credits in performance/ skills courses.)		10.0

Core requirements **Units:** 75.0

NURS 170	Introduction to pharmacology concepts	2.0
NUTR 114	Nutrition In healthcare I	1.0
NURS 171	Introduction to nursing concepts with practicum	9.0
PHIL 118	Ethics and policy In healthcare I	1.0
PSYC 114	Psychosocial issues in healthcare I	1.0
NUTR 115	Nutrition in healthcare II	1.0
NURS 172	Nursing concepts with practicum I	10.0
PSYC 115	Psychosocial issues in healthcare II	1.0
NUTR 116	Nutrition in healthcare III	1.0
NURS 173	Nursing concepts with practicum II	9.0
PHIL 119	Ethics and policy in healthcare II	1.0
PSYC 116	Psychosocial issues in healthcare III	1.0
NUTR 117	Nutrition in healthcare IV	1.0
NURS 271	Nursing concepts with practicum III	9.0
PHIL 214	Ethics and policy in healthcare III	1.0
PSYC 214	Psychosocial issues in healthcare IV	1.0
NUTR 214	Nutrition in healthcare V	1.0
NURS 272	Nursing concepts with practicum IV	10.0
PHIL 215	Ethics and policy in healthcare IV	1.0
PSYC 215	Psychosocial issues in healthcare V	1.0
NURS 273	Nursing concepts with practicum V	11.0
PHIL 216	Ethics and policy in healthcare V	1.0

Total: 135.0

Nuring Assistant

This comprehensive training course prepares students to take the state Nursing Assistant Certification exam and provides awareness of the role of the nursing assistant in nursing care.

Certificate of Proficiency-Nursing Assistant

In addition to the Associate in Nursing (DTA-MRP) degree offered, a nursing assistant short-term certificate of proficiency is also available at WCC.

Special application process: Admission to the nursing assistant program is on a first-come, first-served basis once complete application materials are received at WCC. For details about the application process, application materials, and deadlines, visit **whatcom.edu/nac** or contact the entry and advising office.

Core requirements		**Units:** 8.0
NURS 100	Nursing assistant	8.0
		Total: 8.0

Office Administration Program

The successful functioning of any business or organization is enhanced by the professionalism and competency of the front office manager. This is a go-to person with strong communication, collaborative, and problem-solving abilities, and who excels in use of office technology. The office administration program prepares the student for employment positions such as a front office manager for a small business, an executive assistant for a corporate manager, or a department coordinator for a government agency or organization.

More information is at **whatcom.edu/offad**.

Certificate of Proficiency-Clerical Assistant

This training endorsement provides office skills appropriate to entry-level positions requiring specialized knowledge of payroll and benefits record keeping methods. Coursework may be applied towards a one-year certificate in office administration or an AAS in business administration.

Core requirements **Units:** 31.0

ACCT 100	Introduction to accounting	3.0
ACCT 130	QuickBooks	3.0
BTEC 101	Introduction to business computing	5.0
BTEC 104	Advanced keyboarding & Microsoft Outlook	3.0
BTEC 121	Word processing I	3.0
		3.0
BTEC 161	Database management I	3.0
OR		
BTEC 181	Introduction to presentation software	3.0
BUS 170	Customer service for professionals	3.0
OFFAD 105	Records management	3.0
OFFAD 150	Office procedures	5.0
		Total: 31.0

Certificate-Office Administration

This certificate prepares the student to be skilled in the job duties relating to the front office professional. Interpersonal, organizational, and technical skills are addressed to meet the demands for both small and large businesses, as well as government agencies. Graduates may find employment in the following occupations: office clerks, administrative assistants, information and records clerks, executive secretaries, and front office managers.

Core requirements **Units:** 33.0-37.0

		3.0-5.0
ACCT& 201	Principles of accounting I	5.0
OR		
ACCT 100	Introduction to accounting	3.0
ACCT 130	QuickBooks	3.0
BTEC 101	Introduction to business computing	5.0
BTEC 104	Advanced keyboarding & Microsoft Outlook	3.0
BTEC 121	Word processing I	3.0
		3.0-5.0

BTEC 122	Business document design	5.0
OR		
BTEC 161	Database management I	3.0
OR		
BTEC 181	Introduction to presentation software	3.0
OFFAD 105	Records management	3.0
OFFAD 150	Office procedures	5.0
OFFAD 160	Office management	5.0

General education requirements / related instruction **Units:** 11.0-15.0

		5.0
BUS 100	Business math	5.0
OR		
Any course designated as Computation on the Related Instruction List		5.0
		3.0-5.0
ENGL& 101	English composition I	5.0
OR		
BUS 140	Business research and communication	3.0
		3.0-5.0
CMST& 230	Small group communication	5.0
OR		
CMST 245	Introduction to organizational communication	5.0
OR		
BUS 170	Customer service for professionals	3.0

Electives / cooperative work experience **Units:** 1.0-5.0

		1.0-5.0
CO-OP 180	Preparing for career work experience	1.0-2.0
OR		
OFFAD 190	Office administration internship	1.0-5.0

Total: 45.0-57.0

Paralegal Studies Program

The paralegal studies program provides students with the knowledge and skills for entry into paralegal and legal service related careers in a variety of professional settings. WCC offers an associate of applied science (AAS) degree in paralegal studies and a certificate option. Both prepare students for challenging career opportunities. The certificate is designed for baccalaureate degree holders and can be completed in one year. It will be awarded to students upon completion of all certificate requirements and evidence of having earned a bachelor's degree.

Prerequisite courses: ESLA 117 or placement into ENGL& 101. Completion of PLS 127, PLS 111, and BTEC 121 or BTEC 122 with a minimum grade of C is required for all PLS program courses. Student success in the PLS program and in the profession requires interest in the legal system, critical thinking and ethical decision making skills, college level reading and writing skills, proficiency in word processing and office skills, an ability to work independently and with diverse populations, and adaptability and flexibility when working with people.

More information is at **whatcom.edu/paralegal**.

Certificate-Paralegal Studies

The program provides students with the knowledge and skills for entry into paralegal careers in public or private law offices and law-related agencies. WCC's paralegal studies program offers an associate in science degree and a certificate for students with prior bachelor degree level achievement.

General education requirements / related instruction		**Units:**
Evidence of earned bachelor's degree		
A minimum "C" grade or higher is required for all PLS courses.		

Core requirements		**Units:** 35.0-37.0
		3.0-5.0
BTEC 121	Word processing I	3.0
OR		
BTEC 122	Business document design	5.0
PLS 111	Introduction to law and the legal process	5.0
PLS 112	Law office technology	3.0
PLS 120	Civil procedure and litigation	5.0
PLS 127	Legal terminology	3.0
PLS 130	Legal interview and investigation techniques	3.0
PLS 151	Law office procedures and legal ethics	5.0
PLS 152	Intro to legal research, writing and analysis	5.0
PLS 175	Contracts, consumer law and access to justice	3.0

Electives / cooperative work experience		**Units:** 8.0-10.0
It is highly recommended to select the following PLS courses as electives:		
		5.0
PLS 160	Administrative law	5.0
OR		
PLS 210	Legal documents, admin processes, probate, wills	3.0
OR		
PLS 220	Real estate legal procedures	3.0
OR		

PLS 240	The practice of family law I	5.0
OR		
PLS 241	The practice of family law II	5.0
OR		
PLS 190	Paralegal studies internship	1.0-5.0
OR		
It is recommended to select the following BUS course as an elective if interested in business law:		
		8.0-10.0
BUS& 201	Business law	5.0
OR		
BTEC 122	Business document design	5.0
OR		
any PLS courses not counted as core requirements.		8.0-10.0

Total: 45.0

Associate of Applied Science (AAS)-Paralegal Studies

The program provides students with the knowledge and skills for entry into paralegal careers in public or private law offices and law-related agencies. WCC's paralegal studies program offers an associate in science degree and a certificate for students with prior bachelor degree level achievement.

Core requirements **Units:** 35.0-37.0

A minimum "C" grade or higher is required for all PLS courses.

		3.0-5.0
BTEC 121	Word processing I	3.0
OR		
BTEC 122	Business document design	5.0
PLS 111	Introduction to law and the legal process	5.0
PLS 112	Law office technology	3.0
PLS 120	Civil procedure and litigation	5.0
PLS 127	Legal terminology	3.0
PLS 130	Legal interview and investigation techniques	3.0
PLS 151	Law office procedures and legal ethics	5.0
PLS 152	Intro to legal research, writing and analysis	5.0
PLS 175	Contracts, consumer law and access to justice	3.0

General education requirements / related instruction **Units:** 30.0

		5.0
BUS 100	Business math	5.0
OR		
Any course designated Computation on Related Instruction List.		5.0
ENGL& 101	English composition I	5.0
		5.0
CMST& 101	Introduction to communication	5.0
OR		

CMST& 210	Interpersonal communication	5.0
OR		
CMST OC	Any CMST or CMST& course designated OC	5.0
Enrollment in at least one course from each of the following areas: Humanities "H", Social/ Behavioral Science "SS", Math/Science "MS" or "MSI"		15.0

Electives / cooperative work experience **Units:** 23.0-25.0

It is highly recommended to select the following PLS courses as electives:

		5.0
PLS 160	Administrative law	5.0
OR		
PLS 210	Legal documents, admin processes, probate, wills	3.0
OR		
PLS 220	Real estate legal procedures	3.0
OR		
PLS 240	The practice of family law I	5.0
OR		
PLS 241	The practice of family law II	5.0
OR		
Select the following BUS course as an elective if interested in business law:		
		1.0-25.0
BUS& 201	Business law	5.0
OR		
PLS 190	Paralegal studies internship	1.0-5.0
OR		
approved equivalent, by permission of program coordinator.		
OR		
BTEC 122 or any PLS courses not counted as core requirements.		23.0-25.0

Total: 90.0

Parent Education Program

WCC offers parenting skills classes taught by professional educators. Topics are current and research-based, but also relevant to the day-to-day reality of family life. WCC is affiliated with preschool programs in Bellingham and throughout Whatcom County. Children ages 2-5 attend play-based cooperative preschool classes.

Based on the belief that parents are the first and most important teachers of their children, cooperative preschools offer an educational experience for both parents and children. Parents/guardians are enrolled in a 3-credit parenting education class each quarter when they place their children in any of the preschools affiliated with WCC.

More information is at **whatcom.edu/parentinged**.

Certificate of Proficiency-Parent Education

The parenting education program is designed to give students skills and knowledge for entry level positions working with young children. The program will also increase opportunities for advancement for students working with children, families and family systems.

Core requirements **Units:** 18.0

PARED 101	Communication and child development	3.0
PARED 102	Learning environments and development	3.0
PARED 103	Behavior and diversity	3.0
PARED 104	Safety and developmentally appropriate practices	3.0
PARED 105	Childhood development and diversity	3.0
PARED 106	Guidance techniques and family resources	3.0

Total: 18.0

Physical Therapist Assistant Program

The physical therapist assistant (PTA) program prepares students to work with adult, geriatric and/or pediatric populations in general hospitals, rehabilitation hospitals, outpatient clinics, long-term care facilities, and school districts. Program graduates are eligible for licensure in any state as a physical therapist assistant.

The program is accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association.

Prerequisite courses: ENGL& 101 (or an advanced composition course); BUS 100 or MATH& 107 or any course designated "CP" on the related instruction list; PSYC& 100 or SOC& 101; a BIOL, CHEM, or PHYS lab course must be completed with a minimum grade of C+; MA 101 (Medical Terminology, 2 credits) and BIOL& 241 must be completed with a minimum grade of B-. BIOL& 241 must have been completed within 10 years of program application.

Note: With the exception of MA 101 and BIOL& 241, other program prerequisites may be waived with an associate/bachelor level degree. Refer to WCC's website or obtain the special application materials referred to below for complete details.

Special application process: Admission to the PTA program is by special application. For details about course and program prerequisites, the application process, application materials, and deadlines, visit **whatcom.edu/pta** or contact the Advising and Career Services office or the PTA program coordinator for program-specific questions.

Additional requirements during/after course of study: In order to progress through the PTA program, students must take all PTA courses in sequence and maintain a final grade of C (2.0) or better in all graded courses and an S in all clinical courses (note, a C in PTA courses is 74%). In order to pass lab practical exams, students must earn at least a B (3.0) (note, a B in PTA courses is 80%). One re-take will be allowed. Safety errors during a lab practical exam will be cause for failure.

Students admitted into the PTA program are required to complete clinical education. Clinical sites require students to maintain current AHA-BLS CPR and first aid certifications, complete a 7-hour HIV/AIDS training course, and have up-to-date immunizations, including COVID-19. Students are also required to travel to and from clinical sites, which may be more than one hour away from the college or from the student's home.

Dismissal/re-entry regulations: Students will be dismissed from the PTA program for the following reasons:

a. Earning an unsatisfactory U grade in any clinical course after being placed on probation due to unsatisfactory clinical performance.
b. Failing to satisfactorily complete any probationary contract in the allotted time.
c. Earning a C- (1.7) or below in any PTA course after being placed on probation.
d. Failing to meet a standard that would require probation for a second time in the program.
e. Being placed on suspension by the college for violations of the student rights and responsibilities policy.

Students who are dismissed from the program will be sent a letter via email indicating the reason for the dismissal. If the student wishes to appeal this action, he/she may do so by following the appropriate student grievance procedure as stated in the college catalog.

A student dismissed from the program may apply to re-enter the program within one year by completing and submitting an "application for readmission" form to the program coordinator at least two quarters prior to the quarter he/she intends to re-enroll. The program coordinator will review the application and inform the student of the outcome of the review no more than ten days after receiving the application. Readmission is dependent on space availability and whether the student has demonstrated the problems that led to dismissal have been corrected. The program coordinator may request additional documentation from the student to support the application for readmission. If the student is readmitted to the program, he/she must complete the requirements that led to the dismissal before continuing the program sequence.

Any subsequent failure to meet the standards of academic progress will result in automatic dismissal. A student wishing to re-enroll after a second dismissal must apply as a new student to the program and repeat all PTA courses.

Associate of Applied Science (AAS)-Physical Therapist Assistant

The physical therapist assistant degree prepares students to work with adult, geriatric and/or pediatric populations in general hospitals, rehabilitation hospitals, outpatient clinics, long-term care facilities and school districts. Graduates are eligible for licensure or certification in any state as a physical therapist assistant. The program is accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association.

General education requirements / related instruction **Units:** 27.0

Completion of general education courses is required for admission to core program requirements.

ENGL& 101	English composition I	5.0
		5.0
BUS 100	Business math	5.0
OR		
MATH& 107	Math in society	5.0
OR		
Any course designated as Computation on the Related Instruction List		5.0
		5.0
PSYC& 100	General psychology	5.0
OR		
SOC& 101	Introduction to sociology	5.0
Any BIOL, CHEM or PHYS Lab Course		5.0
MA 101	Medical terminology I	2.0
BIOL& 241	Human anatomy and physiology 1	5.0
BIOL& 242; and CMST& 101, 210, 220 or 230 highly recommended, but not required		

Core requirements **Units:** 84.0

PTA 101	Introduction to physical therapy	3.0
PTA 105	Tests and measurements	2.0
PTA 110	PTA procedures I	5.0
PTA 111	PTA procedures II	7.0
PTA 113	PTA procedures III	4.0
PTA 160	Service learning for the PTA	3.0
PTA 201	Ethical issues in physical therapy	3.0
PTA 202	Applied anatomy and clinical kinesiology	5.0
PTA 204	Clinical neurology	3.0
PTA 225	PTA procedures IV	5.0
PTA 226	PTA procedures V	4.0
PTA 227	PTA procedures VI	7.0
PTA 251	Clinical experience II	5.0
PTA 254	Clinical affiliation I	9.0
PTA 255	Clinical affiliation II	9.0
PTA 273	Anatomy and pathophysiology for the PTA I	3.0
PTA 274	Anatomy and pathophysiology for the PTA II	4.0
PTA 280	Special topics in physical therapy	2.0
PTA 285	Manual therapy techniques for PTAs	1.0

Total: 111.0

Social Work Program

Whatcom Community College's bachelor of applied science (BAS) degree in social work (BASSW) prepares students with competencies and knowledge for anti-racist and anti-oppresive generalist social work practice. Students focus on engagement, assessment, intervention, and evaluation in practice. With an emphasis on a human behavior in the social environment framework, social, economic, environmental, and racial justice, and evidence-based practice, graduates will be prepared to promote the well-being of individuals, families, groups, organizations, and communities in a social work setting and to pursue further education in social work.

Prerequisites

To be eligible for the BASSW students need:

a. An associate degree in behavioral health, human services, social services, or substance use disorder professional (SUDP), or related field with Dean's approval (minimum college-level GPA 2.0)
b. MATH& 146, PSYC& 100, PSYC& 200, and PSYC& 220, all with a C or better before the program starts. Courses completed with a C or better as part of your associate degree may be used to satisfy these prerequisites.

Special application process

Admission to the BASSW is by special application. For details about course and program prerequisites, the application process, application materials, and deadlines, visit **whatcom.edu/bassw** or contact the Advising and Career Services office of the BASSW program director for program-specific questions.

Additional requirements during/after course of study

To progress through the social work program, students must maintain a final grade of "C" (2.0) or better in all SW designated core requirements (note: a C in SW courses is 74%).

Students may also be required to travel to and from practicum sites, which may be more than an hour away from the college or from the student's home.

Dismissal/re-entry regulations

Students will be dismissed from the program for any of the following reasons:

a. Earning less than a "C" in any repeated SW designated BASSW core requirement course.
b. Failing to satisfactorily complete the requirements of a program probation contract.
c. Receiving suspension by the college for violations of the "Students Rights and Responsibilities Policy".
d. For the second time during the program, failing to meet any standard that would result in a second probation.

Students dismissed from the program will be sent a letter from the program director.

A student dismissed from the program may apply to re-enter the program by completing and submitting a letter to the program director at least four (4) weeks before the start of the quarter they are re-entering. The program director will review the letter and inform the student of the outcome of the review no more than 14 days after receiving the letter. Readmission is dependent on space availability and whether the student has demonstrated that the problems that led to dismissal have been corrected. The program director may request additional documentation from the student to support the application for readmission. If the student is readmitted to the program, he/she must complete the requirements that led to the dismissal before continuing the program sequence.

Any subsequent failure to meet the standards of academic progress will result in automatic dismissal.

A student wishing to re-enroll after a second dismissal must apply as a new student to the program and repeat all BASSW program courses that were below a "C" or 74% if they are re-admitted to the program.

Bachelor of Applied Science (BAS)- Social Work

This degree prepares students with the competencies and knowledge for generalist practice in social work. Students focus on engagement, assessment, intervention, and evaluation in practice. With an emphasis on an ecological systems model, social justice, and evidence-based practice, graduates will be prepared to promote the well-being of individuals, families, groups, organizations, and communities in a social work setting and to pursue further education in social work.

Prerequisites (for special admissions programs)		**Units:** 90.0
A completed associate's degree from a regionally-accredited community or technical college in behavioral health, human services, social services, or substance use disorder professional (SUDP), or related field with Dean's approval. (Minimum college-level GPA 2.0)		90.0

Prerequisites (for special admissions programs)		**Units:** 0.0-20.0
You must have completed the following courses with a C or better before the program starts.		
MATH& 146	Introduction to statistics	0.0-5.0
PSYC& 100	General psychology	0.0-5.0
PSYC& 200	Lifespan psychology	0.0-5.0
PSYC& 220	Abnormal psychology	0.0-5.0

General education - program specific requirements		**Units:** 0.0-10.0
Courses must be completed with a C or better.		
		0.0-5.0
BIOL& 100	Survey of Biology	0.0-5.0
OR		
BIOL& 160	General biology with lab	0.0-5.0
OR		
BIOL& 175	Human biology with lab	0.0-5.0
CMST 225	Intercultural communication	0.0-5.0

General education - basic requirements		**Units:** 0.0-10.0
Courses must be completed with a C or better.		
		0.0-5.0
CMST& 101	Introduction to communication	0.0-5.0
OR		
CMST& 210	Interpersonal communication	0.0-5.0
OR		
CMST& 220	Public speaking	0.0-5.0
OR		
CMST& 230	Small group communication	0.0-5.0
ENGL& 101	English composition I	0.0-5.0

General education - distribution requirements		**Units:** 5.0-15.0
Courses must be completed with a C or better.		
POLS& 202	American government	5.0
Additional credits in Humanities (H), Social Sciences (SS), Math/Science (MS or MSl) or Communication Skills (CC or OC).		0.0-10.0

Core requirements Social Work	**Units:** 71.0

Students must complete the following courses with a C grade or better. The BASSW program only accepts social work field education and social work practice course transfer credits from other CSWE accredited or candidacy social work programs. The BASSW program does not grant social work course credit for: 1) life experience, and 2) previous work experience.

SW 217	Introduction to social work	5.0
SW 310	Social work ethics across practice areas	5.0
SW 315	Human behavior in the social environment	5.0
SW 320	Diversity, human rights, and social justice	5.0
SW 330	Social work policy and advocacy	5.0
SW 340	Research and evaluation in social work practice	5.0
SW 350	Trauma responsive care across practice areas	5.0
SW 360	Assessment and engagement across practice areas	5.0
SW 410	Generalist practice: individuals and families	5.0
SW 420	Generalist practice: groups	5.0
SW 430	Generalist practice: communities and society	5.0
SW 491	Social work practicum experience I	5.0
SW 492	Social work practicum: seminar I	1.0
SW 493	Social work practicum experience II	4.0
SW 494	Social work practicum: seminar II	1.0
SW 495	Social work practicum experience III	4.0
SW 496	Social work practicum: seminar III	1.0

Electives / cooperative work experience **Units:** 0.0-19.0

Students may need to apply up to 19 elective credits with a C grade or better from the following disciplines to meet the minimum of 180 credits for graduation: anthropology, communication studies, English, health services, humanities, human development, interdisciplinary studies, philosophy, psychology, sociology, world languages, or other social sciences. Please see an advisor for planning.	0.0-19.0

Total: 180.0-211.0

Software Development Program

This technical program is designed to prepare you to meet industry demand in this rapidly growing field. In this program you will have the opportunity to gain high-demand skills in back-end and front-end computer programming, web programming, computer architecture, database design, programming for mobile devices, and more.

Internship opportunities

The software development degree includes an opportunity to do an internship course where you will be working for a regional employer to apply skills and gain valuable work-based learning experience. You will also have the opportunity to complete a capstone course where you will be applying skills and demonstrating competencies built throughout the program. Many of the projects from this capstone will be for employers and non-profit organizations in the area.

More information at **whatcom.edu/softwaredev**.

Associate of Applied Sciences (AAS) - Software Development

The software development degree is designed to prepare individuals to work as entry-level applications or web programmers within an organization. Students will acquire the core skills to design, code, implement, and maintain programs and database systems that provide programming solutions for industry.

Core requirements **Units:** 75.0

CIS 105	Computer operating systems I	4.0
CIS 201	Introduction to database design	5.0
CIS 220	Cloud foundations	5.0
CIS 236	Cisco networking I	5.0
CS 120	HTML fundamentals	5.0
CS& 141	Computer Science I Java	5.0
CS 145	Computer Science II	5.0
CS 240	Data structure and algorithm fundamentals	5.0
SD 130	Systems analysis and design	5.0
SD 180	Technical internship and career preparation	2.0
SD 230	Web programming	5.0
SD 235	Programming for mobile devices	5.0
SD 247	Applied computer architecture	6.0
SD 250	Software security principles	3.0
		10.0
SD 299	Software development capstone	0.0-10.0
OR		
SD 290	Software development internship	0.0-10.0

General education requirements / related instruction **Units:** 15.0

ENGL& 101	English composition I	5.0
MATH& 141	Precalculus I	5.0
Any CMST or CMST& course designated "OC"		5.0

Total: 90.0

Substance Use Disorder Professional Program

The substance use disorder professional (SUDP) program provides training opportunities designed to meet the educational requirements for certification as a substance use disorder professional in Washington state. Whatcom offers an associate of applied science (AAS) degree and a certificate option to prepare graduates to counsel, assess, and treat individuals, groups, and families with substance use disorders in a variety of treatment settings. The certificate is for those with a prior degree (associate or higher). Whatcom also offers an alternative training certificate of proficiency to train eligible licensed professionals, who have previous education in the mental health field, to treat co-occurring disorders as SUDPs.

Whatcom Community College has been approved by the National Association for Alcoholism and Drug Abuse Counselors (NAADAC) as an Approved Education Provider. This allows students to sit for the NAADAC certification examination for addiction counselors immediately after completing their required education courses.

Special application process: The SUDP AAS degree or certificate can be entered at the start of any quarter. There is no special application. For details about the application process for the alternative training certificate of proficiency, visit **whatcom.edu/SUDP** or contact Advising and Career Services or the SUDP program coordinator.

Additional requirements during/after course of study: In order to progress through the behavioral health program, students must maintain a final grade of C (2.0) or better in all HLTH designated core requirement courses *(**note:** a "C" in behavioral health courses is 74%)*.

Students may also be required to travel to and from practicum sites, which may be more than one hour away from the College or from the student's home.

Certificate of Proficiency-Substance use Disorder Professional-Alternative Training

An alternative training program as a substance use disorder professional for those currently holding licensure in Washington State as: an Advanced Practice Nurse Practitioner, a marriage and family therapist, mental health counselor, advanced social worker, or independent clinical social worker, Psychologist, Osteopathic Physician, Osteopathic Physician Assistant, Physician, or Physician Assistant.

Core requirements **Units:** 15.0

HLTH 280	Survey of addiction - aternative training	3.0
HLTH 281	Law & ethics for addiction counseling alt	2.0
HLTH 282	Pharmacological & physiological drug actions	3.0
HLTH 283	Family systems/adolescent treatment addiction	2.0
HLTH 284	American society of addiction medicine alt	3.0
HLTH 285	Addiction treatment: Individual & group alt	2.0

Total: 15.0

Certificate-Substance Use Disorder Professional

This program prepares students to counsel individuals and families with substance use disorders as a substance use disorder professional in Washington State. Courses are designed to meet the topics specific to alcohol and drug addicted individuals required by the Washington administrative code (246-811-030). This certificate is for students with a prior degree (associates, bachelors, masters).

General education requirements / related instruction **Units:**

Evidence of earned associates, bachelors or masters degree from college or university accredited by a national or regional accrediting body	

Core requirements **Units:** 65.0

PSYC& 200	Lifespan psychology	5.0
PSYC& 220	Abnormal psychology	5.0
HLTH 129	Physiology & pharmacology of psychoactive drugs	5.0
HLTH 131	Survey of addiction	4.0
HLTH 132	Law, ethics & professional development	3.0
HLTH 133	Family systems/adolescent treatment	4.0
HLTH 134	Counseling techniques	5.0
HLTH 140	Counseling diverse populations	4.0
HLTH 232	Treatment theories	4.0
HLTH 234	Group facilitation	5.0
HLTH 235	Case management I	5.0
HLTH 236	Case management II	5.0
HLTH 237	Co-occurring behavioral health disorders	4.0
HLTH 238	Substance use disorder professional practicum	4.0
HLTH 239	SUDP pre-practicum	2.0
HLTH 240	SUDP practicum seminar	1.0

Total: 65.0

Associate of Applied Science (AAS)-Substance Use Disorder Professional

This program prepares students to counsel individuals and families with substance use disorders as a substance use disorder professional in Washington State. Courses are designed to meet the topics specific to alcohol and drug addicted individuals required by the Washington administrative code (246-811-030).

General education requirements / related instruction **Units:** 25.0

ENGL& 101	English composition I	5.0
		5.0
MATH& 146	Introduction to statistics	5.0
OR		
MATH& 107	Math in society	5.0
OR		
Any course designated Computation in the Related Instruction List.		5.0
PSYC& 100	General psychology	5.0
		10.0
Any college level courses numbered 100 or above. (Recommend PSYC, SOC, CMST, HLTH, HUMDV)		10.0

Core requirements **Units:** 65.0

HLTH 129	Physiology & pharmacology of psychoactive drugs	5.0
HLTH 131	Survey of addiction	4.0
HLTH 132	Law, ethics & professional development	3.0
HLTH 133	Family systems/adolescent treatment	4.0
HLTH 134	Counseling techniques	5.0
HLTH 140	Counseling diverse populations	4.0
HLTH 232	Treatment theories	4.0
HLTH 234	Group facilitation	5.0
HLTH 235	Case management I	5.0
HLTH 236	Case management II	5.0

HLTH 237	Co-occurring behavioral health disorders	4.0
HLTH 238	Substance use disorder professional practicum	4.0
HLTH 239	SUDP pre-practicum	2.0
HLTH 240	SUDP practicum seminar	1.0
PSYC& 200	Lifespan psychology	5.0
PSYC& 220	Abnormal psychology	5.0

Total: 90.0

Visual Communications Program

The visual communications program prepares students for careers in the print, web, and digital media design fields. The curriculum balances study of conceptual and visual problem-solving skills with the development of technical skills and knowledge of current industry practices. The visual communications associate of technical arts degree offers content in graphic design and web/interactive media, including digital publishing for mobile devices and content management systems.

Prerequisite courses: ART 112; ART 115 or 116; ART 185; ART& 100 or ART 114 or 205 or 215; and placement into ENGL& 101.

Special application process: Admission to the visual communications program is by special application. For more information about course and program prerequisites, the application process, application materials, and deadlines, visit the visual communications program page on WCC's website or contact the Advising and Career Services office or the visual communications program coordinator.

Additional requirements during/after course of study: To be eligible for placement in a cooperative work experience internship, students must maintain a minimum GPA of 2.50 in program courses and demonstrate professional work behavior exhibited through class attendance, punctuality, and timely completion of class assignments.

Dismissal/re-entry regulations: Students must meet the WCC academic standards of progress policy. To re-enter the program, a student must reapply to the visual communications program, following the special application process. A student who is readmitted may be required to repeat certain program courses to update skills to current industry standards.

More information is at **whatcom.edu/viscom**.

Associate of Technical Arts (ATA)-Visual Communications

The visual communications program prepares students for careers in the print, web, and digital media design fields.

Prerequisites (for special admissions programs)		**Units:** 14.0-20.0
ART 112	Drawing I	3.0-5.0
		3.0-5.0
ART 115	2D design	3.0-5.0
OR		
ART 116	3D design	3.0-5.0
ART 185	Introduction to visual communications	5.0
		3.0-5.0
ART& 100	Art appreciation	3.0-5.0
OR		
ART 114	History of graphic design	5.0
OR		
ART 205	Western art from 18th to mid-20th Century	3.0-5.0
OR		
ART 215	Western art from World War II to the present	3.0-5.0
Placement into ENGL& 101		

Core requirements		**Units:** 52.0
VISCM 240	Typography	3.0

VISCM 250	Layout and publication design I	5.0
VISCM 251	Layout and publication design II	5.0
VISCM 260	Vector illustration	5.0
VISCM 262	Advanced digital imaging	5.0
VISCM 270	Print production and prepress	5.0
VISCM 280	Web design and authoring I	5.0
VISCM 282	Web design and authoring II	5.0
VISCM 284	Web content management systems	5.0
VISCM 286	Video production for the web	5.0
VISCM 292	Portfolio/professional practices	2.0
		2.0
VISCM 192	Design lab	2.0
OR		
VISCM 190	Visual communications internship	2.0

General education requirements / related instruction **Units:** 15.0

ENGL& 101	English composition I	5.0
		5.0
BUS 100	Business math	5.0
OR		
CS& 141	Computer Science I Java	5.0
OR		
IDS 112	Ethno mathematics	5.0
OR		
IDS 113	Quantitative methods in the social sciences	5.0
OR		
PHIL& 117	Traditional logic	5.0
OR		
Any course designated as Computation on the Related Instruction List		5.0
		5.0
ANTH& 206	Cultural anthropology	5.0
OR		
PSYC& 100	General psychology	5.0
OR		
SOC& 101	Introduction to sociology	5.0
OR		
CMST OC	Any CMST or CMST& course designated OC	5.0

Electives / cooperative work experience **Units:** 3.0-9.0

		3.0-5.0
ART& 100	Art appreciation	3.0-5.0
OR		
ART 114	History of graphic design	5.0
OR		
ART 118	Mixed media/collage	5.0
OR		
ART 123	Water based media	3.0-5.0

OR		
ART 134	The art of color	3.0-5.0
OR		
ART 175	Printmaking: Relief and monotype	3.0-5.0
OR		
ART 179	2D animation	5.0
OR		
ART 187	Computer art	3.0-5.0
OR		
ART 200	Figure drawing I	3.0-5.0
OR		
ART 205	Western art from 18th to mid-20th Century	3.0-5.0
OR		
ART 215	Western art from World War II to the present	3.0-5.0
OR		
ART 221	Painting	3.0-5.0
OR		
BTEC 101	Introduction to business computing	5.0
OR		
BTEC 121	Word processing I	3.0
OR		
BTEC 122	Business document design	5.0
OR		
BTEC 161	Database management I	3.0
OR		
BTEC 181	Introduction to presentation software	3.0
OR		
BUS 108	Principles of marketing	5.0
OR		
CIS 105	Computer operating systems I	4.0
OR		
CIS 205	Computer operating systems II	5.0
OR		
CS 120	HTML fundamentals	5.0
OR		
VISCM 190	Visual communications internship	3.0-5.0
OR		
BUS 190	Business internship	3.0-5.0
OR		
FILM 101	Introduction to film	3.0-5.0
OR		
IDS 170	Introduction to sustainability	5.0
OR		
IDS 180	Visual media and culture	5.0
OR		
PHIL& 115	Critical thinking	3.0-5.0

Total: 90.0

COURSE DESCRIPTIONS



Course Descriptions

Course designators: Composition communication skills (CC), oral communication skills (OC), quantitative skills / symbolic reasoning skills (QSR), humanities distribution (H), social/behavioral science distribution (SS), math/ science distribution (MS), listed elective (LE), unlisted elective (UE), lab (l), performance (p), Not applicable to associate degrees (N)

ABE-Adult Basic Education

ABE 10 Basic skills math level I (1-10)
Designed for adults who wish to improve their math skills in basic whole numbers. Program Admittance: assessment and orientation by ABE staff. (N)

ABE 11 Basic reading and writing level I (1-10)
This course is for adults with little to no reading or writing skills. It will assist them in learning basic words and writing simple sentences. Program Admittance: assessment and orientation by ABE staff. (N)

ABE 20 Basic skills math level II (1-10)
Designed for adults who wish to improve their math skills in whole number operations. Program Admittance: assessment and orientation by ABE staff. (N)

ABE 21 Basic reading and writing level II (1-10)
This course is for adults with beginning reading or writing skills. It will assist them in learning basic decoding strategies and simple writing. Program Admittance: assessment and orientation by ABE staff. (N)

ABE 30 Basic skills math level III (1-10)
Designed for adults who wish to improve their math skills in problem solving involving decimals and fractions. Program Admittance: assessment and orientation by ABE staff. (N)

ABE 31 Basic reading and writing level III (1-10)
This course is for adults with low intermediate reading or writing skills. It will assist them using reading strategies and paragraph and letter writing. Program Admittance: assessment and orientation by ABE staff. (N)

ABE 36 Educational and career planning (1-5)
This course will guide Transitional Learning Programs students in assessing their skills and interests, in setting goals, and in identifying and accessing resources for a successful transition into college and further training as well as improve their employability and job seeking skills. S/P/U grading. Program Admittance: assessment and orientation by ABE staff. (N)

ABE 37 Prior learning portfolio support (1-5)
This course supports students in the assessment and documentation of prior learning experiences for high school credit. Students will reflect on their prior learning experiences and produce essays, work samples, and other evidence to document competency in high school subject areas. Program Admittance: assessment and orientation by ABE staff. Advisory: ABE 041 with a minimum grade of C (N)

ABE 40 Basic skills math level IV (1-10)
Designed for adults who wish to improve their math skills and carry out tasks involving percent, ratio and proportion, simple formulas, measurement, and graphs in real life situations. Program Admittance: assessment and orientation by ABE staff. (N)

ABE 41 Basic reading and writing level IV (1-10)
This course is for adults with high intermediate reading or writing skills. It will assist students in improving reading strategies and essay writing. Program Admittance: assessment and orientation by ABE staff. (N)

ABE 50 Basic skills math level V - GED (1-10)
This course is for students who have assessed into grade equivalents 9-10 and who need a review of basic math, whole number operations through beginning algebra and geometry, in order to pass the GED test. Content emphasizes math problem solving for application to daily life. Program Admittance: assessment and orientation by ABE staff. (N)

ABE 51 Basic reading and writing level V - GED (1-10)
This basic GED prep course is for adults with basic adult secondary reading or writing skills. It will assist students in improving reading strategies and essay writing. Program Admittance: assessment and orientation by ABE staff. (N)

ABE 56 Introduction to career pathways for ABE students (1-5)
Introduction to Career Pathways for ABE students interested in further study and to enhance job skills. Program Admittance: CASAS test and enrollment in ABE course. (N)

ABE 58 Health career special topics for ABE students (1-4)
Introduction to Health Careers for ABE Students interested in further study and to enhance job skills. Program Admittance: CASAS test and enrollment in ABE course. (N)

ABE 60 Basic skills math level VI - GED (1-10)
This course is for students who have assessed into grade equivalents 11-12 and who need a review of fractions, percents, decimals, ration proportions, basic algebra and geometry in order to pass the GED test. Content emphasizes development of advanced algebra and geometry problem solving skills. Program Admittance: assessment and orientation by ABE staff. (N)

ABE 61 Basic reading and writing level VI - GED (1-10)
This advanced GED prep course is for adults with high adult secondary reading or writing skills. It will assist students in improving reading strategies and essay writing. Program Admittance: assessment and orientation by ABE staff. (N)

ABE 66 Basic skills in business computing for ABE (1-3)
Course designed to enhance student employment skills and technology skills. It will familiarize them with basic skills for word processing and spreadsheets and the vocabulary and reading that are used in college level computing and business courses. Program Admittance: CASAS placement test. (N)

ABE 76 Survey of health careers for ESL students (1-4)
This course will develop literacy skills and enhance employment skills in the health field through study of the various aspects of health careers. Program Admittance: CASAS test and current enrollment in the ABE Program. (N)

ABE 89 Learning contracts (1-12)
Opportunity to earn high school completion credit for independent, individualized learning experiences outside the classroom. Individual contracts developed in high school or GED content areas with a faculty or community resource person. Transitional Learning Program permission required. (N)

ABE 96 Career and education preparation (2-13)
This course provides reading, writing, and/or employment skills preparation for Transitional Learning Programs students. Specific eligibility requirements may apply and program permission is required to register. Program Admittance: assessment and orientation by ABE staff (N)

ACCT-Accounting

ACCT 100 Introduction to accounting (3)
This course is designed to help students learn the fundamentals of accounting as applied to bookkeeping systems of small businesses and professional organizations. (UE)

ACCT 110 Accounting for A/P, A/R, and inventory (5)
A comprehensive course that includes the skills, procedures, and concepts necessary to accurately perform manual and computerized accounts receivable, accounts payable, and inventory bookkeeping tasks. Prerequisite: ACCT 100 with a minimum grade of C or Prerequisite: ACCT& 201 with a minimum grade of C (UE)

ACCT 130 QuickBooks (3)
This course is designed to present accounting concepts and their relationship to QuickBooks by completing transactions for a business. This will be accomplished by recording transactions, preparing a multitude of financial reports, closing an accounting period, compiling charts and graphs, and preparing payroll. Advisory: ACCT 100 with a minimum grade of C or Advisory: ACCT& 201 with a minimum grade of C (UE)

ACCT 190 Accounting internship (1-5)
The student will complete an academic accounting internship that offers experience-based learning, in a structured, supervised, and career-related setting. Measurable internship learning outcomes are collaboratively created by the student, internship supervisor, and faculty mentor. The student will develop professional readiness skills needed for the accounting field. Repeatable with program permission. (UE)

ACCT& 201 Principles of accounting I (5)
Introduction to the theory and principles of the accounting cycle and accounting concepts. Covers typical general journal transactions, posting transactions to the ledgers, principles of adjusting and closing entries, the process of completing the appropriate financial statements, various inventory valuation methods, and cash policies using both manual forms and computerized methods. Prerequisite: MATH 097 or higher Advisory: Basic proficiency in Excel (LE)

ACCT& 202 Principles of accounting II (5)
This course introduces generally accepted accounting principles used in preparing financial statements for a corporation. These principles are learned through various in-class and online exercises, problems, tests and through Excel for various accounting projects. Prerequisite: ACCT& 201 with a minimum grade of C (LE)

ACCT& 203 Principles of accounting III (5)
This course introduces decision tools that managers use in evaluating business plans, controls, and performances, along with basic manufacturing accounting concepts and reports. These tools are learned through various in-class and online exercises, problems, and tests. Prerequisite: ACCT& 202 with a minimum grade of C (LE)

ACCT 250 Governmental/not-for-profit accounting (5)
This course provides a fundamental knowledge of the distinguishing characteristics of not-for-profit and governmental accounting. It covers basic accounting terminology and financial statements, an overview of current FASB and GASB requirements, and discussions of grant management, fund accounting, net asset classifications, and donations. Prerequisite: ACCT& 201 with a minimum grade of C (UE)

ACCT 260 Individual income tax (5)
This course is designed to provide students with a basic understanding of the Internal Revenue Code as it relates to the taxation of individuals. It focuses on taxation methods, principles, and procedures used to assist students in preparing individual income tax returns. Prerequisite: ACCT& 201 with a minimum grade of C (UE)

ACCT 270 Payroll accounting (5)
A comprehensive course that includes the skills, procedures, and conceptual knowledge necessary to accurately perform manual and computerized payroll processing tasks. Prerequisite: ACCT& 201 with a minimum grade of C (UE)

ANTH-Anthropology

ANTH& 100 Survey of anthropology (5)
Introduction to anthropology stressing human origins, cultural diversity, and bio-cultural-ecological adaptations. Topics include human inheritance, evolution, human fossils, prehistoric cultures, and a comparison of resource consumption and economics, human impact on the natural environment, family, politics, values, communication, expressive arts, religion, culture change, and globalization. (SSgs)

ANTH& 104 World prehistory (5)
This is an archaeological course which is a global overview of human history, from our origins to the development of writing and civilization. This worldwide approach compares the dates and the distinctive character of regional progress and how human technology and imagination adapted with various environments. (SSg)

ANTH 140 The ancient Near East (5)
This course is an examination of ancient writings and archaeological excavations to reconstruct the historical and cultural development of the Near East (Mesopotamia, Egypt, Palestine, and Anatolia). Topics include: the ancient environments, the first farmers and herders, ancient sites and artifacts, the invention of writing and warfare, and the origins and expansion of civilizations and empires. (SSg)

ANTH 150 Northwest coast ethnobotany (5)
Study of native plants in Northwest Coast Indian cultures. Includes sessions on plant biology, plant identification, and traditional Indian uses of plants for food, medicine, and materials. Field trips included. (SSd)

ANTH& 200 Introduction to language (5)
This course is an overview of the study of language. Topics include the nature of human language, its social aspects, the psychology of language, and the grammatical aspects of language: phonetics, morphology, syntax, semantics, dialects, language diversity, and the biological basis of language. Placement: ENGL& 101 (SSw)

ANTH& 204 Archaeology (5)
Between the history of archaeology and the problems faced today, this course examines the theories and methods used to interpret what's left of the world's lost cultures. Topics include: how artifacts are dated, how people used technology to survive in different environments, how they organized their societies, and how they developed their ideologies. (SSs)

ANTH& 205 Biological anthropology (5)
A basic understanding of the evolution of the human species from a biological perspective. Human adaptation through the interaction of biology and culture is a primary focus for this course. Students will gain an understanding of the principles of genetics, primate behavior, primate and human fossils, early prehistoric cultures, and human variation and adaptation. Either ANTH& 205 or 215 may be taken for credit, not both. (MSs)

ANTH& 206 Cultural anthropology (5)
This course is a study of culture and society with a cross-cultural perspective of human adaptation to the bio-cultural environment. Topics include technology, resource consumption and economics, medicine, family, social groups, political systems, religion, expressive arts, language, values, culture change, human impact on the environment, and globalization. Placement: ENGL& 101 (SSwdgs)

ANTH& 210 Indigenous Peoples of North America (5)
A survey of North American Indigenous peoples emphasizing cultural-ecological adaptations from prehistoric times to the present. Topics include: survival of traditional cultures through analyses of prehistory, languages, traditional land use, sustaining natural resources, social organization, religions, values, arts, and culture change. Special consideration given to Northwest Coast and Northwest Plateau peoples. (SSds)

ANTH& 215 Bioanthropology with lab (5)
An exploration of the evolution of the human species from a biological perspective, considering interrelationships of biology and culture, principles of genetics, primate behavior, primate and human fossils, early prehistoric cultures, and human variation/adaptation. Lab work included. Either ANTH& 205 or 215 may be taken for credit, not both. (MSsl)

ANTH& 216 Indigenous Peoples of the northwest coast (5)
An anthropological overview of the unique cultural-ecological adaptations of coastal peoples from Oregon to southern Alaska. Topics include: cultural-ecological adaptations, languages, traditional land use, sustaining natural resources, social organization, religious beliefs and values, art, historic changes and adaptations, and modern issues. Particular emphasis on Salish people of Northwest Washington. (SSds)

ANTH 225 Psychological anthropology (5)
The study of the relationship between mind and culture. Topics include the evolution of human behavior, a cross-cultural analysis of ritual, gender, emotion, belief systems, and of perception and treatment of mental health issues including depression, schizophrenia, and "culture-bound syndromes". Examines the impact of mental health's global importance in Western and non-Western health industries. Prerequisite: placement in ENGL& 101 Advisory: ANTH& 100 or Advisory: ANTH& 205 or Advisory: ANTH& 206 (SSwdg)

ANTH& 235 Cross cultural medicine (5)
Introduction to medical anthropology. Explores the occurrence of disease, illness concepts and approaches to healing in other cultures, and considers health care options in the United States including ethnic traditions and newer alternatives. (SSg)

ANTH 250 Applied anthropology (5)
This course uses anthropological research methods to understand social challenges and to contribute to structural solutions. The course is based around a case study of a specific social issue, which may include (but not be limited to) homelessness, veteran's issues, repatriation, immigration, etc. Class incorporates historical, political and economic factors into a comprehensive view of local and national social issues. The course is writing intensive and demands critical thinking. Class includes a fieldwork component in which students will use anthropological research methods and write an ethnographic study. Placement: ENGL& 101 (SSwd)

ANTH 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in Anthropology. Program Admittance: acceptance into the Honors Program. (SSMS)

ART-Art

ART& 100 Art appreciation (5)
Approach to art appreciation designed to develop an understanding of visual art forms, and to develop the vocabulary necessary to discuss them. Content will focus on issues and concepts in contemporary art. Topics include the purpose and function of art, creative process, visual and design elements that go into the making of art. Placement: ENGL& 101 (Hw)

ART 106 Art of the Pacific Northwest Native Americans (3)
This course examines the art of the seven major language groups between Puget Sound and Alaska, considered from the standpoints of original use, meaning, style, and construction method. Slide lectures, discussion, outside readings, films, and a field trip are integral parts of the class. (Hd)

ART 107 Art in world cultures (5)
Non-historical investigation of art forms and aesthetics in both western and non-western cultures as a means of gaining insight into the motivations for and the meaning of art in various parts of the world. Placement: ENGL& 101 (Hwdg)

ART 112 Drawing I (3-5)
Theory and practice of drawing in various mediums with a range of subject and of aesthetic approaches. Emphasis on studio work integrated with slides, lecture, discussion, and out-of-class work. (Hp)

ART 114 History of graphic design (5)
History of graphic design and illustration from ancient culture through the present with an emphasis on early twentieth century to current concepts and trends. Placement: ENGL& 101 (Hwg)

ART 115 2D design (5)
In this hands-on studio art course, students will gain the foundational knowledge and skills used in 2-dimensional art and design fields such as drawing, painting, printmaking, and visual communications. Topics include the creative process, 2-dimensional concepts, design elements and strategies, and composition. Students will focus on individual projects, working directly with a variety of basic tools, materials, and processes common to 2-dimensional design fields. Students will learn to use supportive critique strategies to discuss their own work and the work of their peers. (Hp)

ART 116 3D design (5)
In this hands-on studio art course, students will gain the foundational knowledge and skills used in 3-dimensional art and design fields such as sculpture, architecture, and crafts. Topics include the creative process, 3-dimensional concepts, design elements and strategies and composition. Students will work directly with a variety of traditional studio art tools, materials and processes which may include digital design and digitally guided tools. Students will use supportive critique strategies to discuss their own work and the work of their peers. (Hp)

ART 118 Mixed media/collage (5)
Introduction to collage methods and materials through the use of traditional and non-traditional media. Emphasis on the elements of design and composition as applied to various studio projects. Explores the history and use of collage by 20th century artists. Recommended preparation: prior drawing or painting experience. (Hp)

ART 123 Water based media (5)
Introduction to water based media and materials through the use of traditional and non-traditional techniques. Media will include watercolor, gouache, and acrylic painting. Emphasis on techniques, color theory, and application; and the elements of color, light, and composition, as applied to various studio and possibly on-site (outdoors) projects. Explores the history and use of water-based media by traditional and contemporary artists. (LE)

ART 130 Ceramics I (5)
In this hands-on studio art course, students will gain the foundational knowledge and skills used to create pottery and sculptural forms from clay. Instruction and individual projects focus on clay hand-building and surface decorating techniques. Students will also gain basic knowledge of ceramic materials and firing processes. Students will learn to use supportive critique strategies to discuss their own work and the work of their peers. (Hp)

ART 131 Beginning throwing (5)
Students will learn throwing techniques and use these skills to create both vessels and sculpture. There will be opportunities to do hand building work, but this will not be the emphasis of this class. There will be both group and individual critiques of the work. (Hp)

ART 134 The art of color (5)
Principles of color theory and application, with an emphasis placed on objective color principles and individual subjective responses towards color. Includes studio work, lectures, historical research, critiques, and out-of-class work. (Hp)

ART 150 History of photography: 1839 to the present (5)
This course surveys the history and evolving properties of photography as a cultural language and as an art-making tool. It will focus on each of the present and past uses of the medium including illustration, documentation, portraiture, landscape, advertising, journalism, reportage, fine art and digital imagery. Placement: ENGL& 101 (Hwg)

ART 155 Art for children (3)
Explore the development of creativity and stages of artistic growth in children. Plan integrated curriculum, carry out lesson plans, identify resources, and observe guidance techniques. (LE)

ART 160 Sculpture (5)
In this hands-on studio art course, students will gain the foundational knowledge and skills used in sculpture as they create expressive projects. Topics include the creative process, 3 dimensional concepts, sculpture's historical roots, and contemporary practices. Students will learn how to work with a variety of basic tools, materials, and processes with a primary focus on hands-on studio-based skills. (Hp)

ART 175 Printmaking: Relief and monotype (5)
Introduction to printmaking concepts and methods. Covers relief print processes (woodcut and linocut) and monotype prints. Emphasis on studio work supplemented with slides, lectures, and group discussions. (Hp)

ART 176 Printmaking: Etching I (5)
Introductory methods of incising and etching copper plates to create printable images, using an etching press. Techniques covered include drypoint, line etching, and tonal etching. For beginning and experienced artists. Advisory: ART 112 (Hp)

ART 179 2D animation (5)
This course is an introduction to principles and practice of animation using 2D animation software. It covers concept and story development, storyboarding, and animation concepts and techniques based on observation, timing, motion, and transformation. Advisory: Prior drawing or computer art experience (Hp)

ART 185 Introduction to visual communications (5)
This course examines the principles and practice of visual communications. Includes the design process, layout, basic web design, and preparation of art and copy for reproduction. It introduces the basics of graphics software (page layout, illustration, web design, and image editing) as tools of the design process. (Hp)

ART 186 Introduction to digital video (5)
This course is an introduction to concepts and techniques of digital video film-making. The course covers: story development, basic equipment operation, lighting and audio, video composition and aesthetics, visual storytelling, non-linear video editing, and media law and ethics. (Hp)

ART 187 Computer art (5)
Exploration of the use of computer technology for creating fine art and illustrations. The software used simulates traditional drawing and painting media. Emphasis will be on the technical use of software tools as well as the content and aesthetics of image making. Recommended preparation: prior basic drawing course. (Hp)

ART 200 Figure drawing I (5)
Study in drawing the human figure from live models as well as other sources, using various media. Preferable to have had some experience in general drawing. Prerequisite: ART 112 (LE)

ART 201 Figure drawing II (5)
Study in drawing the human figure from live models as well as other sources, using various media. Preferable to have had some experience in general drawing. Prerequisite: ART 200 (LE)

ART 202 Figure drawing III (5)
Study in drawing the human figure from live models as well as other sources, using various media. Preferable to have had some experience in general drawing. Prerequisite: ART 201 (LE)

ART 203 History of Western art: Ancient and medieval (5)
Historical development of painting, sculpture, and architecture from prehistory through the medieval period. Focus on Europe, the Near East and North Africa. Placement: ENGL& 101 (Hwg)

ART 204 Western art from 15th through 18th century (5)
Historical developments in painting, sculpture, and architecture from the end of the medieval period through the 18th century. Focus on European and Near Eastern art. Placement: ENGL& 101 (Hwg)

ART 205 Western art from 18th to mid-20th Century (5)
Historical developments in Western art from the 18th century to the mid-20th century. Focus on European and American art. Placement: ENGL& 101 (Hwg)

ART 206 Far eastern art history (5)
Historical study of the art and architecture of Asia from prehistory to the 18th century with an emphasis on China and Japan. (Hg)

ART 212 Drawing II (5)
Theory and practice of drawing in various mediums with a range of subject and of aesthetic approaches. Emphasis on studio work integrated with slides, lectures, discussions, and out-of-class work. Prerequisite: ART 112 (LE)

ART 215 Western art from World War II to the present (5)
Historical developments in Western art From World War II to the present. Focus on European and American art. Prerequisite: placement in ENGL& 101 (Hwg)

ART 221 Painting (5)
An introductory studio art course that explores the fundamentals of painting. Students will gain knowledge of color theory, experiment with various mediums and develop a variety of painting techniques to create their own artwork. Prerequisite: ART 112 (Hp)

ART 222 Intermediate painting (5)
An intermediate painting course that explores painting through the lens of theory and practice. This course is a continuum of Painting 221, with a continued focus on developing a personal voice and exploring a variety of painting methods through research. Prerequisite: ART 221 or Prerequisite: permission of instructor. (LE)

ART 223 Advanced painting (3-5)
Advanced studio work in painting using oils and acrylics. Studio work integrated with slides, lectures, and discussions of both theory and practice. Out of class time required. Prerequisite: ART 222 (LE)

ART 230 Ceramics II (5)
Advanced theory, history, aesthetics, and practice of ceramics using various hand building methods and the wheel. Emphasis on studio work integrated with slides, films, lectures, critiques, discussions, and out-of-class work. Prerequisite: ART 130 or Prerequisite: ART 131 (LE)

ART 231 Ceramics III (5)
Advanced theory, history, aesthetics, and practice of ceramics using various hand building methods and the wheel. Emphasis on studio work integrated with slides, films, lectures, critiques, discussions, and out-of-class work. Prerequisite: ART 230 (LE)

ART 276 Printmaking: etching II (5)
Having been introduced to basic methods of etching in Art 176, students can design images with specific techniques in mind, and expand upon their knowledge by learning more complex etching methods. Techniques covered include mezzotint, sugarlift, softground, spitbite, and whiteground etching. Prerequisite: ART 176 (Hp)

ART 295 Honors program special topics seminar (2)
Reading, writing, discussion and oral presentations designed to develop in-depth, advanced level knowledge of a topic in art. Program Admittance: acceptance into the Honors Program. (H)

ASL-American Sign Language

ASL& 121 American sign language I (5)
Introduction to ASL, a visual/gestural language. Emphasis on vocabulary, grammar and Deaf culture/history. (Hd)

ASL& 122 American sign language II (5)
A continuation of the study of ASL, a visual/gestural language. Emphasis on increasing vocabulary and grammar as well as a more in-depth look at Deaf culture and history. Prerequisite: ASL& 121 (Hd)

ASL& 123 American sign language III (5)
Continuation of study of ASL, a visual/gestural language. Emphasis on grammatical structure and syntax as well as a more in-depth look at Deaf culture and Deaf issues. Prerequisite: ASL& 122 (Hd)

BIOL-Biology

BIOL& 100 Survey of Biology (5)
Fundamental concepts of biology including biodiversity, process and application of science, intersections of science and society, ecological principles, and genetics. For non-science majors. Lab work included. Placement: in ENGL&101 (MSwl)

BIOL 104 Finding things out: Biology (5)
Part of a three quarter set of courses using extensive hands-on and inquiry-based activities to help students understand a few central ideas in biology regarding the flow of energy and matter. Students will develop critical thinking skills required to pursue scientific understanding of important ideas in biological systems. Preferred sequence is PHYSC 104, GEOL 104, and BIOL 104. Lab work included. Advisory: PHYSC 104 and Advisory: GEOL 104 (MSl)

BIOL 133 Natural science of Australia and New Zealand (5)
Focuses on the ecology of Australia and New Zealand, including ecosystems and human impact on ecosystems. The biodiversity, characteristics, and interactions of Australian flora and fauna will also be investigated within various habitats and ecosystems. A significant portion of the course will involve field observations and experiences. This course is offered only to students participating in the Australia/New Zealand study abroad program and does not meet the lab requirement. (MSg)

BIOL 159 Marine biology (5)
Studies basic biological principles applied to the marine environment. Topics include: organic molecules, the behavior of water, cellular functions, the diversity in structure, function and ecology of marine organisms, and human impact on the oceans. Lab work and local field trips included. Placement: ENGL& 101 (MSsl)

BIOL& 160 General biology with lab (5)
This is an introductory laboratory course in biology emphasizing the structural and functional analysis of cellular biology. Includes cell structure and function, energy production and utilization, reproduction, growth and development, genetics, and cell signaling and regulation. Lab work included. Placement: in ENGL&101 and Prerequisite: CHEM& 121 or Prerequisite: CHEM& 161 or Co-requisite: CHEM& 121 or Co-requisite: CHEM& 161 (MSwl)

BIOL& 175 Human biology with lab (5)
An introductory exploration of the human body stressing structure and function of body systems along with unifying principles of homeostasis, nutrition, genetics, and disease. This course may be helpful as an exploratory course for students who are considering a career in the health sciences. Placement: ENGL& 101 (MSl)

BIOL& 221 Majors ecology/evolution (5)
This course is designed to prepare the student for further studies in the field of biology or related fields. Basic information about evolution, genetics, biodiversity of life forms, and ecology will be taught and assessed. This is the first in a three-quarter sequence for biology majors. Placement: ENGL& 101 Prerequisite: CHEM& 161 prior or concurrent enrollment in (MSwl)

BIOL& 222 Majors cell biology/molecular (5)
This course is designed to prepare the student for further studies in the field of biology or related fields. It covers basic information about cell metabolism, biological molecules, structure and function of cells, gene regulation, and development in plants and animals. Placement: ENGL& 101 Prerequisite: CHEM& 161 with a minimum grade of C- and Prerequisite: BIOL& 221 with a minimum grade of B- (MSwl)

BIOL& 223 Majors organismal physiology (5)
This course is designed to prepare the student for further studies in the field of biology or related fields. Basic information about the structure and functions of living organisms will be taught and assessed. This is the third in a three-quarter sequence for biology majors. Placement: ENGL& 101 Prerequisite: BIOL& 222 with a minimum grade of B- (MSwl)

BIOL& 241 Human anatomy and physiology 1 (5)
In-depth study focusing on the structure and function of the various components of the human body systems from the cellular level up to the organ system level. Abnormal or pathological conditions of these systems also covered. Laboratory exercises focus on the structures as well as the physiology of the systems covered in the lecture portion of the course. Prerequisite: BIOL& 160 with a minimum grade of B- or Prerequisite: BIOL& 222 with a minimum grade of B- and Prerequisite: CHEM& 121 with a minimum grade of C or Prerequisite: CHEM& 161 with a minimum grade of C (MSl)

BIOL& 242 Human anatomy and physiology 2 (5)
Continuation of the structure and function of the human body systems with laboratory exercises designed to enhance the knowledge acquired in the lecture. Prerequisite: BIOL& 241 with a minimum grade of C (MSPBl)

BIOL& 260 Microbiology (5)
This course is designed for health science and biological science majors. Topics include: cellular structure and function, nutrition, growth, metabolism, genetics, systematics, defenses against microbes, and pathogenicity, as well as laboratory exercises involving culture techniques, identification, environmental influences, and mechanisms of microbial control. Placement: ENGL& 101 Prerequisite: BIOL& 160 with a minimum grade of B- or Prerequisite: BIOL& 222 with a minimum grade of B- and Prerequisite: CHEM& 121 with a minimum grade of C or Prerequisite: CHEM& 161 with a minimum grade of C (MSI)

BIOL 295 Honors program special topics seminar (2)
Reading, writing, discussion and oral presentations designed to develop in-depth, advanced level knowledge of a topic in biology. Program Admittance: acceptance into the Honors Program. (MS)

BTEC-Business Technology

BTEC 101 Introduction to business computing (5)
This course is an introduction to Microsoft PowerPoint, Word & Excel programs used in the business environment. Prerequisite: MATH 087 or Prerequisite: MATH 097 or concurrent enrollment or permission of instructor. (UE)

BTEC 103 Beginning keyboarding & computer skills (3)
An introductory class in computer technology: beginning keyboarding (minimum 20 words per minute), and entry level skills in computer software, hardware, file management, and the internet. Advisory: ESOL 115 (UE)

BTEC 104 Advanced keyboarding & Microsoft Outlook (3)
Advanced skill building in keyboarding and 10-key. In-depth study of PIM (personal information manager) software using Microsoft Outlook: e-mail, calendar, contact manager, and note taking. Prerequisite: BTEC 103 with a "C" grade, or ability to type at minimum 20 words per minute with good keyboarding technique. (UE)

BTEC 121 Word processing I (3)
Introductory course in word processing. Covers basics of document creation, formatting, and editing; introduces "styles", graphics, various types of standard formats. Advisory: BTEC 101 (UE)

BTEC 122 Business document design (5)
Advanced word processing and business document design techniques. Prerequisite: BTEC 121 (UE)

BTEC 141 Spreadsheets I (3)
Introductory course in spreadsheets. Covers basics of spreadsheet creation, formatting, and editing; introduces numeric data analysis tools (functions), graphs, tables and arrays. Prerequisite: BTEC 101 (UE)

BTEC 142 Spreadsheets II (5)
In-depth examination of the spreadsheet tools. Introduces advanced techniques and provides hands-on practice to solve spreadsheet problems. Prerequisite: MATH 099 or Prerequisite: BUS 100 Prerequisite: BTEC 101 5 credit version or Prerequisite: BTEC 141 (UE)

BTEC 161 Database management I (3)
Introductory course in databases. Covers basics of database creation including tables, forms, queries, and reports; introduces database management tools such as sorting, querying, and calculating. Prerequisite: BTEC 101 (UE)

BTEC 181 Introduction to presentation software (3)
Introductory course in presentation software. Covers basics of presentation creation, revision, enhancement and delivery. Includes tips and tricks for ease in public speaking. Prerequisite: BTEC 101 (UE)

BUS-Business

BUS 100 Business math (5)
Mathematical applications in business involving word problems. Advisory: MATH 097 (UE)

BUS& 101 Introduction to business (5)
Covers the role of business in modern economy and topics related to internal operations of a business and opportunities in business. Advisory: ENGL& 101 Placement (SS)

BUS 102 Business ethics (3)
This is an introductory course exploring factors which influence ethical or unethical behavior. Required elements include written articles/case studies, oral presentations, and quizzes. Placement: ENGL& 101 and Prerequisite: BUS& 101 (UE)

BUS 108 Principles of marketing (5)
Introductory course covering marketing strategy, current ethical issues, market research, segmentation, buyer behavior, product development, pricing decisions, distribution, and integrated marketing communications. Prerequisite: BUS& 101 or Prerequisite: concurrent enrollment or permission of program coordinator. (UE)

BUS 109 Digital marketing (5)
Provides an overview of digital marketing concepts and tools. Working with community businesses and/or nonprofit agencies, students will apply what they are learning by developing digital marketing materials that fit in with existing integrated marketing campaigns. (UE)

BUS 110 Social Media Marketing (5)
Explore how social media impacts business practices and marketing strategy. The course explores best practices for using social media platforms to build customer relationships and generate business. Develop strategies for establishing an effective social media presence for your organization while also learning the rules of engagement. (UE)

BUS 111 Retail management (5)
Introductory course examining the role of retailing in today's economy. Topics include consumer targeting and behavior, effective operations, integrated marketing communications. Merchandising, store layout, design, and image. Advisory: BUS& 101 or Advisory: permission of instructor. (UE)

BUS 113 Sales and promotion (3)
Introductory course covering personal and telephone selling, sales management and training, and product promotion/advertising. Advisory: BUS 108 (UE)

BUS 114 Search Engine Marketing (5)
This course provides an introduction to search marketing. This course will focus on using search marketing to promote a website through both search engine optimization (SEO) and search advertising. You will learn how to use search engine optimization to improve a website ranking in search engine results pages (SERPs) using "organic" means, such as web page content and design, web site structure, and attracting links from other websites. In addition, this course explores how to use search advertising or pay-per-click (PPC) to attract traffic to a website from search engines by matching advertisements with key search terms (i.e., keywords or key phrases). You will learn that the end game of website promotion is to maximize conversions, such as purchasing a product or service, signing up for a news letter, and so on. (UE)

BUS 125 Leadership and relationship building (3-5)
This course is designed for students to deepen their understanding of their own leadership abilities. Learning how they can interact in the work setting, with groups they serve and their community. Developing a deeper professional sense and taking ownership of what they bring to their work and those they serve. (UE)

BUS 140 Business research and communication (3)
Application of research and writing activities to enhance knowledge of the business profession and environment using APA writing style and completing both oral and written communication projects using PowerPoint, Word, Excel, and other formats that would be useful in a professional arena. Recommended preparation: BUS& 101 or general business knowledge. Placement: ENGL& 101 and Advisory: BUS& 101 or Advisory: general business knowledge. (UEw)

BUS 170 Customer service for professionals (3)
Designed to help students understand the needs and requirements for superior customer service. Customer service forms the basis for how we do our jobs with the objective of exceeding the expectations of our customers. Topics covered include defining customer service, basic communication techniques, customer relations, problem solving, conflict resolution, and anger and stress management. Placement: ENGL& 101 or permission of program coordinator (UE)

BUS 190 Business internship (1-5)
The student will complete an academic internship that offers experience-based learning, in a structured, supervised, and career-related setting. Measurable internship learning outcomes are collaboratively created by the student, internship supervisor, and faculty mentor. The student will develop professional readiness by fostering skills necessary to work in the business field. Repeatable with program permission. Co-op courses above 5 credits may be arranged with permission from the co-op coordinator. (UE)

BUS& 201 Business law (5)
This course examines the principles of law as they apply to business, including history, contracts, law of agencies, rights and duties of employer and employee, negotiable instruments, insurance, personal property, bailments, conditional sales, partnerships, corporations, real property, and security relations. Advisory: BUS& 101 (SS)

BUS 212 Marketing Research (5)
This course provides a detailed study of the role and process of marketing research. This course covers the ethics of marketing research, designing research studies, measurement, sampling and statistical theory including basic data analytics. Students learn the methods of gathering data to make marketing decisions, using various tools to develop questionnaires, set up focus groups, and analyze data for marketing decision-making. (UE)

BUS 215 Digital Marketing Campaign (5)
This course allows you to identify an organization's target market and the social media portals where they participate; set measurable goals; design innovative strategies, select appropriate social media portals, craft compelling content to attract and influence the intended audience, monitor and measure progress. Prerequisite: BUS 110 Prerequisite: BUS 114 (UE)

BUS 216 Marketing Strategy (5)
Marketing Strategy will teach students to think and act like marketers and disruptors in a dynamic, fast-paced environment. Strategic marketing management is presented in the context of the social, economic, and technological arenas in which businesses function today. The class is integrated with current events and examples that illustrate the need for marketers to think proactively and anticipate change. Prerequisite: BUS 212 with a minimum grade of C- (UE)

BUS 222 Human relations in business (3)
An introduction to Human Relations in the workplace. Communication skills, conflict resolution, power, politics, ethics, and team dynamics are presented and analyzed. Current research and theories of behavioral sciences and communications are applied to workplace situations. (UE)

BUS 223 Principles of management (5)
Fundamental principles of management as applied to business enterprise. Actual business cases are studied and discussed amongst students by applying business management principles. Advisory: BUS& 101 (UE)

BUS 230 Human resource management (5)
Introductory human resource management course covering activities and issues confronted by management when planning and forecasting personnel needs of organizations. Examines equal employment opportunity, affirmative action, diversity issues, staffing, training and development, compensation and benefits, labor/management relations, and health/safety. Advisory: placement in ENGL& 101 (UEd)

BUS 231 Human relations in human resources (5)
This class will cover human relations, improving personal and organizational communication, team building, work related stress, workforce diversity & inclusion, motivation, and personal strategies for improving human relations. Placement: ENGL& 101 and Advisory: BUS 230 with a minimum grade of C- (UEd)

BUS 250 Introduction to business analytics (5)
Introduction to Business Analytics provides students with the fundamental concepts and tools needed to understand the emerging role of business analytics in organizations. Students will learn to identify, evaluate, and capture business analytic opportunities that create value and use those opportunities to make better business decisions. Placement: ENGL& 101 and Prerequisite: MATH& 146 with a minimum grade of C (UE)

BUS 295 Honors program special topics seminar (2)
Reading, writing, discussion and oral presentations designed to develop in-depth, advanced level knowledge of a topic in business administration. Program Admittance: acceptance into the Honors Program. (SS)

BUS 301 Professional readiness & communication (5)
This course focuses on several self-evaluation tools, academic preparation and skills for success in program coursework and career readiness. This course includes strategies for ethically and socially responsible decision making, applying organizational behavior principles in different business contexts and uses leadership and teamwork skills to resolve interpersonal and organizational challenges. Program Admittance: Acceptance into the BAS-Applied Business Management program or permission of BAS program coordinator. (N)

BUS 302 Project management (5)
This course examines the role of project management in a business or corporate environment. Students learn how to achieve project goals and objectives within set constraints, such as time and budget. Topics include: project management frameworks and processes and their application to a project. Students learn to apply knowledge and skills to effectively initiate, plan, execute, and complete projects. Program Admittance: Acceptance into the BAS-Applied Business Management program or permission of BAS program coordinator. (N)

BUS 303 Compliance and auditing (5)
This course covers the standard rules, regulations, and issues related to business management compliance with applicable laws and regulations. Topics include the role of the auditor, the legal environment for the auditor, compliance requirements and standards, and strategies for achieving and maintaining compliance with applicable laws and regulations. Program Admittance: Acceptance into the BAS-Applied Business Management program or permission of BAS program coordinator. (N)

BUS 310 Foundations of management (5)
This course will focus on the management functions of Planning, Organizing, Leading, and Monitoring. Topics include: decision making of leaders; the role of communication in motivation and teamwork; formal and informal leadership and sources of power; strategic management and planning, organizational mission and vision; and strategies for measuring results. Program Admittance: Acceptance into the BAS-Applied Business Management program or permission of BAS program coordinator. (N)

BUS 330 Human resources for managers (5)
This course examines the major trends and best practices in human resource management, including challenges faced by organizations and individuals in times of change. HR management is more than just accepting employment applications and keeping records; it is a central and strategic organizational activity of increasing complexity and importance. Program Admittance: Acceptance into the BAS-Applied Business Management program or permission of BAS program coordinator. (N)

BUS 340 Marketing for managers (5)
Through a look at the history of marketing and advertising, this course will explore past and present ethics in the industry. Students will use market research techniques to analyze and evaluate trends in a simulated environment, understand the marketing mix, develop and implement marketing concepts and plans, and evaluate results. Program Admittance: Acceptance into the BAS-Applied Business Management program or permission of BAS program coordinator. (N)

BUS 370 Management information systems (5)
Explores the role of technology in management, including current professional practices and methodologies. Topics include: technology innovation and strategy for managers and entrepreneurs including understanding technological change, innovations, and strategy. The lab portion of the course covers queries, reports, filters in database systems, and spreadsheet applications. Program Admittance: Acceptance into the BAS-Applied Business Management program or permission of BAS program coordinator. (N)

BUS 380 Operations management (5)
This course examines the concepts for designing, planning and improving service and other organizations through optimization of supply chain. Topics include enterprise resource planning, forecasting, queuing models, inventory management, lean manufacturing and total quality control. Program Admittance: Acceptance into the BAS-Applied Business Management program or permission of BAS program coordinator. and Prerequisite: MATH& 146 with a minimum grade of C- (N)

BUS 400 Private enterprise, profit and social justice (5)
Study private enterprise in the broader context of institutions and processes in society and consider issues of social justice that fall within the scope of business management. Exploring the benefits and costs to society of businesses. As well as how implicit bias shape management practice and contribute to opportunity? Program Admittance: Acceptance into the BAS-Applied Business Management program or permission of BAS program coordinator. (N)

BUS 420 Business strategy and sustainability (5)
After defining and identifying sustainable strategies in business through simulations and/or case studies, students will consider what drives sustained performance and examine organizational competence. Students will also explore how legal and contractual elements relate to business sustainability, the role of strategic planning, and how organizational systems can influence finances. Program Admittance: Acceptance into the BAS-Applied Business Management program or permission of BAS program coordinator. (N)

BUS 450 Financial management (5)
Students learn to develop insight and provide experience in the application of financial theory and practice. Topics include: financial statement analysis, the time value of money, the cost of capital, dividend policies, and working capital. Program Admittance: Acceptance into the BAS-Applied Business Management program or permission of BAS program coordinator. and Prerequisite: ACCT& 202 with a minimum grade of C (N)

BUS 460 Organizational leadership & teamwork (5)
Explore work groups and teams, dynamics involved in collaboration and development of effective teams. Students will discuss and develop tools used to hold team members accountable and effective. Listening, giving and receiving feedback, communication, inclusion and acceptance, and how organizational structure and culture influence these areas will also be explored. Program Admittance: Acceptance into the BAS-Applied Business Management program or permission of BAS program coordinator. (N)

BUS 495 Business capstone (5)
Incorporate what you've learned, through project-based learning. This will include: business research and identifying opportunities; project planning and management; human resource management; communication and teamwork; business technology and its role in management; ethics, inclusion, and social justice; financial and operations management; and an exploration of management and leadership. Program Admittance: Acceptance into the BAS-Applied Business Management program or permission of BAS program coordinator. (N)

CHEM-Chemistry

CHEM 104 Finding things out: Chemistry (5)
Part of a three-quarter set of courses using extensive hands-on and inquiry-based activities to help students understand a few central ideas in chemistry regarding the flow of energy and matter. Students will develop critical thinking skills required to pursue scientific understanding of important ideas in chemical systems. (MSI)

CHEM& 110 Chemical concepts with lab (5)
Intended for non-science majors. General survey of chemistry covering a broad outline of certain pertinent concepts and the impact of chemistry in our daily lives and the world around us. Lab work included. Prerequisite: MATH 097 (MSI)

CHEM& 121 Introduction to chemistry (5)
This is an introductory course open to students without previous background in chemistry. This course provides an introduction to the nature of atoms and molecules, chemical notation, scientific reasoning, problem solving in the study of the theory, and applications of inorganic chemistry. Lab work included. Prerequisite: MATH 099 with a minimum grade of C- (MSI)

CHEM& 131 Introduction to organic/ biochemistry (5)
This course is a survey of organic chemistry and an introduction to biochemistry, satisfying allied health program requirements. Topics include: the study of structure, nomenclature, and reactions of organic and biological compounds with applications to living systems. Lab work included. Prerequisite: CHEM& 121 or Prerequisite: CHEM& 161 Prerequisite: prior biology course. (MSI)

CHEM& 161 General chemistry with lab I (5)
First of a three-course sequence designed for science, engineering, and other majors needing a full year general chemistry sequence. Covers basic principles of modern chemistry, structure of atoms, chemical reactions, stoichiometry, bonding, and molecular geometry. Lab work included. Prerequisite: MATH& 141 with a minimum grade of C Advisory: CHEM& 121 or Advisory: one year of High School Chemistry. (MSI)

CHEM& 162 General chemistry with lab II (5)
Second of a three-course sequence designed for science, engineering, and other majors needing a full year general chemistry sequence. Covers gases, thermochemistry, states of matter, solution chemistry, kinetics, and chemical equilibrium. Lab work included. Prerequisite: CHEM& 161 with a minimum grade of C (MSI)

CHEM& 163 General chemistry with lab III (5)
Third of a three-course sequence designed for science, engineering, and other majors needing a full-year general chemistry sequence. Covers acids, bases, acid-base equilibria, solubility and complex-ion equilibria, thermodynamics and equilibrium, electrochemistry, and special topics. Lab work included. Prerequisite: CHEM& 162 with a minimum grade of C (MSI)

CHEM& 261 Organic chemistry with lab I (5)
First course for students planning to take three quarters of organic chemistry. Material covered includes: structures and shapes, nomenclature, reactions, physical properties of organic compounds, and synthesis. Lab work included. Prerequisite: CHEM& 163 (MSI)

CHEM& 262 Organic chemistry with lab II (5)
Second course for students planning to take three quarters of organic chemistry. Further discussion of physical properties, identification by spectroscopic techniques, and transformations of organic molecules, including aromatic and carbonyl compounds. Lab work included. Prerequisite: CHEM& 261 (MSI)

CHEM& 263 Organic chemistry with lab III (5)
Third course for students planning to take three quarters of organic chemistry. Further discussion on carbonyl compounds and their reactions, polyfunctional compounds, natural products including carbohydrates, lipids, amino acids, proteins, and nucleic acids. Lab work included. Prerequisite: CHEM& 262 (MSI)

CHEM 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in chemistry. Program Admittance: acceptance into the Honors Program. (MS)

CHIN-Chinese

CHIN& 121 Chinese I: Mandarin (5)
Introduction to pronunciation, basic structure, and writing system of Mandarin Chinese; emphasis on developing elementary skills in speaking, listening, reading and writing; introduces elements of Chinese culture, and prepares students for Chinese 122. (Hg)

CHIN& 122 Chinese II: Mandarin (5)
Continuation from CHIN& 121. Continues to develop basic skills in speaking, listening, reading and writing in Mandarin Chinese through communication-oriented activities; provides a broader introduction to Chinese culture, and prepares students for Chinese 123. Prerequisite: CHIN& 121 with a minimum grade of C- (Hg)

CHIN& 123 Chinese III: Mandarin (5)
Continuation from CHIN& 122. Completes the basic foundation skills in speaking, listening, reading and writing in Mandarin Chinese through everyday social topics and vocabulary; continues to build a deeper understanding of Chinese culture, and prepares students for second-year Chinese. Prerequisite: CHIN& 122 with a minimum grade of C- (Hg)

CIS-Computer Information Systems

CIS 100 Computer literacy (3-5)
This course is an introduction to the practical application of computers and communication technology. Topics include the major components of computer systems, user interfaces, applications, networking, and societal issues surrounding computing, including ethics, privacy, security, and sustainability. (UEs)

CIS 104 Unmanned aircraft systems (UAS) piloting (3)
This course will teach students about how to pilot an Unmanned Aircraft System (UAS) and proper safety guidelines. Students will learn applicable regulations relating to small UAS rating privileges, limitations, flight operation and more. Prerequisite: ENGL& 101 with a minimum grade of C or Prerequisite: permission of program coordinator Advisory: MATH 098 with a minimum grade of C (UE)

CIS 105 Computer operating systems I (4)
This course introduces the fundamentals of computer operating systems, including history, evolution, and design, as well as support, maintenance, and troubleshooting. Lab work included. Advisory: CIS 100 or Advisory: equivalent (UE)

CIS 106 Open source operating systems (5)
This course examines the fundamental management of open source systems from the command line, user administration, file permissions, software configuration, and management of clients. Prerequisite: CIS 105 with a minimum grade of C or Prerequisite: permission of program coordinator. (UE)

CIS 110 Introduction to computer security (3)
This course examines the basics of computer security, including identifying threats, planning for business continuity, and preparing for various security attacks. Prerequisite: CIS 105 with a minimum grade of C or Prerequisite: permission of program coordinator. (UE)

CIS 115 Introduction to internet of things (IoT) (3)
This course will introduce students to IoT (Internet of Things) components and systems. Students will utilize hands on activities to model securely connecting sensors to cloud services over IP networks and collecting data in an IoT system. Advisory: MATH 098 (UE)

CIS 116 Virtualization (3)
Implementing virtualization techniques and technologies. Prerequisite: CIS 105 with a minimum grade of C or Prerequisite: permission of program coordinator. (UE)

CIS 180 Technical internship and career preparation (2)
This course is designed for computer information systems students preparing to obtain an internship/job, while fostering career readiness skills. They will highlight their strengths and skills within a professional application, including resume, cover letter, and technical interview. Common strategies for successful interviews will be discussed while practicing solving interview problems. Prerequisite: CIS 105 with a minimum grade of C (UE)

CIS 190 Technical internship (1-5)
Students develop practical skills by applying what is learned in the classroom with planned, supervised, on the job experience. Students explore technical and career issues related to the profession, including ethics, responsibility, critical thinking, and problem solving skills. Repeatable for credit with program permission. Prerequisite: Permission of the CIS Program Coordinator (UE)

CIS 201 Introduction to database design (5)
Students will learn how to use Structured Query Language (SQL) to retrieve and organize information from a relational database, filter, modify, group and summarize data, and retrieve joint information from multiple tables in a database. Advisory: CS& 141 with a minimum grade of C (UE)

CIS 204 Unmanned aircraft systems (UAS) fleet management (4)
This course will introduce students to the components of fleet management such as assigning missions, creating workflows, monitoring the activity of operators, craft flight time, checklists, and location insights. Students will also learn about some of the vulnerabilities and will be taught how to secure against such tampering. Prerequisite: CIS 104 with a minimum grade of C or Prerequisite: permission of program coordinator (UE)

CIS 205 Computer operating systems II (5)
Advanced study of computer operating systems and platforms. Prerequisite: CIS 105 with a minimum grade of C or Prerequisite: permission of program coordinator. (UE)

CIS 206 Computer support I (4)
In-depth study of computer components and their interrelationships. Lab period with hands-on experience in installation, upgrading, removal, configuration, and troubleshooting of software and hardware. Prerequisite: CIS 105 with a minimum grade of C or Prerequisite: permission of program coordinator. (UE)

CIS 207 Computer support II (5)
This course provides an in-depth study of computer components and their interrelationships. Lab period with hands-on experience in installation, upgrading, removal, configuration, and troubleshooting of hardware and software on various platforms. Prerequisite: CIS 206 with a minimum grade of C or Prerequisite: permission of program coordinator. (UE)

CIS 214 Network security I (5)
This course examines network security fundamentals, including defining a security policy, attack methods, intrusion detection, firewalls, identifying risks, and securing networks. Prerequisite: CIS 106 with a minimum grade of C and Prerequisite: CIS 110 with a minimum grade of C and Prerequisite: CIS 226 with a minimum grade of C or Prerequisite: CIS 236 with a minimum grade of C and Prerequisite: CIS 116 with a minimum grade of C or Prerequisite: permission of program coordinator. (UE)

CIS 215 Network security II (5)
This course is a continuation of Network Security I, with added emphasis on defense in depth. Prerequisite: CIS 214 with a minimum grade of C or Prerequisite: permission of program coordinator. (UE)

CIS 216 Industrial control systems security (5)
Securing Industrial Control Systems including identifying risks, configuring devices and protocols, attack methods, and security ICS networks. Prerequisite: CIS 215 with a minimum grade of C or Prerequisite: permission of program coordinator. (UE)

CIS 220 Cloud foundations (5)
This course introduces foundational cloud computing concepts and best practices. Students will examine the benefits and cost of operating cloud architecture. They will discuss the financial impact of cloud migration and the general impact of migrating to a cloud-based architecture. Prerequisite: CIS 105 with a minimum grade of C or permission of program coordinator (UE)

CIS 221 Cloud security (4)
This course will introduce cloud security issues and security controls for cloud computing environments. Students will practice baseline security practices and configure technical security controls. Prerequisite: CIS 105 with a minimum grade of C or Prerequisite: permission of program coordinator (UE)

CIS 224 Unmanned aircraft systems (UAS) mapping/imaging (5)
This course will teach students about how an Unmanned Aircraft System (UAS) can be used to perform image captures and different methods of applications for imaging. Students will learn applicable regulations relating to small UAS rating privileges, limitations, flight operation and more. Prerequisite: CIS 204 with a minimum grade of C or Prerequisite: permission of program coordinator Advisory: MATH 098 with a minimum grade of C (UE)

CIS 225 Computer forensics (5)
This is an introductory course to computer forensics and investigations. Topics include: forensic tools, computer forensic analysis, investigations, and preparing written reports. Prerequisite: CIS 105 with a minimum grade of C and Prerequisite: CIS 206 with a minimum grade of C or Prerequisite: permission of program coordinator. (UE)

CIS 236 Cisco networking I (5)
First in the three quarter networking sequence. This course introduces the fundamentals of networking, including introduction to the OSI and TCP/IP network models, and IP addressing and sub-netting. Other topics include: network design, topologies, protocols, wiring, network devices, and network security fundamentals. Prerequisite: CIS 105 with a minimum grade of C or Prerequisite: permission of program coordinator. (UE)

CIS 237 Cisco networking II (6)
Topics include: LAN Switching, Routing and wireless communication, configuring, verifying, troubleshooting VLANs, inter-VLAN routing, DHCP, routing and switching redundancy, STP, and trunking on Cisco devices. Students will learn to configure wireless networks and common implementation issues. Students will gain hands on experience in the lab. Prerequisite: CIS 236 with a minimum grade of C or Prerequisite: permission of program coordinator. (UE)

CIS 238 Cisco networking III (6)
Topics include: WAN technologies, Quality of Service, Network security, Network management and automation. WAN security concepts are discussed in detail, including types of threats, how to analyze network vulnerabilities, and general methods for mitigating common security threats. Prerequisite: CIS 237 with a minimum grade of C or Prerequisite: permission of program coordinator. (UE)

CIS 240 Introduction to data analytics (4)
This course will teach students foundational data analysis skills. Students will learn how to analyze data sets, and to create visual representations of that data. Prerequisite: CIS 105 with a minimum grade of C or Prerequisite: permission of program coordinator Advisory: MATH 098 with a minimum grade of C (UE)

CIS 245 Machine learning foundations (3)
This course will teach students introductory concepts and terminology in machine learning. Students will learn about artificial intelligence and machine learning. Students will select and apply machine learning services to resolve business problems. Prerequisite: CIS 105 with a minimum grade of C or Prerequisite: permission of program coordinator Advisory: MATH 098 with a minimum grade of C (UE)

CIS 301 Database management systems (5)
Students will learn about database management systems (DBMS) and how to utilize them to solve specific problems. Prerequisite: Program Admittance or permission of BAS program coordinator and Prerequisite: CIS 205 with a minimum grade of C or Prerequisite: Server+ certification or equivalent (N)

CIS 305 Cloud computing I (5)
Analyze and apply the various technologies and services that enable cloud computing, interpret different types of cloud computing models, and analyze the security and legal issues associated with cloud computing. Compare each type of service/model of cloud computing, local resource requirements, local controls, networking requirements, and security. Prerequisite: Program Admittance or permission of BAS program coordinator (N)

CIS 306 Enterprise Linux (5)
Students will be able to install, administer, configure, and upgrade a Linux system in enterprise environments. Students will be able to analyze the tools and explain the concepts needed to build and manage a production Linux infrastructure, including integrating the infrastructure into a Windows environment. Prerequisite: Program Admittance and Prerequisite: CIS 106 with a minimum grade of C (N)

CIS 308 Mobile and wireless technologies (5)
Students will learn about the hardware, communications, management, and programming environments associated with mobile technologies. Students will be able to interpret and explain coordination, energy efficiency, self-organization, and security within a wireless sensor network and be able to identify methods for isolating and/or obfuscating RF transmissions. Prerequisite: Program Admittance or permission of BAS program coordinator and Prerequisite: CIS 236 with a minimum grade of C or Prerequisite: Network+ certification or equivalent (N)

CIS 316 Embedded systems (5)
Students will learn to evaluate and configure cyber physical systems including embedded system architectures, analyze real time OS issues including concurrency and synchronization, and apply real time resource management. Prerequisite: Program Admittance or permission of BAS program coordinator (N)

CIS 317 Embedded systems deployment (5)
The development of projects for a connected business, city, or implementing assistive technologies means providing data and services from anywhere, on any network, and in various environmental conditions. Students will develop a deployment strategy for an IoT/Embedded System and conduct a risk assessment to develop and provide mitigation strategies. Prerequisite: Program Admittance or permission of BAS program coordinator Prerequisite: CIS 316 with a minimum grade of C (N)

CIS 318 IoT networking and data analysis (5)
Students will learn to evaluate and implement strategies for the storage and analysis of big data that is generated by IoT devices including sensors and input data. Students will use data that is generated by IoT systems to practice techniques for storing and analyzing data. Prerequisite: Program Admittance or permission of BAS program coordinator Prerequisite: CIS 317 with a minimum grade of C (N)

CIS 320 Web development (5)
Students will develop and maintain a web site, incorporate e-commerce and database components into a web site, and employ appropriate security measures. They will create scripts/programs to automate and perform operations and implement basic security practices in developing scripts/programs (e.g., bounds checking, input validation). Prerequisite: Program Admittance or permission of BAS program coordinator and Prerequisite: CIS 301 with a minimum grade of C and Prerequisite: CS& 141 with a minimum grade of C (UE)

CIS 405 Cloud computing II (5)
Topics covered include: cloud based storage, virtualization, service oriented architecture (SOA), high availability, scaling, mobile devices, the role of open source cloud software such as Hadoop, OpenStack, and others. Prerequisite: Program Admittance or permission of BAS program coordinator and Prerequisite: CIS 305 with a minimum grade of C (N)

CIS 406 Supply chain (5)
Designing a supply chain including all of the components and the associated security issues. Students will learn about issues related to outsourcing supply chain components, apply mitigation methods, analyze transport and logistics of components, and evaluate third party development practices. Prerequisite: Program Admittance and Prerequisite: CIS 308 with a minimum grade of C (N)

CIS 416 ICS architecture (5)
Students will learn about local area networks in the master station and in the field; reliability, redundancy and safety issues; features of the RTU; PLCs and industrial computers; instrument and equipment interfaces; features of the MTU/HMI; security; data historian/back end systems; and planning and managing SCADA projects. Prerequisite: Program Admittance or permission of BAS program coordinator (N)

CIS 499 Capstone (5)
Students will be able to apply a concept taught in the IT networking BAS program, and develop additional expertise and knowledge through an approved industry focused project. Prerequisite: Program Admittance and Prerequisite: 50 upper division credits in BAS program (N)

CJ-Criminal Justice

CJ& 101 Introduction to criminal justice (5)
Explores the U.S. justice system, focusing on law enforcement, courts, and corrections. Emphasizing diversity through case studies, it examines how race, gender, and socioeconomic factors impact justice processes. The course blends lectures with interactive activities, multimedia experiences, and diverse guest speakers, fostering a comprehensive and inclusive understanding of criminal justice. Placement: ENGL& 101 (SSwd)

CJ 109 Community relations (3)
Examines the interaction between law enforcement and diverse communities, emphasizing the role of the media in shaping public perception and fostering effective, inclusive communication strategies for improving community safety and relations. Students will learn through case studies, interactive discussions, and community engagement projects. (UEwdg)

CJ& 110 Criminal law (3)
Offers an in-depth exploration of legal principles, crime classification, and criminal conduct, coupled with practical applications through case analysis. Students will traverse the criminal justice process, understand the roles of legal professionals, and critically evaluate the ethical and societal implications of criminal law in contemporary society. (LEwd)

CJ 190 Criminal justice internship (1-5)
Students will engage in an academic internship providing practical, supervised experience in a criminal justice setting, fostering career-related skills and professional knowledge. This structured and experiential learning opportunity is repeatable with program approval, enhancing their understanding and abilities in criminal justice. (UE)

CJ 235 Threat assessment & targeted violence (5)
A multidisciplinary approach covering the basic fundamentals, knowledge, and theories involved with incidents of targeted violence across different environments. Through the use of case studies, students will be able to define principles of threat assessment and management, analyze warning behaviors, and discuss best practices in resolving threats across multiple contexts. (UEwd)

CJ& 240 Introduction to forensic science (5)
A multidisciplinary approach covering evidence in criminal investigations, covering its recognition, documentation, and preservation, with a focus on diverse types of evidence. It includes practical discussions on evidence photography, fingerprinting, and DNA analysis, coupled with case studies, written analysis, and discussions on chain of custody and courtroom presentation. Placement: ENGL& 101 Prerequisite: CJ& 101 (LEwd)

CJ 245 Laws of arrest, search & seizure (3)
Students will explore the legal and practical facets of arrests, searches, and seizures in law enforcement. Through class discussions, case study analysis, and case law evaluation, students will critically engage with evolving legal standards within diverse societal contexts, enhancing their understanding and preparing for complex law enforcement careers with a focus on transparency, accountability, and community trust. Prerequisite: CJ& 101 (UEwd)

CJ 250 Criminal investigation/interviewing techniques (3)
Explore the intricacies of criminal investigations, focusing on interviews, interrogations, eyewitness testimony, and false confessions. This course will sharpen writing and communication skills through case studies and written assignments, preparing students for real-world challenges in law enforcement and legal professions within a multicultural society. Prerequisite: CJ& 101 and placement into ENGL& 101. (UEwd)

CJ 275 Patrol procedures (3)
This course enhances students' understanding of diverse community dynamics and develops essential writing and communication skills. Through case studies and written assignments, students learn effective patrol strategies, which are critical for modern law enforcement officers in serving and engaging with increasingly diverse communities. Prerequisite: CJ& 101 (UEwd)

CJ 295 Honors program special topics seminar (2)
Reading, writing, discussion and oral presentations designed to develop in-depth, advanced level knowledge of a topic in Criminal Justice. Program Admittance: Acceptance into the Honors Program. (SS)

CMST-Communication Studies

CMST& 101 Introduction to communication (5)
Fundamental course in communication theory. Students will apply knowledge in variety of settings including interpersonal, public speaking, and small group communication. Advisory: ENGL& 101 (OC)

CMST& 102 Introduction to mass media (5)
This course explores the history, institutions, and social impact of mass communication media. The course is taught from a perspective of theories of persuasion, the symbolic power of images, and the relationship between information and knowledge. Special attention is given to the impact of these media on how we live and believe as individuals and as a society. Oral and written communication skills are acquired through class presentations, discussion, observation, and written assignments. Placement: in ENGL&101 required. (OC)

CMST 205 Gender communication (5)
This course examines the various influences from physiology to culture to media that affect communication between men and women. Students are challenged to learn about their own attitudes, gender-role identity, and communication ability in their relationships. Placement: ENGL& 101 Prerequisite: an oral basic skills or speech humanities course. (SSwd)

CMST& 210 Interpersonal communication (5)
Designed to introduce students to basic interpersonal communication theory. Emphasis on topics such as functions of communication, self-concept, perception, conversation skills, relationship development and maintenance, self-disclosure, assertiveness, and conflict management strategies. Prerequisite: Placement in ENGL& 101 (OC)

CMST& 220 Public speaking (5)
Introduction to communication theory and public speaking, emphasizing organization, audience analysis, oral styles, and use of visual aids. Includes presentation of various types of public speeches and analyses of contemporary speeches. Advisory: ENGL& 101 (OC)

CMST 225 Intercultural communication (5)
The course introduces the student to practices and principles in the field of communication as they apply to face to face interaction with peoples of diverse cultures both within the U.S. and out. The course is designed to provide students with the knowledge and opportunity to apply skills learned in class to their everyday encounters. Topics covered include intercultural barriers, cultural values, worldview, and the interrelation between the environment and social systems that underpin culture. Placement: ENGL& 101 and Prerequisite: CMST& 101 or Prerequisite: CMST& 210 or Prerequisite: CMST& 220 or Prerequisite: CMST& 230 (HSSwgs)

CMST& 230 Small group communication (5)
Introduces students to the theory and practice of small group communication. Course covers interpersonal relationships in groups, leadership, decision-making, problem solving, and presentations speaking in a variety of settings. Advisory: ENGL& 101 (OC)

CMST 245 Introduction to organizational communication (5)
Formerly CMST 145. This course is designed to introduce students to the field of organizational communication. Students will use a range of perspectives and theories to examine topics such as organizational leadership, technology, diversity, ethics and management philosophies. The course involves theory application with a primary focus on the development of effective communication skills (e.g., interviewing, professional presentations, meeting facilitation, performance appraisals/feedback, conflict management). Advisory: ENGL& 101 (OC)

CMST 250 Survey of communication theory (5)
This course is a survey of human communication principles and concepts, including interpersonal, intrapersonal, organizational, rhetorical, ethical, intercultural, and mass communication theory. Prerequisite: ENGL& 101 and Prerequisite: any CMST course (HSSwd)

CMST 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in communication studies. Program Admittance: acceptance into the Honors Program. (OC)

CMST OC Any CMST or CMST& course designated OC (5)
Any "OC" course requirement. Placement: ENGL& 101 (OC)

CO-OP-Cooperative Learning / Internships

CO-OP 180 Preparing for career work experience (1-2)
This course is designed for students to prepare for obtaining an internship or job, while fostering career readiness skills. Students will research careers of interest, employing community and market data. They will highlight their own strengths and skills within a professional application, including resume, cover letter, and conducting an interview for an internship or job. Finally they will analyze job retention and career readiness skills while creating a plan for ongoing professional development. (UE)

CO-OP 190 Cooperative education/internship (1-5)
The student will complete an academic internship that offers experience-based learning in a structured, supervised, and career-related setting. Measurable internship learning outcomes are collaboratively created by the student, internship supervisor, and faculty mentor. The student will develop professional readiness by fostering critical thinking, communication skills, teamwork, leadership, professionalism, and cultural respect. Co-ops above 5 credits may be arranged with permission from co-op coordinator. Repeatable with program permission. Advisory: CO-OP 180 Advisory: Co-ops above 5 credits must be arranged with permission from a Co-op Coordinator. (UE)

CO-OP 290 Cooperative work experience (1-5)
Designed for working students or those students who wish to enrich their education with a short-term career related work experience. Credit is awarded for completion of a co-op learning contract in which educational goals are set within the work environment. Co-ops above 5 credits can be arranged with permission from a Co-op Coordinator. Advisory: CO-OP 180 Advisory: Co-ops above 5 credits can be arranged with permission from a Co-op Coordinator. (UE)

CS-Computer Science

CS 101 Computers and software (5)
Covers the organization and operations of a computer and computer networks, information representation, the primary tasks of operating systems, application and system software, and the fundamentals of computer programming. Also includes logical reasoning and managing complexity. Advisory: Recommended for students who haven't had previous programming. (LE)

CS 120 HTML fundamentals (5)
Teaches the fundamentals of web page design and implementation. Emphasizes text formatting, web page layout, links, lists, tables, frames and forms using HTML, scripting, and database connectivity. Advisory: windows file management and keyboarding skills. (UE)

CS& 141 Computer Science I Java (5)
This course provides an introduction to computer programming with Java. It covers computer architecture, machine instruction processing, basic data types, program control structures, functional decomposition, classes, and fundamental data structures. Recommended for math, science, engineering, computer science, and software development majors. Prerequisite: MATH 099 Advisory: CS 101 (MS)

CS 145 Computer Science II (5)
This course is a continuation of CS&141. Teaches the fundamentals of computer programming. Covers searching and sorting, object oriented design, error handling, file input and output, event based programming, bitwise operators, multithreaded and network programming. Recommended for math, science, engineering, computer science, and software development majors. Prerequisite: CS& 141 (MS)

CS 240 Data structure and algorithm fundamentals (5)
Teaches software development skills that emphasize the study of abstract data types using object oriented programming techniques, Big O algorithm analysis, fundamental data structures such as lists, stacks, queues, and trees, and searching and sorting. Prerequisite: CS 145 (MS)

CS 295 Honors program special topics seminar (2)
Reading, writing, discussion and oral presentations designed to develop in-depth, advanced level knowledge of a topic in Computer Science. Program Admittance: acceptance into the Honors Program. (MS)

CTWOC-Compass 2 Campus

CTWOC 201 Compass to campus youth mentoring I (3)
In this course students learn best practices in mentoring and are placed as mentors in outreach to students in grades 5-12 from varied cultural, social and economic backgrounds. Students experience community service, reflective practice and cultural awareness while gaining critical transferrable skills useful for a range of career pathways. Advisory: It is recommended that students have strong English reading comprehension, writing and oral skills. (UEd)

DANCE-Dance

DANCE 101 Modern dance I (3)
The study of basic principles of movement: space, time and effort. Emphasis on alignment and range of motion, creative movement and an appreciation of dance as an art form. No experience required (LE)

DANCE 102 Modern dance II (3)
The continued study of the principles of movement: space, time and effort. Emphasis on alignment and range of motion, creative movement and an appreciation of dance as an art form. Prerequisite: DANCE 101 (LE)

DANCE 103 Modern dance III (3)
The continued study of basic principles of movement: space, time and effort. Emphasis on alignment and range of motion, creative movement and an appreciation of dance as an art form. Prerequisite: DANCE 102 (LE)

DANCE 111 Jazz dance I (2)
An exploration of beginning Jazz Dance. Emphasis on the basic principles of Jazz as an art form through movement, music, and contemporary and historic influences. (LE)

DANCE 112 Jazz dance II (2)
The continued study of Jazz dance. Emphasis on the basic principles of Jazz as an art form through movement, music, and contemporary and historic influences. This class welcomes all dance skill and experience levels. Prerequisite: DANCE 111 or instructor permission. (LE)

DANCE 121 Global perspectives on dance (5)
An introduction to dance/movement studies through examination and analysis of global philosophies and practices. Framing dance within historical periods and cultural settings from western concert dance to African and East Asian traditions, the acts of dancing, training, and dance-making assist in understanding dance as social, political, and artistic expression. (Hg)

DANCE 130 Dance choreography and performance (3)
An introduction to the fundamentals of dance choreography and performance. Topics include choreographic theory, creative process, performance considerations, and giving and receiving feedback. Participation in final dance concert required. Prerequisite: DANCE 101 or Prerequisite: DANCE 111 or Prerequisite: DANCE 121 or Prerequisite: DRMA 110 or Prerequisite: DRMA 125 (Hp)

DRMA-Drama

DRMA& 101 Introduction to theatre (5)
Drama 101 includes the study of social justice movement, ideas and philosophies as they are present in significant works of global dramatic literature and modes of theatrical performance. Among the topics of social justice covered are the rise of the women's movement, the Civil Rights movement, race relations in America, cultural insensitivity, totalitarianism, and political satire. These movements and ideas are explored through dramatic literature and theatrical performance spanning Greek tragedies to contemporary avant-garde, and includes Beijing Opera, classical Japanese forms, classical theater, realism, musicals, and vaudeville. (Hdg)

DRMA 110 Theatre production I (1-5)
Students are involved in mounting a major theatrical production. Actors by audition. Assistant Director, Stage Manager, construction, technical and artistic support by interview, interest and need. Credits determined by level of involvement. May be repeated for credit up to 15 credits maximum. (LE)

DRMA 125 Acting I (5)
This course is an introduction to theatrical performance in a workshop environment utilizing games, improvisations, movement, composition, and scene study. Students move from the creation and performance of short movement based improvisations, to character and textual analysis, and the performance of realistic scenes. (Hp)

DRMA 126 Acting II (5)
Intensive study of theatrical realism utilizing a workshop approach. Students will become familiar with the terminology and processes used in the rehearsal and performance of psychological realism, and perform numerous scenes and monologues drawn from the diversity of realistic dramatic texts. Prerequisite: DRMA 110 or Prerequisite: DRMA 125 or Prerequisite: permission of instructor. (LE)

DRMA 127 Acting III (5)
Advanced study of classical, realistic, and avant-garde scenes and monologues in a workshop environment. Playwrights studied include classical dramatists such as Shakespeare, Anton Chekhov, and Samuel Beckett, and contemporary playwrights such as August Wilson and Suzan-Lori Parks. Prerequisite: DRMA 110 or Prerequisite: DRMA 126 or Prerequisite: instructor permission. (LEd)

DRMA 140 Creative drama (5)
Focus is on learning a system for developing personal acting skills through games and improvisation, and how to use games to teach the basic elements of theatre to children. Designed for students with an interest in personal creativity and children's theatre. (LE)

DRMA 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in drama. Program Admittance: acceptance into the Honors Program. (H)

ECED-Early Childhood Education

ECED& 100 Child care basics (3)
This course is designed to meet licensing requirements for early learning lead teachers and family home child care providers, STARS 30 hour basics course recognized in the MERIT system. Topics: child growth/development, cultural competency, community resources, guidance, health/safety/nutrition, and professional practice. (UE)

ECED& 105 Introduction to early childhood education (5)
Explore the foundations of early childhood education. Examine theories defining the field, issues and trends, best practices, and program models. Observe children, professionals, and programs in action. (SS)

ECED& 107 Health/safety/nutrition (5)
Introduction to implementation of equitable health, safety and nutrition standards for the growing child in group care. Focus on federal Child Care Block Grant funding (CCDF) requirements, WA state licensing and Head Start Performance standards. Develop skills necessary to keep children healthy & safe, report abuse & neglect, and connect families to community resources. Advisory: Prior or concurrent enrollment in ECED&105. (UE)

ECED& 120 Practicum - Nurturing relationships (2)
Apply best practice for engaging in nurturing relationships with children in an early learning setting. Focus on keeping children healthy and safe while promoting growth and development. (UE)

ECED& 132 Infants/toddlers care (3)
This course examines the unique developmental needs of infants and toddlers. Study the role of the caregiver, relationships with families, developmentally appropriate practices, nurturing environments for infants and toddlers, and culturally relevant care. Advisory: EDUC& 115 (UE)

ECED& 134 Family child care (3)
Learn the basics of home/family child care program management. Topics include: licensing requirements, business management, relationship building, health/safety/nutrition, guiding behavior, and promoting growth and development. Advisory: ECED& 105 (UE)

ECED& 137 Outdoor learning for young children (3)
This course is an exploration of nature-based, outdoor learning experiences for all young children. Students will explore the benefits of outdoor learning for children, learn about the teacher's role in supporting learning in the outdoor environment, and examine the balance of risk-taking and safety as an element of child development. (UE)

ECED& 138 Home visiting and family engagement (3)
Plan and provide home visits and group activities that promote secure parent-child relationships and support families to provide high-quality early learning experiences that are embedded in everyday routines and experiences. Advisory: EDUC& 115 with a minimum grade of C (UE)

ECED& 139 Administration of early learning programs (3)
Develop administrative skills required to develop, open, operate, manage, and assess early childhood education and care programs. Explore techniques and resources available for Washington State licensing and NAEYC standard compliance. Advisory: ECED& 105 (UE)

ECED& 160 Curriculum development (5)
Investigate learning theory, program planning, and tools for curriculum development promoting language, fine/gross motor, social-emotional, cognitive, and creative skills and growth in young children (birth-age 8). Prerequisite: ECED& 105 and Prerequisite: EDUC& 115 or Prerequisite: concurrent enrollment (UE)

ECED& 170 Learning environments for young children (3)
Design, evaluate, and improve indoor and outdoor environments that ensure high quality and comprehensive learning experiences, and optimize the development of young children. (UE)

ECED& 180 Language/literacy development (3)
Develop teaching strategies for language acquisition and literacy skill development at each developmental stage (birth-age 8) through the four interrelated areas of speaking, listening, writing, and reading. (UE)

ECED& 190 Observation, assessment & record keeping (3)
Collect and record observation of and assessment data in order to plan for and support the child in early childhood settings. Practice reflection techniques, summarizing conclusions, and communicating findings. (UE)

ECED 220 Music & movement (3)
Integrating music and movement into early childhood environments. A repertoire of music and movement activities will be developed that focus on social development, physical health, enhancing creativity, and supporting all areas of a child's development. (UE)

ECED 236 Math and science (3)
Teaches techniques for teaching the foundations of mathematical and scientific thought and encouraging the development of math and science concepts and skills in young children. Environmental awareness and sustainability practices introduced. (UE)

ECED 290 Early childhood education internship (1-5)
Student will complete an academic internship that offers experience-based learning, in a structured, supervised, and career-related setting. Measurable internship learning outcomes are collaboratively created by the student, internship supervisor, and faculty mentor. The student will develop professional readiness by fostering skills necessary to work in the early childhood education field. Advisory: ECED& 120 (UE)

ECON-Economics

ECON 100 Survey of economic principles (5)
This is an introductory course for those not planning a major in Business, Accounting, or Economics. Fundamental concepts of economic analysis with application to contemporary problems, including consumer demand and supply decisions in market economies, national income, unemployment, inflation, money, and banking. (SS)

ECON 110 Principles of environmental economics (5)
Designed for non-business majors who would like to know the cost of environmental issues in an economic context. Provides the student with a strong background on the theory of environmental economics and recent policy issues. Covers current methods of making implied costs including global warming, ozone depletion, and pollution of air and water. Covers concepts rather than mathematical proofs and justification. Includes research strategies. (SSgs)

ECON& 201 Micro economics (5)
This course is an introduction to microeconomics. Presents supply and demand models, consumer and producer choice in the competitive and non-competitive market. Examines the various economic decisions made by firms relating to price, demand, factors of production, and costs. Prerequisite: MATH 099 (SS)

ECON& 202 Macro economics (5)
This course is an introduction to macroeconomics: elementary analysis of the determination of income through national income accounting. Covers macroeconomic issues including inflation, unemployment, economic growth, recessions, monetary/fiscal policy, and international trade and finance. Prerequisite: ECON& 201 (SSg)

ECON 203 Economic problems in historical perspective (5)
Examination of major contemporary economic problems from the standpoint of the interacting technological, institutional, and economic processes which produced them. Course focuses on the historically relevant origins of a number of contemporary issues such as growth, stagnation, depression, inflation, breakdown of international monetary systems, and deregulation of industries. (SS)

ECON 205 Alternative economic systems (5)
Introduction to the operation of three fundamentally different economic systems: the free enterprise system as practiced in the U.S.; the free enterprise system as practiced in Western European democracies; and command economic systems as practiced in China. Mercantilism and laissez faire also discussed. Placement: ENGL 101 (SSwg)

ECON 210 Economic ethics (5)
This course is an integrated study of the role of law, ethics, morality, and social responsibility in an entrepreneurial environment. Using case analysis to study and solve: ethical dilemmas in the Market Place, the ethics of the Economic Actor, and ethics/social responsibility of organizations. Placement: ENGL& 101 (SSw)

ECON 225 Money and banking (5)
This course is designed to provide an introduction to the core principles of money and banking. Topics include: supply and demand, interest rates, financial instruments, financial markets, financial institutions, central banks, risk, derivatives, futures, options, swaps, banks and bank management, monetary policy, fiscal policy, financial stability, and financial system regulation. (SS)

ECON 260 Introduction to international trade (5)
This course deals with impacts of globalization, an overview of key issues facing international trade. It covers conceptual foundations for international trade. It addresses environmental, cultural, political, and legal concerns on a global scale. It integrates with managerial concerns of strategy, tactics, and operations in doing business in international markets. (SSgs)

ECON 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in economics. Program Admittance: acceptance into the Honors Program. (SS)

EDPL-Educational Planning

EDPL 50 Academic transitions (1-5)
Designed for ABE and High School Completion and Re-engagement students new to the college environment. Introduction to the college environment; program and college services; academic literacy; study skills and time management; and skills necessary to become a successful student. Lectures, small group discussion, virtual lessons, and experiential exercises. Program Admittance: required. program admittance required. (N)

EDPL 100 College success: An orientation for new students (2)
This orientation is a launching pad for your college career and your long-term goal for success as a learner and a professional. You will increase your skills in note taking, test taking, time management, stress management, and more. You will explore career and educational pathways, seek out and apply strategies for critical and metacognitive thinking, and boldly share in a community of ideas that needs your knowledge and perspective. (UE)

EDPL 104 SEECRS scholars: An introduction to STEM (2)
Designed for students intending to pursue STEM degrees and careers, this class will serve as a survey of the disciplines in science, technology, engineering, and mathematics. This survey will include an exploration of the work associated with disciplines, the sub-disciplines present, and an introduction to the culture within STEM. This course will incorporate general academic skills development, STEM specific academic skill development, and opportunities for career exploration. Class will include lectures, small group discussion, and experiential exercises. (UE)

EDUC-Education

EDUC& 115 Child development (5)
Basic concepts and theory of development from birth through early adolescence. Techniques for observing, assessing, and recording growth and development. (LEd)

EDUC& 130 Guiding behavior (3)
Examine principles and theories promoting social competence in young people through adolescence. Includes the creation of safe learning environments. Develop skills promoting effective interactions, providing positive individual guidance, and enhancing group experiences. (UE)

EDUC& 136 School age care (3)
Develop skills to provide developmentally appropriate and culturally relevant activities and care, specifically: preparing the environment, implementing curriculum, building relationships, guiding academic/social skill development, and community outreach. Advisory: prior or concurrent enrollment in ECED& 105. (UE)

EDUC& 150 Child/family/community (3)
Integrate the family and community contexts in which a child develops. Explore cultures and demographics of families in society, community resources, strategies for involving families in the education of their child, and tools for effective communication. (UEd)

EDUC 190 Cooperative education/internship (1-5)
Students deepen learning, enrich resumes by applying knowledge and skills in a structured, career-related setting within the employing community. Also developed are appropriate work ethics, attitudes, responsibility, personal qualities, critical thinking, problem solving skills necessary for the workplace. Measurable learning outcomes are written collaboratively with student, faculty mentor and employer. Repeatable with program permission. Advisory: CO-OP 180 Advisory: Co-ops above 5 credits can be arranged with permission of Co-op Coordinator. (LE)

EDUC& 202 Introduction to education (5)
This is a survey course in history, philosophy and principles, issues, and trends in American Education. Includes opportunities for observations of educational models and exploration of career paths. (SS)

EDUC& 204 Exceptional child (5)
This is an introductory course in the recognition and identification of exceptionality in children from birth through high school. Includes state and federal regulations and provisions for special education and related services, as well as adaptations for serving special needs students in general education classrooms. (LE)

EDUC 250 Professionalism in the workplace (2)
Students will develop problem-solving skills and learn to resolve dilemmas using the NAEYC Code of Ethical Conduct. Professional portfolios will be developed. (UE)

ELL-English Language Learner

ELL 11 Integrated ELL level 1A (1-10)
This course is designed for low beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level One ELL students. Program Admittance: required. (N)

ELL 12 Integrated ELL level 1B (1-10)
This course is designed for low beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level One ELL students. Program Admittance: required. (N)

ELL 13 Integrated ELL level 1C (1-10)
This course is designed for low beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level One ELL students. Program Admittance: required. (N)

ELL 14A Integrated ELL level 1D (1-5)
This course is designed for low beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level One ELL students. Program Admittance: required. (N)

ELL 14B Integrated ELL level 1D (1-5)
This course is designed for low beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level One ELL students. Program Admittance: required. (N)

ELL 21 Integrated ELL level 2A (1-10)
This course is designed for beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Two ELL students. Program Admittance: required. (N)

ELL 22 Integrated ELL level 2B (1-10)
This course is designed for beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Two ELL students. Program Admittance: required. (N)

ELL 23 Integrated ELL level 2C (1-10)
This course is designed for beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Two ELL students. Program Admittance: required. (N)

ELL 24A Integrated ELL level 2D (1-5)
This course is designed for beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Two ELL students. Program Admittance: required. (N)

ELL 24B Integrated ELL level 2D (1-5)
This course is designed for beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Two ELL students. Program Admittance: required. (N)

ELL 31 Integrated ELL level 3A (1-10)
This course is designed for high beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Three ELL students. Program Admittance: required. (N)

ELL 32 Integrated ELL level 3B (1-10)
This course is designed for high beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Three ELL students. Program Admittance: required. (N)

ELL 33 Integrated ELL level 3C (1-10)
This course is designed for high beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Three ELL students. Program Admittance: required. (N)

ELL 34A Integrated ELL level 3D (1-5)
This course is designed for high-beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Three ELL students. Program Admittance: required. (N)

ELL 34B Integrated ELL level 3D (1-5)
This course is designed for high beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Three ELL students. Program Admittance: required. (N)

ELL 35 ELL writing level 3A (1-10)
This course is designed for high beginning English Language Learners. Focus is on grammar and writing. Part of a non-sequential series for Writing Level Three ELL students. Program Admittance: required. (N)

ELL 36 ELL writing level 3B (1-10)
This course is designed for high beginning English Language Learners. Focus is on grammar and writing. Part of a non-sequential series for Writing Level Three ELL students. Program Admittance: required. (N)

ELL 37 ELL writing level 3C (1-10)
This course is designed for high beginning English Language Learners. Focus is on grammar and writing. Part of a non-sequential series for Writing Level Three ELL students. Program Admittance: required. (N)

ELL 41 Integrated ELL level 4A (1-10)
This course is designed for low intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Four ELL students. Program Admittance: required. (N)

ELL 42 Integrated ELL level 4B (1-10)
This course is designed for low intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Four ELL students. Program Admittance: required. (N)

ELL 43 Integrated ELL level 4C (1-10)
This course is designed for low intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Four ELL students. Program Admittance: required. (N)

ELL 44A Integrated ELL level 4D (1-5)
This course is designed for low intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Four ELL students. Program Admittance: required. (N)

ELL 44B Integrated ELL level 4D (1-5)
This course is designed for low intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Four ELL students. Program Admittance: required. (N)

ELL 45 ELL writing level 4A (1-10)
This course is designed for low intermediate English Language Learners. Focus is on grammar and writing. Part of a non-sequential series for Writing Level Four ELL students. Program Admittance: required. (N)

ELL 46 ELL writing level 4B (1-10)
This course is designed for low intermediate English Language Learners. Focus is on grammar and writing. Part of a non-sequential series for Writing Level Four ELL students. Program Admittance: required. (N)

ELL 47 ELL writing level 4C (1-10)
This course is designed for low intermediate English Language Learners. Focus is on grammar and writing. Part of a non-sequential series for Writing Level Four ELL students. Program Admittance: required. (N)

ELL 51 Integrated ELL level 5A (1-10)
This course is designed for high intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Five ELL students. Program Admittance: required. (N)

ELL 52 Integrated ELL level 5B (1-10)
This course is designed for high intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Five ELL students. Program Admittance: required. (N)

ELL 53 Integrated ELL level 5C (1-10)
This course is designed for high intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Five ELL students. Program Admittance: required. (N)

ELL 54A Integrated ELL level 5D (1-5)
This course is designed for high intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Five ELL students. Program Admittance: required. (N)

ELL 54B Integrated ELL level 5D (1-5)
This course is designed for high intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Five ELL students. Program Admittance: required. (N)

ELL 55 ELL writing level 5A (1-10)
This course is designed for high intermediate English Language Learners. Focus is on grammar and writing. Part of a non-sequential series for Writing Level Five ELL students. Program Admittance: required. (N)

ELL 56 ELL writing level 5B (1-10)
This course is designed for high intermediate English Language Learners. Focus is on grammar and writing. Part of a non-sequential series for Writing Level Five ELL students. Program Admittance: required. (N)

ELL 57 ELL writing level 5C (1-10)
This course is designed for high intermediate English Language Learners. Focus is on grammar and writing. Part of a non-sequential series for Writing Level Five ELL students. Program Admittance: required. (N)

ELL 61 Integrated ELL level 6A (1-10)
This course is designed for advanced English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Six ELL students. Program Admittance: required. (N)

ELL 62 Integrated ELL level 6B (1-10)
This course is designed for advanced English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Six ELL students. Program Admittance: required. (N)

ELL 63 Integrated ELL level 6C (1-10)
This course is designed for advanced English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Six ELL students. Program Admittance: required. (N)

ELL 64A Integrated ELL level 6D (1-5)
This course is designed for advanced English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Six ELL students. Program Admittance: required. (N)

ELL 64B Integrated ELL level 6D (1-5)
This course is designed for advanced English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Six ELL students. Program Admittance: required. (N)

ELL 65 ELL writing level 6A (1-10)
This course is designed for advanced English Language Learners. Focus is on grammar and writing. Part of a non-sequential series for Writing Level Six ELL students. Program Admittance: required. (N)

ELL 66 ELL writing level 6B (1-10)
This course is designed for advanced English Language Learners. Focus is on grammar and writing. Part of a non-sequential series for Writing Level Six ELL students. Program Admittance: required. (N)

ELL 67 ELL writing level 6C (1-10)
This course is designed for advanced English Language Learners. Focus is on grammar and writing. Part of a non-sequential series for Writing Level Six ELL students. Program Admittance: required. (N)

ENGL-English

ENGL 81 College skills development for the professions I (1-5)
This course is designed to link with I-BEST courses. Students will develop their college level reading, writing, and study skills to support learning in linked I-BEST courses. Program Admittance: required. (N)

ENGL 82 College skills development for the professions II (1-5)
This course is designed to link with I-BEST courses. Students will further develop their college level reading, writing, and study skills to support learning in linked I-BEST courses. Program Admittance: required. (N)

ENGL 83 College skills development for the professions III (1-5)
This course is designed to link with I-BEST courses. Students will develop their college level reading, writing, and study skills to support learning in linked I-BEST courses and to facilitate transition into ENGL& 101. Program Admittance: required. (N)

ENGL 84 College skills development for the professions IV (1-5)
This course is designed to be taught with ENGL& 101. Students will develop college-level reading, writing and study skills to support successful completion of ENGL& 101. Program Admittance: required. (N)

ENGL 95 Basic composition and form (5)
A basic writing course with readings. Reviews summary, paragraph, and essay writing, various rhetorical structures, and basic grammar, punctuation, and sentence structures. Placement: and/or writing sample (N)

ENGL 98 Constructing paragraphs and essays (3-5)
Refinement of essay and paragraph writing skills. Focuses on the structure, development, and strengthening of paragraphs and essays and examines various rhetorical structures. S/U grading. Prerequisite: Instructor permission (N)

ENGL& 101 English composition I (5)
This course helps students become more effective writers in academic and professional settings. Students learn to enter ongoing academic conversations, analyze and use secondary sources to formulate, develop, revise, and communicate ideas in writing, and shape their message to different purposes, audiences, and media. Prerequisite: ENGL 095 or placement into ENGL& 101. (CC)

ENGL& 111 Introduction to literature (5)
This course introduces students to fiction, nonfiction, poetry, and plays, with an emphasis on critical understanding of the form, content and cultural contexts of literature. (Hwg)

ENGL& 113 Introduction to poetry (3-5)
This course introduces students to the elements of poetry through close reading and analysis. (Hwdg)

ENGL 124 Environmental literature (5)
This course introduces students to literature as a vehicle for international environmental awareness emphasizing the relationship between a writer, the environment, and sense of place. (Hwdgs)

ENGL 136 Science fiction and fantasy (3-5)
This course introduces students to the genres of science-fiction and fantasy, focusing upon major themes and how speculative fiction addresses contemporary human concerns. (Hw)

ENGL 141 Introduction to fiction: The short story (3-5)
This course introduces students to an international selection of short fiction through close reading and analysis of the elements of the genre. (Hwg)

ENGL 142 Introduction to fiction: The novel (3-5)
This course introduces students to an international selection of novels through close reading and analysis of the elements of the genre. (Hwg)

ENGL 150 Introduction to British Literature (5)
This course introduces students to English, Scottish, Irish and/or Welsh fiction, nonfiction, poetry, and plays, with an emphasis on critical understanding of the form, content and cultural contexts. (Hwg)

ENGL 161 Introduction to American Literature (5)
This course introduces students to diverse works of American fiction, nonfiction, poetry, and plays, with an emphasis on critical understanding of the form, the content, and the cultural and historical contexts. (Hwd)

ENGL 169 Modern and contemporary American poetry (5)
This course is an introduction to American poetry from the Modernists (early 20th century) to the present day with an emphasis on major movements and themes. (Hwd)

ENGL 174 Academic skills: Gaining knowledge and power (3-5)
Students choose career and educational pathways to explore while they examine their personal and learner identities and issues related to race, class and gender equity. Students will also hone academic skills, including writing, note-taking, test-taking, active learning, and time and stress management. (UEwd)

ENGL 188 Special topics in academic writing (2-3)
This course focuses on the development of academic writing skills and awareness of those skills as a reflective writer. Emphasis on the use of sources, development of ideas, and rhetorical awareness in academic discourse in support of ENGL& 101. S/U grading. Placement: placement in ENGL& 101 required. (UE)

ENGL 194 Special topics in literature (3-5)
An in-depth examination of a particular topic within literature. Possible topics include, but are not limited to, a particular literary genre, a particular literary movement or period, the work of a particular author, particular literary techniques or structures, or a particular theoretical construct or lens. (Hw)

ENGL 201 Advanced composition (5)
This course helps students become more effective communicators through the production of various forms and mediums of writing. Students develop effective rhetorical strategies through analysis of texts and contexts, as well as engaging in independent research as part of meaningful and ethical scholarship. Prerequisite: ENGL& 101 with a minimum grade of C- (CC)

ENGL 202 Writing about literature (5)
This course helps students develop skills in reading and writing about literature. Students analyze literature based on elements of genres, including fiction, poetry, and/or drama, and develop essays using strategies of literary analysis. Prerequisite: ENGL& 101 with a minimum grade of C- (CC)

ENGL 225 Children's literature I (5)
This course introduces students to the field of children's literature, spanning classic to contemporary works. The emphasis is on exploring various genres, styles, trends, and cultural traditions—through works for the very young to young adults. Prerequisite: ENGL& 101 (Hwd)

ENGL 226 Children's literature II (5)
This course introduces students to further reading and analysis in the field of children's literature, spanning classic to contemporary works. The emphasis is on exploring various genres, styles, trends, and cultural traditions - through works for the very young to young adults. Prerequisite: ENGL 225 (Hwd)

ENGL& 230 Technical writing (3-5)
This course helps students develop effective methods of research, organization and presentation of findings typical of professional, technical, and scientific writing. Students develop problem-solving and researching skills, including data collection, the critical analysis of sources, documentation, and document design. Prerequisite: ENGL& 101 with a minimum grade of C- (CC)

ENGL& 235 Technical writing (5)
This course helps students develop effective methods of research, organization and presentation of findings typical of professional, technical, and scientific writing. Students develop problem-solving and researching skills, including data collection, the critical analysis of sources, documentation, and document design. Prerequisite: ENGL& 101 with a minimum grade of C- (CC)

ENGL& 236 Creative writing I (5)
This course introduces students to the craft of writing fiction and poetry. Students study the characteristics of fiction and poetry and analyze works by published authors. Students read and think critically about their own and others' imaginative writing and improve their own writing through careful revision. Placement: ENGL& 101 (Hw)

ENGL& 237 Creative writing II (5)
This course helps students develop their craft of writing fiction and poetry. Students study advanced techniques of fiction and poetry by analyzing the works of published authors. Students read and think critically about their own and others' imaginative writing and improve their own writing through careful revision and self-assessment. Prerequisite: ENGL& 236 (Hw)

ENGL 238 Gender and literature (5)
This course introduces students to the field of gender studies as it applies to literature. The emphasis is on critical analysis of literary elements, and the understanding and appreciation the role gender plays in the history, theory, and art of literary production. Prerequisite: ENGL& 101 (Hwd)

ENGL 258 Studies in major British authors (3-5)
This course introduces students to the works of a selected author from England, Scotland, Ireland, or Wales. The emphasis is on critical analysis of the literary contributions as well as the historical and cultural contexts of the author. Prerequisite: ENGL& 101 (Hwg)

ENGL 267 Native American literature (5)
This course focuses on selected works of Native American literature from a range of cultures and historical periods. The readings may include poetry, fiction, essays, and drama as well as indigenous literary forms. The emphasis is on historical contexts, cultural traditions, and analysis of literary elements. Prerequisite: ENGL& 101 (Hwd)

ENGL 268 Studies in major American authors (3-5)
This course introduces students to the works of a selected American author. The emphasis is on critical analysis of the literary contributions as well as the historical and cultural contexts of the author. Prerequisite: ENGL& 101 (Hw)

ENGL 282 Introduction to world literature (5)
This course introduces students to works of ancient to contemporary literature from non-English speaking cultures, including oral and written genres, from Europe, Russia, the Middle East, Africa, Asia, Latin America and the Pacific. The emphasis is on critical analysis of literary elements, diverse histories, worldviews and traditions. Prerequisite: ENGL& 101 (Hwg)

ENGL 286 Mythology (5)
This course will explore mythology from two or more cultures, including, but not limited to, those from Europe, Asia, the Americas, Africa, Australia, and the South Pacific. The emphasis is on the historical context, cultural functions, worldviews, and literary elements of the mythology. Prerequisite: ENGL& 101 (Hwg)

ENGL 295 Honors program special topics seminar (2)
Cross-curricular readings and small group discussions/presentations provide the basis for writing assignments which further develop the student's command of the rhetorical modes taught in English literature or composition. Program Admittance: acceptance into the Honors Program and eligibility for course it is paired with. (CCH)

ENGL 295C Honors program special topics seminar (2)
Cross-curricular readings and small group discussions/presentations provide the basis for writing which builds on the student's rhetorical knowledge developed in ENGL& 101 and any 200-level composition courses. Prerequisite: acceptance into the Honors Program and eligibility for course it is paired with. Program/ Degree Requisite: program admittance required. (CC)

ENGL 295H Honors program special topics seminar (2)
Cross-curricular readings and small group discussions/presentations provide the basis for writing assignments which further develop the student's command of the rhetorical modes taught in English literature. Prerequisite: acceptance into the Honors Program and eligibility for course it is paired with. Program/ Degree Requisite: program admittance required. (H)

ENGR-Engineering

ENGR 101 Introduction to engineering (5)
Project based introduction to engineering analysis and modeling exploring the engineering field. Topics include career opportunities, academic success strategies, engineering and society, analytical problem solving, and applications of mathematics, physics, and chemistry in engineering. Projects introduce engineering software and skills such as computer-aided design (CAD), 3D printing, laser cutting, communication, and spreadsheets. Placement: placement in ENGL& 101 required. Prerequisite: MATH& 141 or Co-requisite: MATH& 141 (MSPBl)

ENGR& 114 Engineering graphics (5)
Methods of modeling and depicting three-dimensional objects and communicating design information. Introduction to parametric solid modeling software as a design and analysis tool. Freehand sketching for spatial visualization skill development and design conceptualization. Topics include part and assembly modeling, orthographic projection, engineering drawings, and 3-D printing. Prerequisite: MATH& 141 or concurrent enrollment Advisory: ENGR 101 (MS)

ENGR 120 Introduction to scientific computing (2)
This course introduces MATLAB as a programming tool for mathematical analysis, visualization, simulation, and modeling, specifically pertaining to solving engineering design and analysis problems. Prerequisite: MATH& 142 with a minimum grade of C (UE)

ENGR 151 Introductory design and computing (5)
Project based experience with the engineering design process and technical computing. Explores the role of creativity, teamwork, and communication in promoting innovative design. Includes an introduction to computer programming, data analysis, sensors, and microcontrollers. Placement: placement in ENGL& 101 required. Prerequisite: MATH& 152 with a minimum grade of C or Prerequisite: MATH& 142 with a minimum grade of C and Prerequisite: ENGR 101 with a minimum grade of C (MSPBl)

ENGR 201 Fundamentals of materials science (5)
Atomic, molecular, and crystalline structures of solid materials and the relation to electrical, mechanical, thermal, and chemical properties. Introduction to materials processing and fabrication techniques. Placement: placement in ENGL& 101 required. Prerequisite: CHEM& 161 with a minimum grade of C and Prerequisite: PHYS& 221 with a minimum grade of C (MSPBl)

ENGR 202 Logic circuits (6)
Introduction to the basic components of logic circuits. Design and analysis of combinational and sequential logic circuits using relevant theorems, mathematical models, and hardware description language. Includes exposure to modern methods and design tools. Prerequisite: MATH& 151 with a minimum grade of C and Prerequisite: ENGR 151 with a minimum grade of C or Prerequisite: CS& 141 with a minimum grade of C (MS)

ENGR& 204 Electrical circuits (6)
Analysis of mathematical models of electric components and circuits. Topics include sources, resistors, capacitors, inductors, operational amplifiers, transient response, sinusoidal steady-state response, and three-phase circuits. Laboratory introduces electrical instrumentation and design applications of electrical circuit concepts. Prerequisite: PHYS& 223 with a minimum grade of C and Prerequisite: MATH 238 or Co-requisite: MATH 238 Advisory: ENGR 151 and Advisory: MATH 204 (MSPBl)

ENGR& 214 Statics (5)
Introduction to analysis and design of force systems in equilibrium. Topics include vector analysis, types of forces, moments, equilibrium analysis, structures, centroids, moments of inertia, friction, and internal forces. Placement: placement in ENGL& 101 required. Prerequisite: MATH& 152 with a minimum grade of C and Prerequisite: PHYS& 221 with a minimum grade of C (MS)

ENGR& 215 Dynamics (5)
Introduction to analysis and design of mechanical systems in motion. Kinematics and kinetics of particles and rigid bodies analyzed using Newton's Second Law, work-energy, and impulse-momentum. Scalar and vector methods in multiple coordinate systems. Prerequisite: PHYS& 221 with a minimum grade of C Prerequisite: ENGR& 214 with a minimum grade of C Prerequisite: MATH& 163 with a minimum grade of C (MS)

ENGR& 224 Thermodynamics (5)
Introduction to thermodynamics from a macroscopic point of view. First and second law analysis of engineering systems such as engines, power plants and heat pumps. Topics include thermodynamic states, property tables, equations of state, energy interactions, entropy, efficiency, and power cycles. The majority of course topics emphasize efficiency analysis and how technology choices and development can contribute to more sustainable energy generation and use. Placement: ENGL& 101 Prerequisite: MATH& 152 with a minimum grade of C and Prerequisite: PHYS& 222 with a minimum grade of C and Prerequisite: CHEM& 162 with a minimum grade of C (MSPBs)

ENGR& 225 Mechanics of materials (5)
Introduction to mechanics of solids. Development of basic relationships among loads, stresses and deformations of structures and machine elements subject to axial, shear, torsion, bending and combined loadings. Applications to engineering design. Placement: placement in ENGL& 101 required. Prerequisite: ENGR& 214 with a minimum grade of C (MS)

ENGR& 240 Engineering Computations (5)
Numerical solutions to problems in engineering and science using modern scientific computing tools. Introduction to computer programming for numerical computation. Application of mathematical judgment in selecting computational algorithms and communicating results. Placement: placement in ENGL& 101 required. Prerequisite: MATH& 163 with a minimum grade of C and Prerequisite: MATH 207 with a minimum grade of C and Prerequisite: ENGR 151 with a minimum grade of C or Prerequisite: CS& 141 with a minimum grade of C Advisory: MATH 204 or Advisory: concurrent enrollment. (MS)

ENGR 251 Research and development experience (2)
A student led and project-based research, development and design experience. Continue engaging with the engineering design process, teamwork principles, project management, tools, and technologies that are introduced in 100-level engineering. Prerequisite: ENGR& 114 with a minimum grade of C or Prerequisite: ENGR 151 with a minimum grade of C (LE)

ENVS-Environmental Science

ENVS& 100 Survey of environmental science (5)
Introductory non-laboratory course in biology emphasizing the environment and its living organisms. Includes discussion of early evolution, energy, ecosystems, and populations, and the balance between man and his environment. Either ENVS&100 or ENVS&101 may be taken for credit, not both. Prerequisite: placement in ENGL& 101 (MSws)

ENVS& 101 Intro to env science (5)
Introductory lab science course emphasizing a scientific approach toward understanding nature and real-world environmental problems. Includes an examination of how living systems are interconnected, the impact humans have on ecosystems, and societal issues that arise. An at-home lab kit is utilized to examine course concepts and practice the scientific process. Either ENVS&100 or ENVS&101 may be taken for credit, not both. Placement: ENGL& 101 (MSsl)

ENVS 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in environmental science. Program Admittance: acceptance into the Honors Program. (MS)

ESOL-English for Speakers of Other Languages

ESOL 11 Integrated ESOL level 1A (1-10)
This course is designed for low beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level One ESOL students. Program Admittance: required. (N)

ESOL 12 Integrated ESOL level 1B (1-10)
This course is designed for low beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level One ESOL students. Program Admittance: required. (N)

ESOL 13 Integrated ESOL level 1C (1-10)
This course is designed for low beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level One ESOL students. Program Admittance: required. (N)

ESOL 14A Integrated ESOL level 1D (1-5)
This course is designed for low beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level One ESOL students. Program Admittance: required. (N)

ESOL 14B Integrated ESOL level 1D (1-5)
This course is designed for low beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level One ESOL students. Program Admittance: required. (N)

ESOL 15 English composition I (4)
This course is an introduction to English sentence structure. The focus is on simple sentences and punctuation. Designed for low-beginning level ESOL students. S/U grading. Placement: Students are admitted after completing the program placement process. (N)

ESOL 15A English composition I A (2)
This course is an introduction to English sentence structure. The focus is on simple sentences and punctuation. Designed for low-beginning level ESOL students. S/U grading. Placement: Students are admitted after completing the program placement process. (N)

ESOL 15B English composition I B (2)
This course is an introduction to English sentence structure. The focus is on simple sentences and punctuation. Designed for low-beginning level ESOL students. S/U grading. Placement: Students are admitted after completing the program placement process. (N)

ESOL 21 Integrated ESOL level 2A (1-10)
This course is designed for beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Two ESOL students. Program Admittance: required. (N)

ESOL 22 Integrated ESOL level 2B (1-10)
This course is designed for beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Two ESOL students. Program Admittance: required. (N)

ESOL 23 Integrated ESOL level 2C (1-10)
This course is designed for beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Two ESOL students. Program Admittance: required. (N)

ESOL 24A Integrated ESOL level 2D (1-5)
This course is designed for beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Two ESOL students. Program Admittance: required. (N)

ESOL 24B Integrated ESOL level 2D (1-5)
This course is designed for beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Two ESOL students. Program Admittance: required. (N)

ESOL 25 English composition II (4)
This course is an introduction to English sentence structure. The focus on simple sentences, compound sentences, and fragments. Designed for beginning level ESOL students. S/U grading. Placement: Students are admitted after completing the program placement process. (N)

ESOL 25A English composition II A (2)
This course is an introduction to English sentence structure. The focus on simple sentences and compound sentences. Designed for beginning level ESOL students. S/U grading. Placement: Students are admitted after completing the program placement process. (N)

ESOL 25B English composition II B (2)
This course is an introduction to English sentence structure. The focus on simple sentences and compound sentences. Designed for beginning level ESOL students. S/U grading. Placement: Students are admitted after completing the program placement process. (N)

ESOL 31 Integrated ESOL level 3A (1-10)
This course is designed for high beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Three ESOL students. Program Admittance: required. (N)

ESOL 32 Integrated ESOL level 3B (1-10)
This course is designed for high beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Three ESOL students. Program Admittance: required. (N)

ESOL 33 Integrated ESOL level 3C (1-10)
This course is designed for high-beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Three ESOL students. Program Admittance: required. (N)

ESOL 34A Integrated ESOL level 3D (1-5)
This course is designed for high-beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Three ESOL students. Program Admittance: required. (N)

ESOL 34B Integrated ESOL level 3D (1-5)
This course is designed for high beginning English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Three ESOL students. Program Admittance: required. (N)

ESOL 35 English composition III (4)
This course is an introduction to English paragraph structure: including the topic sentence, support, and the concluding sentence. The focus is on unity and development of details for support in the production of a paragraph. Designed for high-beginning level ESOL students. S/U grading. Program Admittance: Students are admitted after completing the program placement process. (N)

ESOL 35A English composition III A (2)
This course is an introduction to English paragraph structure: including the topic sentence, support, and the concluding sentence. The focus is on unity and development of details for support in the production of a paragraph. Designed for high-beginning level ESOL students. S/U grading Placement: Students are admitted after completing the program placement process. (N)

ESOL 35B English composition III B (2)
This course is an introduction to English paragraph structure: including the topic sentence, support, and the concluding sentence. The focus is on unity and development of details for support in the production of a paragraph. Designed for high-beginning level ESOL students. S/U grading. Placement: Students are admitted after completing the program placement process. (N)

ESOL 41 Integrated ESOL level 4A (1-10)
This course is designed for low intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Four ESOL students. Program Admittance: required. (N)

ESOL 42 Integrated ESOL level 4B (1-10)
This course is designed for low intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Four ESOL students. Program Admittance: required. (N)

ESOL 43 Integrated ESOL level 4C (1-10)
This course is designed for low intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Four ESOL students. Program Admittance: required. (N)

ESOL 44A Integrated ESOL level 4D (1-5)
This course is designed for low intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Four ESOL students. Program Admittance: required. (N)

ESOL 44B Integrated ESOL level 4D (1-5)
This course is designed for low intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Four ESOL students. Program Admittance: required. (N)

ESOL 45 English composition IV (4)
This course focuses on paragraph structure including: the topic sentence, support, and the concluding sentence, as well as paragraph unity and further development of details for support. Designed for low-intermediate level ESOL students. S/U grading. Placement: Students are admitted after completing the program placement process. (N)

ESOL 45A English composition IV A (2)
This course focuses on paragraph structure including: the topic sentence, support, and the concluding sentence, as well as paragraph unity and further development of details for support. Designed for low-intermediate level ESOL students. S/U grading Placement: Students are admitted after completing the program placement process. (N)

ESOL 45B English composition IV B (2)
This course focuses on paragraph structure including: the topic sentence, support, and the concluding sentence, as well as paragraph unity and further development of details for support. Designed for low-intermediate level ESOL students. S/U grading. Placement: Students are admitted after completing the program placement process. (N)

ESOL 51 Integrated ESOL level 5A (1-10)
This course is designed for high intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Five ESOL students. Program Admittance: required. (N)

ESOL 52 Integrated ESOL level 5B (1-10)
This course is designed for high intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Five ESOL students. Program Admittance: required. (N)

ESOL 53 Integrated ESOL level 5C (1-10)
This course is designed for high intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Five ESOL students. Program Admittance: required. (N)

ESOL 54A Integrated ESOL level 5D (1-5)
This course is designed for high intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Five ESOL students. Program Admittance: required. (N)

ESOL 54B Integrated ESOL level 5D (1-5)
This course is designed for high intermediate English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Five ESOL students. Program Admittance: required. (N)

ESOL 55 English composition V (4)
This course focuses on the development of sentence variety and paragraph structure including the topic sentence, supporting details, and the concluding sentence, as well as paragraph unity. Editing skills for various grammar errors are developed. Designed for low-to-high intermediate level ESOL students. S/U grading Placement: Students are admitted after completing the program placement process. (N)

ESOL 55A English composition V A (2)
This course focuses on the development of sentence variety and paragraph structure including the topic sentence, supporting details, and the concluding sentence, as well as paragraph unity. Editing skills for various grammar errors are developed. Designed for low-to-high intermediate level ESOL students. S/U grading Placement: Students are admitted after completing the program placement process. (N)

ESOL 55B English composition V B (2)
This course focuses on the development of sentence variety and paragraph structure including the topic sentence, supporting details, and the concluding sentence, as well as paragraph unity. Editing skills are also developed. Designed for low-to-high intermediate level ESOL students. S/U grading Placement: Students are admitted after completing the program placement process. (N)

ESOL 61 Integrated ESOL level 6A (1-10)
This course is designed for advanced English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Six ESOL students. Program Admittance: required. (N)

ESOL 62 Integrated ESOL level 6B (1-10)
This course is designed for advanced English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Six ESOL students. Program Admittance: required. (N)

ESOL 63 Integrated ELL level 6C (1-10)
This course is designed for advanced English Language Learners. Integrates the instruction of listening, speaking, reading, writing with embedded technology skills. Part of a non-sequential series for Level Six ESOL students. Program Admittance: required. (N)

ESOL 64A Integrated ESOL level 6D (1-5)
This course is designed for advanced English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Six ESOL students. Program Admittance: required. (N)

ESOL 64B Integrated ESOL level 6D (1-5)
This course is designed for advanced English Language Learners. Integrates the instruction of listening, speaking, reading, writing and technology skills. Part of a non-sequential series for Level Six ESOL students. Program Admittance: required. (N)

ESOL 85 English in the community (2)
This course gives students the opportunity to interact and communicate with English speakers in the community through community activities, e.g., participating and/or volunteering in community events, etc. The focus is on creating authentic language learning environments for continued communication skill development. S/U Grading. Program Admittance: required. Prerequisite: ESLA 050A placement in ESOL 51 or (N)

ESOL 87 English pronunciation (2)
In this course, non-native speakers of English identify and produce English pronunciation in areas that are especially problematic for them given their language backgrounds. Program Admittance: required. (N)

ESOL 87A English pronunciation I (1)
In this course, non-native speakers of English identify and produce English pronunciation in areas that are especially problematic for them given their language backgrounds. Program Admittance: required. (N)

ESOL 87B English pronunciation II (1)
In this course, non-native speakers of English identify and produce English pronunciation in areas that are especially problematic for them given their language backgrounds. Program Admittance: required. (N)

ESOL 88 International student life (2)
This course is designed to support international students in the development of academic and social skills expected of college students in the US. Placement: Students are admitted after completing the program placement process. (N)

ESOL 88A International student life A (1)
This course is designed to support international students in the development of academic and social skills expected of college students in the US. Placement: Students are admitted after completing the program placement process. (N)

ESOL 88B International student life B (1)
This course is designed to support international students in the development of academic and social skills expected of college students in the US. Placement: Students are admitted after completing the program placement process. (N)

ESOL 90 English skills practice (2)
Under the instructor's guidance, ESOL/WCC international/ELL students will identify specific language skills goals in English reading/ vocabulary, writing/grammar, and/or speaking/ listening comprehension and practice in groups and individually these specific areas for improvement with a self-assessment at the quarter's end. S/U grading. Program Admittance: required. (N)

ESOL 90A English skills practice A (1)
Under the instructor's guidance, ESOL/WCC international/ELL students will identify specific language skills goals in English reading/ vocabulary, writing/grammar, and/or speaking/ listening comprehension and practice in groups and individually these specific areas for improvement with a self-assessment at the quarter's end. S/U grading. Program Admittance: required. (N)

ESOL 90B English skills practice B (1)
Under the instructor's guidance, ESOL/WCC international/ELL students will identify specific skills goals in English reading/vocabulary, writing/grammar, and/or speaking/listening comprehension and practice in groups and individually these specific areas for improvement with a self-assessment at the session's end. S/U grading. Program Admittance: required. (N)

ESOL 91 Grammar review (2)
This course is designed to support students wanting to review grammatical structures in English. The course focuses on learning about grammatical structures to support fluency in writing. S/U grading. Program Admittance: required. (N)

ESOL 92 Academic reading skills (2)
Designed to support students in reading college-level texts. The focus is on developing strategies for improving comprehension, speed and tolerance for ambiguity, and for increasing academic vocabulary comprehension. Writing about reading passages and paraphrasing skills are also included. S/U grading. Program Admittance: required. (N)

ESOL 93 Advanced speaking and listening (2)
This course is designed to support students with the interpersonal communication skills necessary for active participation in college-level course group discussions, including techniques for leading group discussions. In addition, listening skills required for college lecture courses will be taught. Program Admittance: required. (N)

ESOL 113 Academic ESOL composition and reading skills I (6)
Low-Advanced ESOL. Designed to develop student's ability to write basic essays. Emphasis is on controlling grammar at sentence level and organizing ideas into well-constructed essays with adequate support. Course includes reading academic texts and summary writing. S/U grading. Placement: Students are admitted after completing the program placement process. (UE)

ESOL 115 Academic ESOL composition and reading skills II (6)
Advanced ESOL. This course is designed to introduce students to a variety of features of essay writing, including the role of thesis statements, introductions, conclusions, and various means of organization. Emphasizes controlling grammar and developing the ability to use complex sentences. S/U Grading. Placement: Students are admitted after completing the program placement process. Prerequisite: ESOL 113 with a minimum grade of S (UE)

ESOL 117 Academic ESOL composition and reading skills III (6)
High-advanced ESOL. Learning a variety of modes including Argumentation. Focuses on developing details and logical organization. Emphasizes controlling grammar and developing an academic writing style. Includes critical analysis of college-level texts, summary/ reflection writing and citation. S/U grading. Placement: Students are admitted after completing the program placement process. Prerequisite: ESOL 115 with a minimum grade of S (UE)

FILM-Film

FILM 101 Introduction to film (3-5)
Introduction to the art of cinema through exposition and examination of basic components of film. (H)

FILM 130 Introduction to film history (5)
This course examines the history of film as an international artistic medium from its inception to the contemporary era. Topics to be discussed may include invention and early expansion, the silent era, the classical Hollywood studio cinema, postwar cinema, international movements, and contemporary. (Hg)

FILM 210 Film genres (5)
Formerly FILM 110. This course is an introduction to the study of selected major film genres. Includes analyzing and discussing representative genre films to determine their formulae, conventions, and iconography. Also covers the historical, sociological, and mythological dimensions of genre. Advisory: ENGL& 101 (Hw)

FILM 220 Film adaptations (5)
Formerly FILM 120. An introduction and investigation into the art of adaptation, examining the relationships between films and their source material and the times which produced them, looking especially close at remakes and the generational shifts they mirror. Advisory: ENGL& 101 (Hw)

FILM 240 Documentary film (5)
Formerly Film 140. This course will examine the wide range of motives and styles, from Nazi propaganda to ethnographic films to the evening news. We will discuss the relationship of documentary film to conscience, knowledge, art, and ideology. Course will explore such aspects of documentary film making as director personality, funding, and ethical considerations in producing documentary films. Advisory: ENGL& 101 (Hw)

FILM 264 Women in Film (5)
This course introduces students to the roles women have occupied in the history of cinema, onscreen and off. Students will study the historical and cultural conditions under which women have worked in film, learn about gender theory, and develop methods of understanding and appreciating film art. Advisory: ENGL& 101 (Hwdg)

FILM 265 American LGBTQ+ cinema (5)
Film 265 (American LGBTQ+ Cinema) explores representative American films about LGBTQ+ experience, mostly made by lesbian, gay, bisexual, and transgender directors, writers, and performers. Students will examine films for their cinematic elements, as well as their themes and their relationships to the lives of their creators and to LGBTQ+ culture. Advisory: ENGL& 101 (Hwd)

FILM 280 International film (3-5)
Formerly Film 180. This course will introduce students to the cinematic traditions, development, aesthetics, and selected works of countries and cultures outside of the United States and Canada. Particular works, artists, and traditions may be emphasized at the instructor's discretion, but students will be offered an opportunity to study and more deeply appreciate films from the "Other Hollywood". Advisory: ENGL& 101 (Hwg)

FILM 294 Special topics in film studies (3-5)
Formerly Film 194. An in-depth examination of a particular area of Film Studies. Possible topics include, but are not limited to, a particular film genre, a particular film technique, a particular medium of filmmaking, the work of a particular director, a particular period in film history, a particular stylistic school, or a particular theoretical construct. Advisory: ENGL& 101 (Hw)

FILM 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in film. Program Admittance: acceptance into the Honors Program. (H)

FIN-Finance

FIN 100 Personal finance (5)
The course is designed to introduce students to basic concepts as they relate to personal finance. The course will explore many areas of personal finance, including income, savings, and spending patterns, techniques for planning and budgeting, various types of insurance products, investing fundamentals, and retirement and estate planning issues. (UE)

FIN 190 Finance internship (1-5)
The student will complete an academic finance internship that offers experience-based learning, in a structured, supervised, and career-related setting. Measurable internship learning outcomes are collaboratively created by the student, internship supervisor, and faculty mentor. The student will develop professional readiness skills needed for the accounting field. Repeatable with program permission. (UE)

FIN 215 Principles of finance (5)
This course is designed to introduce students to basic financial concepts and theories. It will explore many areas of finance, including, but not limited to: the time value of money, financial institutions, breakeven analysis, working capital management, mergers, acquisitions, divestitures, investments, and debt and equity. Advisory: ACCT& 201 (UE)

FIN 235 Investments (5)
This course is designed to provide students with an introduction to the theory of investments. Topics include, but are not limited to, the following: interest rates, mutual funds, bond prices and yields, diversification, futures contracts, stock options, risk, and the rate of return. Advisory: ACCT& 201 (UE)

FRCH-French

FRCH 105 Introduction to French phonetics (3)
In this course, students will be introduced to general principles of French phonetics and improve their pronunciation and understanding of spoken French through audio exercises, poems, short readings, and dialogues. Prerequisite: FRCH& 121 Advisory: FRCH& 122 (LE)

FRCH& 121 French I (5)
This course is an introduction to the essentials of pronunciation, basic grammar and vocabulary, and aspects of francophone culture. Emphasis is on developing proficiency in oral and written communication. Intended for students who have no prior experience in French. (Hg)

FRCH& 122 French II (5)
This course introduces new verb tenses and further develops skills in speaking, reading, writing, and understanding the language. Continued emphasis on use of language for communication and exposure to aspects of francophone culture. Prerequisite: FRCH& 121 (Hg)

FRCH& 123 French III (5)
This course is a continuation of FRCH& 122. It introduces additional verb tenses and more advanced grammar constructions and vocabulary to further develop skills in speaking, reading, writing, and understanding the language. Continued emphasis on use of language for communication and exposure to aspects of francophone culture. Prerequisite: FRCH& 122 (Hg)

FRCH& 221 French IV (5)
A second-year course building upon the foundation of the first year sequence, while introducing and practicing more advanced grammatical structures and vocabulary in culturally relevant situational and functional contexts. Taught in French. Prerequisite: FRCH& 123 (Hg)

FRCH& 222 French V (5)
Continuation of French 221 with continued emphasis on language for communication while increasingly stressing reading comprehension strategies and effective writing. Further exposure to aspects of francophone culture. Taught in French. Prerequisite: FRCH& 221 (Hg)

FRCH& 223 French VI (5)
Continuation of French 222 with continued emphasis on language for communication and formal writing techniques while studying more advanced structures and registers. Further exposure to aspects of francophone culture through literature and film. Taught in French. Prerequisite: FRCH& 222 (Hg)

FRCH 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in French. Program Admittance: acceptance into the Honors Program. (H)

GEOG-Geography

GEOG& 100 Introduction to geography (5)
This course is introduction to the basic principles of physical and human geography. Covers patterns of settlement, population, resource and economic development, climates, and landforms. (SSgs)

GEOG& 102 World regional geography (5)
Formerly GEOG 105. This course is a study of the world in terms of its physical, historical, cultural, economic, and environmental factors. Focus is on each region of the world and how its residents create their own cultural landscape. (SSgs)

GEOG 110 Introduction to physical geography (5)
This course is presented from a social science perspective toward the physical processes on the surface of the earth, including landforms, weather, river systems, earthquakes, and volcanoes; and how these processes affect humans and their societies and environments. This class will include investigative activities, field trips, and outdoor experiments. (SSgs)

GEOG& 200 Human geography (5)
An introduction to the cultural, economic, and environmental factors that influence the spatial distribution of people on local and global scales. Emphasis will be placed on problems of population growth and sustainable resource use as well as studies of populations in disaster-prone areas. (SSgs)

GEOG 243 Urban geography (5)
An introduction to the physical, cultural, and political forces that influence the location and development of urban areas and cities. Emphasis on the relationship between physical geography, technology, and transportation and their impact on urban landscapes. (SSg)

GEOG& 250 Geography of Pacific Northwest (5)
Formerly GEOG 115. This course explores the cultural and physical geography of Washington, Oregon, Idaho, Alaska, and Lower British Columbia. During this course students will examine physical geography concepts and their relationship to settlement, population, and economic patterns. Placement: ENGL& 101 (SSwds)

GEOG 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in geography. Program Admittance: acceptance into the Honors Program. (SS)

GEOL-Geology

GEOL 100 Introduction to earth science (5)
This course is an introduction to geology, oceanography, and meteorology. Examines the interaction of physical processes on earth with human affairs. Lab work included. (MSl)

GEOL& 101 Introduction to physical geology (5)
Intended for non-science majors. Survey of geologic structures, processes and materials that are important on earth; emphasis on interactions between human affairs and geologic environment. Not open for credit to students who have taken GEOL 211. Lab work and field trips included. (MSl)

GEOL 104 Finding things out: Earth (5)
Part of a three quarter set of courses using extensive hands-on and inquiry-based activities to help students understand a few central ideas in earth science regarding the flow of energy and matter. Students will develop critical thinking skills required to pursue scientific understanding of important ideas in geological systems. Prerequisite: PHYSC 104 Preferred sequence is Prerequisite: GEOL 104 Prerequisite: BIOL 104 Advisory: PHYSC 104 (MSl)

GEOL 110 Environmental geology (5)
This course is the study of geological processes and materials and the effects of human interaction with the geological environment. Emphasis is on global aspects of many geological conditions. Includes geological hazards, energy and mineral sources. May include field trips. (MSgs)

GEOL 140 Natural disasters (5)
This course is a study of the nature, causes, impacts, and methods of coping with natural disasters, including earthquakes, volcanic eruptions, landslides, floods, tsunamis, tornadoes, hurricanes, droughts, blizzards, fires, and other topics. Lab work and field trips included. (MSgsl)

GEOL 150 Introduction to weather (5)
Study of the earth's weather; composition and structure of the atmosphere; physical processes involved in weather phenomena such pressure systems, fronts, clouds, precipitation, wind, storms, violent weather, weather observations, forecasting and Koeppen climate classification. Lab work included. Advisory: MATH 098 (MSl)

GEOL 211 Physical geology (5)
This course is intended for science majors. Topics include: composition and structure of earth, identification of common rocks and minerals, formation of surface features of continents and ocean floor, and interpretation of land forms from maps. Lab work and field trips included. (MSl)

GEOL 212 Historical geology (5)
History of the earth and of the plants and animals that have left their records in the rocks. Application of physical geologic principles to unravel the sequence of dynamic events that have shaped the earth as we know it today. Lab work and field trips included. Prerequisite: GEOL& 101 or Prerequisite: GEOL 211 and Prerequisite: Placement in ENGL& 101. (MSwl)

GEOL 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in geology. Program Admittance: acceptance into the Honors Program. (MS)

GERM-German

GERM 104 Accelerated elementary German (5)
A comprehensive, intensive review of elementary German through both traditional grammar/ vocabulary study and active communication. For those who at some time have completed the equivalent or near equivalent of college-level, first year German (or two years high school level German) but need a thorough review before undertaking further study. Prerequisite: college level first year German or the equivalent. (Hg)

GERM& 121 German I (5)
This course is an introduction to the essentials of pronunciation, basic grammar and vocabulary, and aspects of German-speaking cultures. Emphasis is on developing proficiency in oral and written communication, as well as in aural comprehension and reading. Intended for students who have no prior experience in German. (Hg)

GERM& 122 German II (5)
Continuation of GERM& 121. Introduces new verb tenses and further develops skills in speaking, reading, writing and understanding the language. Continued emphasis on use of language for communication and exposure to aspects of German-speaking cultures. Prerequisite: GERM& 121 (Hg)

GERM& 123 German III (5)
Continuation of GERM& 122. Introduces additional verb tenses and more advanced grammar constructions and vocabulary to further develop skills in speaking, reading, writing and understanding the language. Emphasis on active communication skills. Exposure to aspects of German speaking culture. Prerequisite: GERM& 122 (Hg)

GERM 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in German. Program Admittance: acceptance into the Honors Program. (H)

HIST-History

HIST& 116 Western civilization I (5)
This course covers early civilized man to the early Middle Ages of Europe, with an emphasis on Greece, Rome, Egypt, and other Mediterranean peoples. (SSg)

HIST& 117 Western civilization II (5)
This course examines Europe during the High Middle Ages, later Middle Ages, Renaissance and Reformation, Early Modern Europe, and ends with the French Revolution. (SSg)

HIST& 118 Western civilization III (5)
This course examines Western Europe from the French Revolution to the present, examining modern nations, their ideologies, growth, and conflicts. (SSg)

HIST 120 US foreign policy from 1945 to the present (3)
This course investigates the dominant themes of American diplomatic tradition and traces the evolution of US foreign policy from World War II to the present. Primary focus will be on the Cold War and how it influenced diplomatic and military policy around the globe, along with an analysis of post-Cold War and "single superpower" diplomacy including the war on terror, the war on drugs, and US intervention in various countries. Placement: ENGL& 101 (SSwg)

HIST 124 Environmental history of the United States (5)
History of the relationship between humans and the natural world within the present boundaries of the United States, with an emphasis on the period since 1600. Explorations of the role of social and cultural factors like class, race, and gender on humans' interactions with and impact on the environment. Placement: ENGL& 101 (SSws)

HIST& 126 World civilizations I (5)
Examines major events and processes in world history from 3500 BCE to 1300 CE, including the agricultural revolution, urbanization, and growth of major civilizations within the Mediterranean Basin/Near East, Asia, Africa, the Americas, and Europe. Themes include: origins of dominant religious traditions; trade, conquest, and empire; and human-environment interactions. (SSg)

HIST& 127 World civilizations II (5)
This course examines the major events and themes in world history between 1300 and 1815. It will include analysis of the important achievements, ideologies, and conflicts in Asia, Europe, the Americas, and Africa. (SSg)

HIST& 128 World civilizations III (5)
This course examines the major events and developments in world history since 1815. Major themes will include industrialization; imperialism, resistance, and decolonization; nationalism, revolution, and state building; the growth of dominant political ideologies and mass movements; global conflict and genocide; neocolonialism; the Cold War; and human-environment interactions. (SSg)

HIST& 146 US history I (5)
Survey of Native American societies, European explorers, and the lifestyles on the new continent, the independence movement, and the problems of a new nation before 1815. (SSd)

HIST& 147 US history II (5)
Survey course covering the rise of nationalism, evolution of American lifestyles, Civil War, westward movement, and the American industrial revolution from 1815 to World War I. (SSd)

HIST& 148 US history III (5)
Survey course exploring the social, political, and economic history of the United States since World War I. (SSd)

HIST 158 Religions of the Far East (5)
This course is a survey of the religious traditions of India, South Asia, China, and Japan. Emphasis is on Hinduism, Buddhism, Taoism, Confucianism, and Shinto. Discussion of the impact of these religions on contemporary society. (SSg)

HIST 204 History of Mexico (5)
This course introduces students to the rich history of Mexico. Students will be expected to develop and demonstrate an understanding of the events, characteristics, and basic institutions that have shaped Mexican society. Course will focus particularly on the impact of historic events as they affect Mexico's three major social groups: indigena, mestizo, and privilegiado. (SSg)

HIST 205 Latin America 1900 to present (3)
This course explores the historical development of Latin American nations since 1900. Coverage includes modern issues such as consolidation of democracy, revolutionary movements, imperialism, and globalization. On completion, students will be expected to demonstrate knowledge of the historical events and institutions of several Latin American nations. (SSg)

HIST 208 History of Africa from 1800 to present (5)
This course focuses on the pre- and post-colonial cultures and institutions in Africa from 1800 to the present time. The history of change in African societies will be viewed from anthropological, political, and economic perspectives. Societies studied include a range from foraging types to industrialized nations. The changing relationship between traditional African cultures and global development will also be considered. (SSg)

HIST 210 The American frontier west (3)
This course covers the history of the American Western frontier, westward movement, native and immigrant settlement, and social and economic development. (SS)

HIST 212 History of China (5)
This course will introduce Chinese society in its cultural and historical form from its earliest form to the emerging China nation of the 21st century. Emphasis will be placed upon the continuing influence of traditional cultural values upon the current nation state, their effect upon neighboring societies, and the impact of earlier conflicts with other societies and cultures upon today's China. (SSg)

HIST 213 History of Japan (5)
Introduction to the history and culture of Japan with an emphasis on how the cultural value system of Japan impacts both its people and foreign interests. Includes discussion of Japan's practice of borrowing selectively from other cultures as a means to reach its goals. (SSg)

HIST& 214 Pacific NW History (5)
This course is an introduction to the social, political, economic, and environmental history of the Pacific Northwest from the eighteenth century to the present. The class will focus on how a diversity of peoples lived in the region and interacted with the land, water, and natural resources in the Pacific Northwest. (SSd)

HIST& 215 Women in US history (5)
This course explores women's place in American history, including historical attitudes about women's place in society, the struggles of women's rights movements, and the realities of life and work for women of a variety of backgrounds in American History from pre-colonial times to the present. Program/Degree Requisite: placement in ENGL& 101. (SSwd)

HIST& 219 Native American history (5)
This course covers Native American history in North America (especially United States' regions), from the 1400's to the present. Topics include: Native cultures before European contact, impacts of Europeans (trade, diseases, Christianity, settlements, and warfare), treaty-making, wars, reservation life, boarding schools, changing federal policies, and the resurgence of Indian culture and rights. (SSd)

HIST 220 Modern Asia (5)
Survey of selected periods of the nineteenth and twentieth century history of South Asia, Southeast Asia, and East Asia. Social and cultural roots of countries examined in the context of increased contact with the West and related changes of the economy and government. (SSg)

HIST 225 History of the modern Middle East (5)
This course is a survey of cultural, religious, and political dimensions of the Middle East from the rise of Zionism around 1900 to the early 21st century. This includes the decline of colonialism and the formation of independent nation states in the area, the Arab-Israeli conflict, the effects of oil, the Iranian revolution, conflicts in the Persian Gulf, and terrorism. (SSg)

HIST 230 Survey of Russian history (5)
Overview of Russian history and culture with special emphasis on the last three centuries. (SSg)

HIST 233 History of Australia and New Zealand (5)
This course surveys the development of Australia and New Zealand from the beginning of human habitation, through the exploration and colonization by Europeans, to the establishment of national governments, and the emergence of truly multicultural societies at the end of the 20th Century. This course is offered only to students participating in the Australia/New Zealand study abroad program. (SSg)

HIST 240 The Holocaust (5)
The history of the Holocaust in the World War II era. Explores the role of the Nazi state and non-German collaborators in committing genocide across Europe. The course also focuses on historical and literary interpretations of the Holocaust since 1945, with an emphasis on collective memory. Placement: ENGL& 101 (SSwg)

HIST 250 American military history (5)
This course surveys the history of the American military and the relationship between the military and American society from the early-1600s to the present. (SSd)

HIST 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in history. Placement: acceptance into the Honors Program. (SS)

HIST 299 Mapping local history (5)
This course explores the relationship between geography and history using maps and archival records. Students will read and discuss conceptual material pertaining to space, time, and place as a way of understanding society and culture. (SS)

HLTH-Health

HLTH 118 Fund. patient navigation and care coordination (7)
Introduction of the health and community services systems. Factors affecting patients such as chronic disease, behavioral health, wellness, patient activation, communication are explored. The diverse patient experience, decision support, and advocacy will be covered. (UEd)

HLTH 119 Advanced patient navigation & care coordination (8)
This course builds on content and practices examined in Fundamentals of Patient Navigation and Care Coordination. The course will enable students to develop advanced level knowledge, skills, strategies and practice to navigate the complex health and community services systems and influence patient outcomes. Prerequisite: HLTH 118 (UEd)

HLTH 124 Behavioral health navigation (2)
This course explores care coordination and navigation for populations with behavioral health needs. An overview of behavioral health systems, eligibility, and access issues are presented. Topics include; individual and family centered service coordination, response to acute behavioral health situations, working with interdisciplinary teams, access to behavioral health resources, interventions and referral. (UE)

HLTH 126 Care navigation and coordination: Older adults (2)
This course will explore care coordination and navigation with older adults. An overview of the aging process will be discussed. Topics will focus on individual and family centered care issues, communication and health literacy, working with interdisciplinary teams, chronic conditions, prevention, transitions, and resource referral. (UE)

HLTH 129 Physiology & pharmacology of psychoactive drugs (5)
Information on the physical impact and the response of the human body to alcohol and other drugs of abuse. The fundamentals of pharmacology, pharmacokinetics, neurological functions and current research supporting effective prevention, intervention, and treatment included. Concepts and terminology for working on a professional multi-disciplinary treatment team explored. Advisory: HLTH 131 (UE)

HLTH 131 Survey of addiction (4)
The nature and scope of alcohol/drug use, abuse, and addiction as well as problems with compulsive behaviors. Basic drug categories and effects are studied. The evolution of social policy, culture, and impacts upon vulnerable populations including prevention, intervention and treatment are discussed. (LE)

HLTH 132 Law, ethics & professional development (3)
Course is designed to meet the Substance Use Disorder Professional educational requirements for legal, ethical, and professional development. Will examine federal and Washington State rules and regulations pertinent to Substance Use Disorder Professionals, including federal confidentiality laws. (UE)

HLTH 133 Family systems/adolescent treatment (4)
Examines family and adolescent treatment issues in the context of family systems and the dynamics of addiction. An overview of structural, functional, and system approaches will be explored. Family roles and the relationship between diverse family dynamics and structure, multi-generational transmission, and developmental information will be applied to the treatment of addictions. Advisory: HLTH 131 recommended (UE)

HLTH 134 Counseling techniques (5)
Course focuses on interviewing principles, counseling techniques, theory, and core counseling competencies of a Substance Use Disorder Professional. The course will include a combination of didactic and experiential learning related to assessment, relationship building and engaging with individuals and families. Students improve basic counseling and crisis management skills for vulnerable populations seeking professional help. Advisory: HLTH 131 (UE)

HLTH 140 Counseling diverse populations (4)
Provides foundational information about multicultural perspectives as well as culturally sensitive counseling dynamics. Emphasis on the development of knowledge and skills regarding addiction and health concerns, and appropriate intervention and treatment methodologies for working in a diverse society. Prevention of infectious diseases and supporting individuals with infectious diseases, particularly HIV. Advisory: HLTH 131 recommended (UEd)

HLTH 155 Fundamentals of medical interpreting (3)
This course explores the professional practice of medical interpretation in healthcare settings. A framework of the roles, responsibilities and skills of an interpreter will be explored. Topics focus on ethics and standards; qualities and skills; healthcare systems; cultural competency; and skills practice on a range of interpreting tasks. Advisory: ENGL 095 or higher and equivalent proficiency in a second language. (UE)

HLTH 169 Motivational Interviewing (5)
Provides introductory information about Motivational Interviewing and the Trans-theoretical Model of the Stages of Change for behavioral health practitioners. Emphasis on the development of knowledge and skills needed to effectively engage individuals struggling with behavioral health disorders to make a positive change. (UE)

HLTH 193 Care of the older adult (3)
This course will explore the care of the older adult in the health care setting. An overview of the aging process and effects will be discussed. Topics will focus on reducing functional decline, physical care, safety, dementia issues, and common health conditions of the geriatric individual. (UE)

HLTH 194 Introduction to behavioral health (3)
The course explores the care of patients with behavioral health needs in primary healthcare and behavioral health treatment settings. Overview of mental health and substance use disorders are presented. Topics include adverse childhood experiences, trauma informed care, healing centered engagement, legal and ethical issues, cultural considerations, and techniques of de-escalation. (UE)

HLTH 232 Treatment theories (4)
This course addresses the constructs, underlying principles, theories, practices and desired outcomes of the major models and theories of addiction counseling and treatment. Overview of classical theoretical approaches with emphasis on scientifically supported and evidence based models and theories in the field of addiction treatment. Advisory: HLTH 131 (UE)

HLTH 234 Group facilitation (5)
This course is designed to offer students the basic knowledge and practice to facilitate group counseling within the addiction treatment population in a variety of settings. A variety of group methods and research will be explored with an emphasis on evidence based practices. Advisory: HLTH 131 (UE)

HLTH 235 Case management I (5)
Introduces the role, skills, and competencies of case managers in the field of addictions. Introduces screening and assessment techniques, including American Society of Addiction Medicine criteria, needed for treatment planning. Students will practice screening, documentation and diagnosis of patients through the applications of case studies. Prerequisite: HLTH 129 with a minimum grade of C Prerequisite: HLTH 131 with a minimum grade of C Prerequisite: HLTH 132 with a minimum grade of C (UE)

HLTH 236 Case management II (5)
Students continue to develop skills in clinical assessments and treatment planning that can used in a variety of treatment settings. Strategies for working within the continuum of care, relapse prevention, and discharge planning will be covered. Students will develop skills in referring clients to resources, engaging social supports, and service coordination. Prerequisite: HLTH 129 with a minimum grade of C Prerequisite: HLTH 131 with a minimum grade of C Prerequisite: HLTH 132 with a minimum grade of C Prerequisite: HLTH 235 with a minimum grade of C (UE)

HLTH 237 Co-occurring behavioral health disorders (4)
Course will focus on clients who have one or more disorders related to the use of drugs or destructive compulsive behaviors and one or more mental health disorders. An overview of diagnostic criteria, assessment, medication, specific mental disorders, and need for linkage between mental health services and substance abuse treatment. Advisory: HLTH 131 (UE)

HLTH 238 Substance use disorder professional practicum (4)
The practicum provides counselor trainee experiences. Students will observe and experience organizational dynamics of treatment and community agencies. The course consists of one lecture hour weekly and a total of 132 clinical hours on-site. Prerequisite: HLTH 129 with a minimum grade of C Prerequisite: HLTH 131 with a minimum grade of C Prerequisite: HLTH 132 with a minimum grade of C Prerequisite: HLTH 235 with a minimum grade of C Prerequisite: HLTH 239 with a minimum grade of C Co-requisite: HLTH 240 (UE)

HLTH 239 SUDP pre-practicum (2)
This course prepares students for practicum through preparing resumes, goals, selecting and scheduling interviews at behavioral health clinics. Students will be able to identify professional behavior and attitudes for working in behavioral health clinics. Prerequisite: HLTH 129 with a minimum grade of C Prerequisite: HLTH 131 with a minimum grade of C Prerequisite: HLTH 132 with a minimum grade of C Prerequisite: HLTH 235 with a minimum grade of C (UE)

HLTH 240 SUDP practicum seminar (1)
This is the concurrent course to HLTH 238 Substance Use Disorder Professional Practicum. Students will meet together to discuss their practicum experience and apply knowledge of substance use disorder treatment to clinical case studies. Prerequisite: HLTH 239 with a minimum grade of C Co-requisite: HLTH 238 (LE)

HLTH 280 Survey of addiction - aternative training (3)
This course explores the nature and scope of alcohol/drug use, abuse, and addiction as well as problems with compulsive behaviors. Basic drug categories, symptoms of addiction, disease models, and cross-cultural aspects of substance use disorders are studied. Prevention, intervention and treatment are discussed. Program Admittance: required. (UE)

HLTH 281 Law & ethics for addiction counseling alt (2)
This course provides an overview of industry standards and competencies and provides a framework of laws and regulations for addiction services. Ethics and guidelines for practice will be covered. Students will explore values and beliefs, and apply practice to ethical decision making. Placement: ENGL& 101. (UE)

HLTH 282 Pharmacological & physiological drug actions (3)
This class covers information on the physical impact and the response of the human body to alcohol and other drugs of abuse. The fundamentals of pharmacokinetics, neurological functions and current research on prevention, and treatment will be studied with special focus on effective intervention strategies for each class of drug. Placement: ENGL& 101. (UE)

HLTH 283 Family systems/adolescent treatment addiction (2)
This course provides an overview of family history, genograms, boundaries, and rules in addiction counseling. Adolescent development, genetics, environment, and diagnosis and treatment are covered. Evidence based programs and recovery and support are explored. Placement: ENGL& 101. (UE)

HLTH 284 American society of addiction medicine alt (3)
This course introduces the American Society of Addiction Medicine (ASAM) criteria. It provides a clinical overview of case management, intake and assessment, withdrawal and intoxication management, service planning and placement, risk ratings, level of care placement. Placement: ENGL& 101. (UE)

HLTH 285 Addiction treatment: Individual & group alt (2)
This course covers evidenced based approaches and systems of care in individual and group addiction treatment. Systems of care, historical models, healthy system recovery, and new peer supports are explored. Placement: ENGL& 101. (UE)

HONOR-Honors Program

HONOR 299 Honors program special project (2-3)
An opportunity to explore beyond usual course boundaries and produce an original product. Individual work will be mentored by a faculty member in a specific discipline. Prerequisite: prior completion of one Honors Program seminar and Prerequisite: permission of Honors Program Coordinator. ()

HSC-High School Completion

HSC 10 English essentials (1-5)
Survey of Language Arts skills needed for college and careers including reading strategies. Provides a practical focus on the applied use of grammar, punctuation, and usage skills in sentence and paragraph development. Repeatable with program permission. Prerequisite: Completion of CASAS Assessment and permission from Transitional Learning Programs. (N)

HSC 11 Basic composition (1-5)
Focuses on organization in writing. Includes an introduction to the analysis of the writing of others, synthesis of personal knowledge and opinion with evidence, and use of citation. Repeatable with program permission. Prerequisite: Completion of CASAS Assessment and permission from Transitional Learning Programs. (N)

HSC 22 United States history I (1-5)
Surveys United States history from pre-colonial times to the Civil War. Repeatable with program permission. Prerequisite: Completion of CASAS Assessment and permission from Transitional Learning Programs. (N)

HSC 24 Washington state history (3-5)
History of the exploration and settlement of the Northwest including Native American history. Survey of the growth of political, economic, and social institutions in the state. Includes study of state and local government structures. Repeatable with program permission. Prerequisite: Completion of CASAS assessment and permission from Transitional Learning Programs. (N)

HSC 27 United States government (1-5)
Surveys the United States system of government including the constitution and the three branches of the federal government and the shared powers of federal, state, and local governments. Repeatable with program permission. Prerequisite: Completion of CASAS Assessment and permission from Transitional Learning Programs. (N)

HSC 28 Contemporary world issues (1-5)
Survey of a variety of contemporary issues effecting our world. May include discussions on current events, government, and economy of the world. Repeatable with program permission. Prerequisite: Completion of CASAS Assessment and permission from Transitional Learning Programs. (N)

HSC 37 Physical science (1-5)
Survey of two or more topics from the following list: structure of the Earth, plate tectonics, geological cycles and processes, renewable and nonrenewable natural resources, weather and climate, the solar system, the universe, atoms and molecules, properties and states of matter, chemical reactions, energy and work, motion and forces, waves, electricity, and magnetism. Repeatable for credit with different topics. Prerequisite: Completion of CASAS Assessment and permission from Transitional Learning Programs. (N)

HSC 38 Life science (1-5)
Introductory survey of Anatomy and Physiology. The course will focus on basic cell structure and three body systems per quarter. Repeatable for credit with different body systems. Lab work included. Prerequisite: Completion of CASAS Assessment and permission from Transitional Learning Programs. (N)

HSC 50 Academic transitions (1-5)
Designed for ABE and High School Completion and Re-engagement students new to the college environment. Introduction to the college environment; program and college services; academic literacy; study skills and time management; and skills necessary to become a successful student. Lectures, small group discussion, virtual lessons, and experiential exercises. Program Admittance: required. (N)

HSC 60 Occupational education/experience (1-5)
This course is designed to assist students in determining their personal, education, and occupational goals by identifying marketable skills and exploring the current labor market. Repeatable with program permission. Prerequisite: Completion of CASAS Assessment and permission from Transitional Learning Programs. (N)

HSC 62 Physical education and wellness (1-5)
Development of physical health and fitness skills. Areas of focus will vary by quarter but may include: walking, dancing, cardio work, weight lifting, individual and/or team sports. Repeatable with program permission. Prerequisite: Completion of CASAS Assessment and permission from Transitional Learning Programs. (N)

HSC 63 Personal health topics (1-5)
Survey of personal health related topics including: wellness, food and nutrition choices, exercise, and disease prevention. Repeatable with program permission. Prerequisite: Completion of CASAS Assessment and permission from Transitional Learning Programs. (N)

HSC 65 Art (1-5)
Introduces and explores various forms of art, including visual works, and performance art such as dance, music, and theater. Topics will vary each quarter. Repeatable with program permission. Prerequisite: Completion of CASAS Assessment and permission from Transitional Learning Programs. (N)

HSC 71 Mathematical concepts (1-5)
Provides a review of arithmetic operations on whole numbers, fractions, and decimals. Covers applications of percent, proportions, and ratios in order to solve multi-step problems using the fundamentals of algebra. Prepares the student for future math courses while introducing critical thinking, problem-solving, and collaborative work in math-related real world situations. Repeatable with program permission. Prerequisite: Completion of CASAS Assessment and permission from Transitional Learning Programs. (N)

HSC 72 Introduction to algebra (1-5)
A beginning algebra course that develops proficiency in fraction and signed number arithmetic, evaluation of expressions, and solving linear equations in one variable. Repeatable with program permission. Prerequisite: Completion of CASAS Assessment and permission from Transitional Learning Programs. (N)

HSC 73 Geometry (5)
This course reinforces the study of algebraic concepts with an exploration of the following geometric relationships: points, lines, planes, polygons, circles, 3D figures, and the concepts of proportion, similarity, and congruence, area, and volume. Program Admittance: Completion of CASAS Assessment and permission from the Transitional Learning Programs. (N)

HSC 74 Introduction to Algebra II (5)
This course is the second in a two-course algebra sequence. Students are expected to be proficient in the first half of an Introductory Algebra course sequence. Includes dimensional analysis, exponent rules (including negative and rational exponents), simplifying radical expressions and solving radical equations, solving and graphing quadratic equations. Program Admittance: required Placement: HSC 074 Prerequisite: MATH 097 with a minimum grade of C or Prerequisite: HSC 072 with a minimum grade of C or (N)

HSC 75 Financial Literacy (1-5)
The purpose of financial education instruction is to provide students with the knowledge and skills they need to make sound decisions as students, consumers, workers, entrepreneurs, savers, and investors. This course covers student debt management, budget building, credit establishment, insurance, bank account maintenance, and savings goal establishment. Prerequisite: Completion of CASAS Assessment and permission from Transitional Learning Programs. (N)

HTBM-Hospitality & Tourism Business Management

HTBM 120 Consumer relations and service excellence (5)
Course enables students to develop skills in order to prepare them for successful employment in the consumer relations and service field. Students will identify and explore consumer relations, company cultures, service recovery, and communication skills. (UE)

HTBM 175 Travel, tourism, business and society (4)
Overview of the major components of the travel and tourism industry. Students will learn about top travel destinations, reservation and ticketing systems, tour planning and operators, sales and marketing, trends, economic impact, the cruise market, and transportation modes. Simulation exercises and internship assignments provide practical application. Advisory: MATH 094 Advisory: ENGL 095 Advisory: ESOL 115 and Advisory: BTEC 101 (UE)

HTBM 176 Food and beverage operations management (4)
This course is designed as an overview of the basic principles and theories of catering and food service operations. Students will identify types of catered events both on and off premises. Special emphasis is placed on types of food and beverage functions, marketing, production and event planning, financial controls and contracts, room arrangements and personnel. Advisory: ESOL 115 or Advisory: MATH 094 Advisory: ENGL 095 and Advisory: BTEC 101 (UE)

HTBM 177 Meeting and event planning (4)
This course is designed to survey the basic concepts and details in planning and coordinating meetings and events. This course will help students with the logistics of the planning process, evaluating meeting sites and set-up, budget preparation, promotion, developing contracts, coordination of staff, audio-visual requirements, and event design. Advisory: ESOL 115 Advisory: MATH 094 Advisory: ENGL 095 and Advisory: BTEC 101 (UE)

HTBM 179 Introduction to hospitality management (5)
The course will introduce students to the exciting world of hospitality concepts and practices. The course covers the scope and forms of the hospitality industry, lodging, food and beverage, transportation, retail outlets, and special events. The management practices of hotels, resorts, convention centers, restaurants, and casinos are introduced. History, leadership, organizational structure, franchising are presented. Advisory: ENGL 095 or Advisory: ESOL 115 or Advisory: ENGL& 101 (UE)

HTBM 190 Hospitality & tourism business mgt internship (1-5)
Students will complete an academic internship that offers experience-based learning, in a structured, supervised, and career-related setting. Measurable internship learning outcomes are collaboratively created by the student, internship supervisor, and faculty mentor. Students will develop professional skills necessary for work in the hospitality management field. Repeatable with permission. Advisory: CO-OP 180 (UE)

HTBM 205 Hotel operations management (5)
An in-depth view of management operations within the lodging industry. Areas emphasized include: front office operations, revenue management, check in and settlement procedures, reservations, handling guest relations, management concerns of various departments. Students will survey lodging systems, operations, hospitality terminology, and interdepartmental communication. Advisory: ESOL 115 or Advisory: ENGL 095 Advisory: MATH 094 Advisory: HTBM 179 Advisory: BTEC 101 (UE)

HUM-Humanities

HUM& 101 Introduction to the humanities (6)
Interdisciplinary introduction to global humanities (literature, philosophy, architecture/ design, visual and performing arts, etc.), emphasizing experience and participation. Individual instructors determine a central theme or issue to establish focus and comparative structure. Seventh credit may be earned by enrolling in HUM& 106 concurrently. Fulfills two Humanities distribution subject areas. Placement: ENGL& 101. (Hwdg)

HUM 106 Humanities here and now (1)
Enrollment can only be concurrent and in conjunction with HUM& 101. This additional credit option requires students to attend or experience events in the arts and generate written critical responses, extending and applying HUM& 101 curriculum. Placement: ENGL& 101. Co-requisite: HUM& 101 (Hwdg)

HUM 130 British life and culture (5)
This course is designed to give students a broad background to the meaning of British culture and civilization. Taking a social, historical, and cultural approach to contemporary British society, this course examines the traditions and institutions to help understand the British way of life in the 21st century. Program Admittance: Admittance to Study Abroad program (Hg)

HUM 131 Italian life and culture (5)
This course is designed to give students a broad background to the meaning of Italian culture and civilization. A social, historical, and cultural approach to contemporary Italian society is taken. Program Admittance: Admittance to Study Abroad program. (Hg)

HUM 132 South african life and culture (5)
This is a required core course and is designed to help students gain optimum benefit from their study abroad experience by providing an introduction to life in South Africa, its people, and its culture. This course is made up of weekly lectures by local faculty covering aspects of South African history, culture, and modern day life. The weekly lectures and visits aim to give an overview of life and culture in this host country. Program Admittance: Admittance to Study Abroad program. (Hg)

HUM 133 Australian/New Zealand life and culture (5)
Humanities course designed to give students a broad background to the meaning of Australian and New Zealand culture and civilization. A social historical and cultural approach to contemporary society in Australia and New Zealand is taken. Program Admittance: Admittance to Study Abroad program. (Hg)

HUM 134 Czech life and culture (5)
This course is designed to give students a broad background to the meaning of Czech culture which includes influences from many European cultures. By examining literature, music, art, architecture, film, religion, and politics, students are introduced to the ideas, myths, symbols, and attitudes of this culture. Program Admittance: Admittance to Study Abroad program. (Hg)

HUM 135 German life and culture (5)
This course is designed to give students a broad background to the meaning of German culture which includes influences from many European cultures. By examining literature, music, art, architecture, film, religion, and politics, students are introduced to the ideas, myths, symbols, and attitudes of this culture. Program Admittance: Admittance to Study Abroad program. (Hg)

HUM 137 Japanese life & culture (5)
This course is designed to give students a broad background to the meaning of Japanese culture and civilization. A social, historical and cultural approach to contemporary society in Japan is taken. Program Admittance: Admittance to Study Abroad program. (LEg)

HUM 170 Cultural history and practices (5-8)
This course examines readings on and discussion of the cultural history and practices of a particular country or region via its arts, literature, philosophy, and history. Maximum credit earned through a study abroad experience. 5-credit core is open to all students. Placement: ENGL& 101 (Hwg)

HUM 220 The western cultural tradition (5)
This course is an interdisciplinary study of a significant period, theme, or region relevant to the Western cultural tradition via the humanities: literature, philosophy, architecture/design, visual and performing arts. Repeatable for credit with different eras, regions, or themes. Fulfills two Humanities distribution subject areas. Prerequisite: ENGL& 101 (Hwg)

HUM 260 American cultural studies (6)
This course is an interdisciplinary study of significant themes/periods in American culture history through the humanities: literature, philosophy, architecture/design, visual and performing arts. Examines culture as a living, breathing, vital thing, not just a collection of artifacts. Repeatable with different periods or themes. Fulfills two Humanities discipline areas. Prerequisite: ENGL& 101 (Hwd)

HUM 270 Studies in global culture (5)
This course is an interdisciplinary study of regional and ethnic cultural heritage via the humanities: literature, philosophy, architecture/design, visual and performing arts. Course focus may be discrete or comparative; emphasis on cultural arena outside of Western tradition. Repeatable for credit with different eras or themes. Fulfills two Humanities distribution subject areas. Prerequisite: ENGL& 101 (Hwg)

HUM 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in humanities. Program Admittance: acceptance into the Honors Program. (H)

HUMDV-Human Development

HUMDV 105 Leadership development I (2)
Designed for students who are involved in leadership positions or who want to develop their individual leadership skills. This course focuses on understanding the concepts of leadership, personal qualities of effective leaders, communication skills for leaders, and developing vision and mission for a group. Various methods of instruction are used including film case study, readings, class discussion, guest speakers, and small group projects. (UE)

HUMDV 106 Leadership development II (2)
Designed for students who are involved in leadership positions or who want to develop their leadership skills. This course focuses on better understanding of people in group interactions, team building, qualities of effective leadership, and project planning and execution for small groups. The course will help students establish a foundation for a personal philosophy of leadership, and a set of skills for practical application in leadership. Various methods of instruction are used including film case study, readings, class discussion, guest speakers, and small group projects. Prerequisite: HUMDV 105 (UE)

HUMDV 107 Leadership applications (2)
This is a project-based class, designed to allow students to gain practical experience in leadership by planning and executing a project. Students refine their leadership skills and abilities and contribute to the college through completion of their selected project. Methods of instruction may include film case study, readings, small group discussion, and guest speakers as appropriate for their project. Prerequisite: HUMDV 105 and Prerequisite: HUMDV 106 (UE)

HUMDV 115 Topics in stress and anxiety management (2)
This course examines selected topics in understanding stress and anxiety in our lives: its causes, the symptoms, and reduction techniques. Emphasis on skills enhancement in management of anxiety and stress through relaxation, rational thinking, visualization, and other strategies. (UE)

HUMDV 117 Career/life planning for those in transition (5)
This course is designed for people in transition to help create a plan of action to acquire training and/or to enter the work force. Includes identifying transferable skills, personal strengths and values, implementing goals, exploring current labor market information, bolstering self-esteem, writing resumes, building interviewing skills, and developing communication skills. S/U grading. Placement: placement in ENGL& 101. Prerequisite: permission of instructor, must meet eligibility requirements. (UE)

HUMDV 122 Focus on assertive behavior (2)
This course focuses on the development of assertive behavior as it relates to effective communication and expression, personality, conflict resolution, anger management, problem solving, risk taking, and personal values and rights. S/U grading. (UE)

HUMDV 125 Psychology of self esteem (2)
Discusses psychological and sociological theories for the basis of an individual's self-esteem. Explores the concepts and processes that affect self-esteem and discusses constructive ways to increase one's own self-esteem and foster positive self-esteem in others. S/U grading. (UE)

HUMDV 135 Mentorship in higher education (2)
We will think broadly about how students learn - and specifically, how one learns to learn. Students will serve as mentors for peers who are interested in improving their academic performance and the transition to life at a college. Prerequisite: Instructor permission (UEd)

IDS-Interdisciplinary Studies

IDS 112 Ethno mathematics (5)
An interdisciplinary quantitative skills course; investigates the interactions between logico-mathematical thinking and cultural perspective. Placement: ENGL& 101 (SSwdg)

IDS 113 Quantitative methods in the social sciences (5)
This is an interdisciplinary quantitative methods course from a social science perspective; includes problem-solving, research design, sampling, and ethical parameters for working with human subjects. Advisory: one course in Anthropology, Sociology or Psychology. (SS)

IDS 123 Arts, business, and community (3)
Interdisciplinary approach to respective roles of the arts and business culture in the community, and how they interact. Students will create projects which demonstrate an understanding of the role of the arts in business and community. Placement: ENGL& 101 (H)

IDS 140 Making musical instruments (5)
Students will learn ceramic techniques as they create several musical instrument forms. This course will combine hands on studio work with lecture and discussion to explore ceramic form and key concepts in sound production and tuning systems. Experimental and world traditions of folk instrument-making will inspire student work and exploration. (Hgp)

IDS 150 Japanese culture and society (5)
This course will provide students with a broad understanding of modern Japanese culture and society. Emphasis is placed on Japanese cultural values and human relations. Students are expected to be able to increase their understanding of Japanese culture and their knowledge of social norms. (LEg)

IDS 152 Religion, society and self-concept (5)
Interdisciplinary course that examines various relationships between religion in American culture as well as from a cross cultural perspective and how this affects social constructs and influences the psyche. Students gain elucidation of both their own beliefs and those around them, both locally and globally. Placement: ENGL& 101 (HSSwdg)

IDS 161 Literature, science and gender (5)
This is an interdisciplinary course that draws from literary theory, the social history of ideas, and women's studies in considering science learning as it has been associated with daily life. Non-traditional consideration of the first-person voice in science. Emphasis is on a wide range of narrative forms and rhetorical strategies used to translate scientific theories into the vernacular. Placement: ENGL& 101 Prerequisite: any 100 level CMST or CMST& course. (HSSMSwd)

IDS 170 Introduction to sustainability (5)
This is an interdisciplinary, introductory course designed to expose students to the history, concepts, and practices of sustainability in three general areas: environmental (ecology), economic (business), and social (community). Includes a practical application of the concepts learned in the class as well as an exploratory section on environmental careers. Placement: ENGL& 101 (SSwgs)

IDS 180 Visual media and culture (5)
This course is an interdisciplinary exploration of cultural identity and values in relation to visual media. It draws on humanities, anthropology, communications studies, and symbolic reasoning. It examines forms of visual expression in global and historical comparison as well as the use of visual media as source material for cultural study. Placement: ENGL& 101 (HSSwg)

IDS 210 Science, economics and politics of sustainable resource use (5)
This course uses interdisciplinary methods to evaluate and compare the uses of different key resources, using methodologies from science, economics and politics. Students will learn about resources, such as energy or water, in the context of scarcity, depletion, climate change, and impact on the environment. Students will learn why these three disciplines must be considered by voters and decision makers as they try to formulate policies and make choices regarding sustainable resource use that are scientifically feasible as well as economically and politically acceptable. Placement: ENGL& 101 Advisory: MATH 098 (SSMSwgs)

IDS 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in IDS. Prerequisite: acceptance into the Honors Program. (HSS)

JAPN-Japanese

JAPN 104 Reading and writing elementary japanese (5)
This course is designed primarily for students with one year of elementary Japanese to prepare them for the intermediate level through a thorough review of elementary Japanese grammar, vocabulary, and kanji. Prerequisite: JAPN& 123 (Hg)

JAPN& 121 Japanese I (5)
This course is an introduction to Japanese grammar, pronunciation, vocabulary, and basic writing (hiragana, katakana, and kanji) through the functional use of Japanese in realistic situations. Attention will be given to social appropriateness of speech and cultural values. Intended for students who have no prior experience in Japanese. (Hg)

JAPN& 122 Japanese II (5)
Continued development of oral fluency and aural comprehension through the practice of Japanese in functional situations. Systematic introduction to the plain and polite forms of speech and their use in various expressions. Continued basic acquisition of reading and writing. Prerequisite: JAPN& 121 (Hg)

JAPN& 123 Japanese III (5)
Development of fluency and accuracy in oral and written communication. Attention given to appropriateness within the Japanese culture context. Introduction to informal forms of speech and further development of plain and polite forms and their use in various expressions. Prerequisite: JAPN& 122 (Hg)

JAPN 151 Reading and writing kanji (2)
This course provides students with basic reading and writing skills by helping develop the knowledge and usage of kanji in a systematic way. Prerequisite: JAPN& 121 (LEg)

JAPN 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in Japanese. Prerequisite: acceptance into the Honors Program (H)

JOURN-Journalism

JOURN 120 Horizon staff (1-5)
Participation in the production of the student newspaper, including writing news articles, editorials and reviews, assisting in layout, editing or photography. Course repeatable for up to 15 credits. Placement: placement in ENGL& 101. Advisory: JOURN 210 prior or concurrent enrollment (UE)

JOURN 210 Writing for the mass media (5)
Fundamentals of news gathering and writing; structure of a news story; the news business as it has evolved in the United States; and the role of the free press in the American political system. Placement: ENGL& 101 (LEw)

JOURN 211 Advanced reporting and editing (3-5)
Development of news gathering and reporting techniques. Advanced techniques of feature writing, with an emphasis on balanced original reporting, effective structure, awareness of audience, precise language usage and journalistic style. Application of media ethical principles. Course repeatable for up to 15 credits. Prerequisite: JOURN 120 or Prerequisite: JOURN 210 or Prerequisite: instructor permission (LEw)

JOURN 212 Advanced editing and production (1-2)
Advanced work on the editorial staff of the student newspaper, including story assignments, editing, mentoring, writing and reporting, layout, photography, copyediting and production. For editors or by instructor permission. May be repeated for credit 3 times. Advisory: JOURN 211 (UE)

LC-Learning Contracts

LC 89 Learning contracts (1-12)
Opportunity to earn credit for independent, individualized learning experiences outside the classroom. Individual contracts developed in specific disciplines with a faculty or community resource person. Prerequisite: Learning contract program coordinator signature required for registration. ()

LC 189 Learning contracts (1-12)
Opportunity to earn credit for independent, individualized learning experiences outside the classroom. Individual contracts developed in specific disciplines with a faculty or community resource person. Prerequisite: Learning contract program coordinator signature required for registration. ()

LC 289 Learning contracts (1-12)
Opportunity to earn credit for independent, individualized learning experiences outside the classroom. Individual contracts developed in specific disciplines with a faculty or community resource person. Prerequisite: Learning contract program coordinator signature required for registration. ()

LIBR-Library

LIBR 194 Special topics in research (1)
This one-credit course is designed to support any academic course which requires research or a research paper. Students learn research methods in a discipline by using print materials, databases, websites and sources from WCC and other academic institutions which can be incorporated into an academic paper or oral presentation. (UE)

LIBR 201 Foundations of research (3)
Introduction to the iterative nature of information while emphasizing information literacy and critical thinking skills. This course explores the relationship between information, data, technology and people, focusing on how research and finding evidence impact ourselves and the world around us. (LE)

MA-Medical Assisting

MA 101 Medical terminology I (2)
This course provides an introduction to medical word building using root words, suffixes, prefixes, and combining forms. (UE)

MA 108 Medical law and ethics (2)
This course covers legal issues affecting the medical office with an emphasis on scope of practice and prevention of liability utilizing good practices and risk management. It includes legalities of medical records, federal and state health care legislation and regulations, access to patient information, contracts, consent, special populations, confidentiality, and ethical boundaries. Program Admittance: required. Advisory: Computer literacy Advisory: ENGL& 101 (UE)

MA 113 Introduction to medical computing (3)
This course is designed to increase competency and confidence using computers, hardware, and software. The course will also explore internet use for communication, collaboration, and research. Assignments will introduce and demonstrate medical professional writing and formatting. Students apply medical scenarios to projects demonstrating competency of software programs. Program Admittance: required. program admittance required.Advisory: MATH 094 Advisory: Keyboard 20 wpm (UE)

MA 129 Concepts in effective communication (2)
This course focuses on therapeutic and professional communication in the medical office. Students will learn components of effective communication, professional language and techniques, and how to use therapeutic communications strategies working with physicians and the office team. Content includes professionalism, customer service, charting, case presentation, psychosocial theory, and special populations. Program Admittance: required. Advisory: ENGL& 101 (UE)

MA 141 Medical office & electronic records (3)
Medical Assistants provide a variety of administrative duties, including telecommunications, scheduling, referrals, patient intake, patient check-in and check-out procedures, opening and closing procedures. Students will practice using Electronic Medical Record (EMR) and office software to perform these tasks with an emphasis on professional communications, documentation, scope of practice, and confidentiality. Program Admittance: required. Advisory: ENGL& 101 (UE)

MA 143 Intro to practice management and basic finance (4)
An introduction to practice management. Course work includes daily finance practices, manual and automated systems, professional writing, office planning and procedures, office workflow and staffing, revenue cycle, insurance types, inventory, equipment maintenance, liability and incident reporting. Emphasis on written and computational accuracy, medical insurances, vendors, professionalism, problem-solving, and accounting practices. Program Admittance: required. Advisory: ENGL& 101 (UE)

MA 145 Insurance-based medical billing and coding (4)
This course covers medical insurance, procedural (CPT), diagnostic (ICD-10), and HCPCS coding. Coding content includes CPT E&M, anesthesia, surgery, laboratory, pathology, radiology, medicine, and modifiers; and ICD-10 coding for body systems, disease, injuries, and neoplasms. Students use software in billing and coding simulations managing patient accounts and professionalism. Program Admittance: required. Advisory: ENGL& 101 (UE)

MA 146 Medical terminology for the medical assistant (4)
This course provides an introduction to medical word building using root words, suffixes, prefixes, and combining forms. Program Admittance: required. Advisory: ENGL& 101 (UE)

MA 147 The human body In health and disease I (4)
This medically focused course is an integrated study of the structures, functions, and disease processes of the human body. This course covers anatomy, basic physiology, and pathology relating to the skeletal, muscular, cardiovascular, respiratory, lymphatic and immune systems. There will be a focus on wellness and prevention. Program Admittance: required. Prerequisite: MA 146 or Co-requisite: MA 146 Advisory: ENGL& 101 (UE)

MA 148 The human body in health and disease II (4)
This medically focused course is an integrated study of the structures, functions, and disease processes of the human body. This course covers anatomy, basic physiology, and pathology of the endocrine, digestive, urinary, reproductive, integumentary, senses, and nervous systems. There will be a focus on wellness and prevention. Program Admittance: required. Prerequisite: MA 147 with a minimum grade of C Advisory: ENGL& 101 (UE)

MA 151 Protective practices (2)
This hands-on course will train students to apply the appropriate protective practices to office safety and office emergencies. Protective practices training will include blood-borne pathogen training, standard precautions, infectious diseases, infection control, disinfecting and sterilization, isolation precautions, and post-exposure plans. Program Admittance: required. Prerequisite: First Aid and CPR certificate and Prerequisite: Seven hour HIV training Advisory: ENGL& 101 (UE)

MA 152 Clinical procedures I (4)
This is an introduction to the role and scope of practice as a clinical medical assistant. Students participate in scenarios performing clinical duties and working in an inter-professional team. There is a focus on basic rooming and vital signs collection, charting, basic patient interviewing, screening, cardiopulmonary procedures, and allergy testing. Program Admittance: required. Advisory: ENGL& 101 (UE)

MA 153 Clinical procedures II (4)
An introduction to laboratory practices, specimen collection and processing, urinalysis, venipuncture, hematology, urinary catheterization, and CLIA-waived tests. Topics include relevant pathology, normal and abnormal values, computation, charting. Students practice lab procedures in the context of assisting providers, physician orders, patient preparation and education, and protocol. Program Admittance: required. Prerequisite: MA 152 with a minimum grade of C Advisory: ENGL& 101 (UE)

MA 154 Clinical procedures III (4)
This clinical course covers skills unique to special populations, specialty offices, minor surgery, age and culture specific care. Students practice assisting the providers with exams, procedures, and orders completion. Includes nutrition. Emphasis on coordination of services, patient education, time management, and critical thinking. Program Admittance: required. Prerequisite: MA 153 with a minimum grade of C Advisory: ENGL& 101 (UE)

MA 156 Pharmacology (4)
A basic pharmacology course covering classification of medications, dosage calculation, prescriptions, references, consent, and scope of practice. Competencies include administration of oral and parenteral medications, eye and ear instillation, suppositories, vaccinations, and assisting with implanted devices. Students do critical thinking exercises to address orders coordination, complications, and patient education. Program Admittance: required. Advisory: ENGL& 101 (UE)

MA 157 Essentials of care navigation (5)
Formerly HLTH 144. An introduction to the knowledge, skills, and attitudes necessary to apply care navigation for the client, first of three courses for a certificate in care navigation. Focus is on the human and healthcare services systems, client profiles, communication basics, chronic illness, and health coaching. Serves as foundational to advanced courses. Program Admittance: required. (UE)

MA 200 Practicum with seminar (8)
Medical assistant students are provided practical experience in an ambulatory care setting under the direct supervision of a medical professional. It provides skills practice, discussion, certification exam preparation and job preparation. This course meets the requirements for certification by the State of Washington. Program Admittance: required. Prerequisite: Completion of all medical assisting certificate core courses prior to entry into practicum with a minimum grade of C. (UE)

MA 225 Behavioral health for medical assistants (4)
Scenario and practice based course to develop skills and apply competencies necessary for Medical Assistants to work with clients with behavioral health disorders in behavioral and integrated healthcare settings. Students will practice documentation; using screening tools; administering psychiatric and medication assisted treatment; providing effective patient education and care coordination. Program Admittance: required. Advisory: HLTH 194 (UE)

MATH-Mathematics

MATH 94 Basic mathematics (5)
Review of addition, subtraction, multiplication and division of fractions. Course also includes order of operations, percentages, rates and proportions, perimeter, area and volume of geometric figures, application problems, introduction to positive and negative numbers, and solving basic algebraic equations. Placement: Placement into MATH 94 or ABE 50 or HSC 71 or Prerequisite: Math placement. (N)

MATH 97 Elementary algebra I (5)
The first in a two course elementary algebra sequence. The course will include solving one variable equations and applications, graphing linear equations, properties of exponents, systems of linear equations and applications, and polynomial operations. Graphing calculators are required. Placement: into ABE 60 or HSC 72. Prerequisite: MATH 094 with a minimum grade of C including a unit of Basic Algebra or (N)

MATH 98 Elementary algebra II (5)
This course is the second in a two course elementary algebra sequence. Students are expected to be proficient in the first half of an Elementary Algebra course sequence (Math 97 or equivalent). Topics include dimensional analysis, exponent rules (including negative and rational exponents), simplifying radical expressions and solving radical equations, solving and graphic quadratic equations. Placement: into HSC 74 Prerequisite: MATH 097 with a minimum grade of C or (N)

MATH 99 Intermediate algebra (5)
A course in functions and fundamentals of algebra intended to prepare students planning to take additional courses in science, technology, engineering, and mathematics. Topics include quadratic equations, rational expressions and equations, functions and graphs, systems of equations (3-variable and non-linear), exponential and logarithmic functions. Graphing calculator required. Prerequisite: HSC 074 with a minimum grade of C or Prerequisite: MATH 098 with a minimum grade of C (N)

MATH& 107 Math in society (5)
This course is an exploration of mathematical concepts with emphasis on observing closely, developing critical thinking, analyzing and synthesizing techniques, improving problem solving skills, and applying concepts to new situations. Core topics are probability and statistics. Additional topics may be chosen from a variety of math areas useful in our society. Graphing calculator required. Prerequisite: MATH 099 with a minimum grade of C or Prerequisite: MATH 088 with a minimum grade of C (QSRMS)

MATH 121 Mathematical modeling and the environment (5)
This course is an exploration of linear, power, exponential, logistic, logarithmic, and difference equations using data analysis and regression. Students will create mathematical models from environmentally themed data sets to better understand different types of relationships between variables. Quantitative reasoning will be heavily emphasized. Graphing calculator required. Prerequisite: MATH 099 with a minimum grade of C (MSs)

MATH 132 Precalculus for Engineering I (5)
First course in precalculus sequence for prospective engineering students, including intermediate algebra content. This course is contextualized in engineering and physics applications and explores the intersections of math, engineering, society, and culture. A graphing calculator is required. Prerequisite: HSC 074 with a minimum grade of C or Prerequisite: MATH 098 with a minimum grade of C (MS)

MATH 133 Precalculus for Engineering 2 (5)
The second course in a precalculus series for prospective engineering students. The course is contextualized in engineering and physics applications and explores the intersections of math, engineering, society, and culture. A graphing calculator is required. Prerequisite: MATH 132 with a minimum grade of C (QSRMS)

MATH 133 Precalculus for Engineering 2 (5)
The second course in a precalculus series for prospective engineering students. The course is contextualized in engineering and physics applications and explores the intersections of math, engineering, society, and culture. A graphing calculator is required. Prerequisite: MATH 132 with a minimum grade of C (QSRMS)

MATH& 141 Precalculus I (5)
The basic properties and graphs of functions and inverses of functions, operations on functions, compositions; various specific functions and their properties including polynomial, absolute value, rational, exponential and logarithmic functions; applications of various functions; conics. A graphing calculator is required. Prerequisite: MATH 099 with a minimum grade of C (QSRMS)

MATH& 141 Precalculus I (5)
The basic properties and graphs of functions and inverses of functions, operations on functions, compositions; various specific functions and their properties including polynomial, absolute value, rational, exponential and logarithmic functions; applications of various functions; conics. A graphing calculator is required. Prerequisite: MATH 099 with a minimum grade of C or Prerequisite: MATH 132 with a minimum grade of C (QSRMS)

MATH& 142 Precalculus II (5)
Second in a two-course sequence designed to prepare students for the study of Calculus. Intended for students planning to major in math and/or science. Course to include right triangle trigonometry; trigonometric functions and their graphs; trigonometric identities and formulae; applications of trigonometry; parametric equations; and polar coordinates. A graphing calculator is required. Prerequisite: MATH& 141 with a minimum grade of C (QSRMS)

MATH 145 Algebra applications for economics and business (5)
This course examines the applications of linear, quadratic, exponential, and logarithmic equations, functions and graphs, mathematics of finance, solution of linear systems using matrices, and linear programming using the simplex method. Graphing calculator required. Prerequisite: MATH 099 with a minimum grade of C (QSRMS)

MATH& 146 Introduction to statistics (5)
Rigorous introduction to statistical methods and hypothesis testing. Includes descriptive and inferential statistics. Tabular and pictorial methods for describing data; central tendencies; mean; modes; medians; variance; standard deviation; quartiles; regression; normal distribution; confidence intervals; hypothesis testing, one and two-tailed tests. Applications to business, social sciences, and sciences. Prerequisite: MATH 099 with a minimum grade of C or Prerequisite: MATH 088 with a minimum grade of C (QSRMS)

MATH& 148 Business calculus (5)
This course covers limits, derivatives, marginal analysis, optimization, antiderivatives, and definite integrals. Examples taken from management, life and social sciences. Prerequisite: MATH& 141 with a minimum grade of C or Prerequisite: MATH 145 with a minimum grade of C (QSRMS)

MATH& 151 Calculus I (5)
This course looks at the study of functions, limits, continuity, limits at infinity, differentiation of algebraic, exponential, logarithmic, and trigonometric functions and their inverses, and applications. Graphing calculator required. Prerequisite: MATH& 142 with a minimum grade of C (QSRMS)

MATH& 151 Calculus I (5)
This course looks at the study of functions, limits, continuity, limits at infinity, differentiation of algebraic, exponential, logarithmic, and trigonometric functions and their inverses, and applications. Graphing calculator required. Prerequisite: MATH 133 with a minimum grade of C or Prerequisite: MATH& 142 with a minimum grade of C (QSRMS)

MATH& 152 Calculus II (5)
This course looks at the study of Riemann Sums, methods of integration, numerical methods, polar and rectangular forms, fundamental theorem of calculus, areas of regions, volumes of solids, centroids, length of curves, surface area, and an introduction to differential equations. Graphing calculator required. Prerequisite: MATH& 151 with a minimum grade of C (QSRMS)

MATH& 163 Calculus III (5)
This course examines multivariate integral and differential calculus; geometry in R3 and in the plane; vectors, acceleration, curvature; functions of several variables, partial derivatives; directional derivatives and gradients; extreme values; double and triple integrals; and applications. Graphing calculator required. Prerequisite: Graphing calculator required. Prerequisite: MATH& 152 with a minimum grade of C (QSRMS)

MATH 175 Grasp the math: Intro to 3D printing (2)
Come to a place where art and math intersect. This class provides an introduction to 3D-printing software and hardware in the context of creating objects using mathematical concepts. Students will have the opportunity to use CAD (computer aided design) programs to create 3D objects and have them printed on campus. Prerequisite: MATH& 142 Current enrollment in Math& 142 or higher. (MS)

MATH 204 Introduction to linear algebra (5)
Elementary study of the fundamentals of linear algebra. Course is intended for stronger math or science students. Course to include the study of systems of linear equations; matrices; n-dimensional vector space; linear independence, bases, subspaces and dimension. Introduction to determinants and the eigenvalue problem; applications. Graphing calculator required. Prerequisite: MATH& 151 with a minimum grade of C (QSRMS)

MATH 207 Taylor series (1)
Introduction to the derivation and uses of Taylor Series, intended for math and science majors. The course includes a discussion of error bounds in approximating curves with polynomials, Taylor polynomials, Taylor series expansion, and intervals of convergence. Graphing calculator required. Prerequisite: MATH& 152 with a minimum grade of C (LE)

MATH 208 Sequences and series (3)
A course in the techniques of working with infinite sequences and series, intended for math and science majors. The course includes limits of sequences, subsequences, series, alternating series, absolute and conditional convergence, power series, Taylor and Maclaurin series, Fourier series, applications. Graphing calculator is required. Prerequisite: MATH& 151 with a minimum grade of C (QSRMS)

MATH 238 Introduction to differential equations (5)
This is an introductory course in differential equations. Topics include: first and higher order linear equations, power series solutions, systems of first order equations, numerical methods, Laplace transforms, and applications. Graphing calculator required. Prerequisite: Graphing calculator required. Prerequisite: MATH& 152 with a minimum grade of C (QSRMS)

MATH 246 Statistics for engineering (5)
Rigorous introduction to probability, discrete and continuous probability distributions, descriptive and inferential statistics, and regression and correlation with an emphasis on engineering applications. Statistical inference will include one and two sample methods for hypothesis tests and confidence intervals. The use of computer statistical packages is introduced. Prerequisite: MATH& 152 with a minimum grade of C (QSRMS)

MATH& 264 Calculus 4 (5)
This is the second quarter of multivariable calculus. Topics include: multiple integration in different coordinate systems, the gradient, the divergence, and the curl of a vector field. Also covered are line and surface integrals, Green's Theorem, Stoke's Theorem, and Gauss' Theorem. Prerequisite: MATH& 163 with a minimum grade of C (QSRMS)

MATH 295 Honors program special topics seminar (2)
Reading, writing, discussion and oral presentations designed to develop in-depth, advanced levels of knowledge of a topic in Math. Program Admittance: acceptance into the Honors Program. (QSRMS)

MT- Therapist

MT 105 Ethical & legal issues for massage therapists (3)
Introduction to legal and ethical issues within the healthcare system; ethical problem-solving methods for use within the massage profession specifically. Program Admittance: required. (UE)

MT 110 Massage therapy I (7)
Introduction to history, theory and technique of Swedish massage. Students will learn to provide full and partial body massages; including proper draping techniques, body mechanics, beginning documentation skills, as well as adaptations for geriatric massage. Development of fundamental qualities of touch. Program Admittance: required. (UE)

MT 111 Massage therapy II (7)
Continued development of Swedish massage techniques. Introduces Deep Tissue , Swedish gymnastics, Manual Lymph Drainage, and Myofascial release techniques for common musculoskeletal conditions. Introduction of chair massage techniques and Pregnancy massage. Continued practice of documentation skills. Program Admittance: required. Prerequisite: MT 110 (UE)

MT 112 Massage therapy III (7)
Continued application of Swedish, deep tissue, and hydrotherapy treatment techniques. Introduction to alternate massage therapy techniques and Eastern Medicine philosophies. Further development of documentation skills. Orientation to a variety of healthcare professionals and roles within the healthcare setting. Program Admittance: required. Prerequisite: MT 111 (UE)

MT 202 Kinesiology I for massage therapists (4)
Introduction to kinesiology with emphasis on the functional application and analysis of the musculoskeletal system, including palpation techniques. Program Admittance: required. (UE)

MT 203 Kinesiology II for massage therapists (2)
Application of kinesiological principles of the musculoskeletal system to massage practice. Includes palpation and Swedish gymnastics as applicable to the upper extremity, head and neck. Program Admittance: required. Prerequisite: MT 202 (UE)

MT 204 Kinesiology III for massage therapists (2)
Application of kinesiological principles of the musculoskeletal system to massage practice. Includes palpation and Swedish gymnastics as applicable to the lower extremity and lumbar spine. Program Admittance: required. Prerequisite: MT 203 (UE)

MT 205 Business applications for massage therapists (3)
Introduction to basic business applications for massage therapists. Includes billing, marketing, business plans and financial considerations. Student will develop a business plan as part of the course requirements. Program Admittance: required. (UE)

MT 230 Massage applications: Orthopedic treatment (8)
Advanced training in the theories and techniques of treating orthopedic soft tissue conditions with massage. Emphasis on accurate assessment of conditions and the most effective massage treatments to provide client relief. Program Admittance: required. and Prerequisite: MT 112 and Prerequisite: permission of instructor. (UE)

MT 235 Massage applications: Wellness treatment (8)
This course is advanced training in the theories and techniques of massage as used in a Spa, or Wellness center. Emphasis on spa treatments that can be performed in a dry-room setting, including Aromatherapy, Hot Stone Massage, Scrubs, and Wraps. Program Admittance: required. Prerequisite: MT 112 and Prerequisite: permission of instructor. (UE)

MT 240 Massage license preparation/career development (2)
Overview of content needed to prepare for Washington State licensing and national certification for massage therapists. Site placement for externhship hours. Program Admittance: required. (UE)

MT 250 Student clinic (2)
Supervised practice of all massage techniques on clients within the student clinic setting. Student will work with the college instructor to set up an appropriate schedule to complete hours in the on-campus student clinic. Experience in documentation and other aspects of the massage practice will be given. Program Admittance: required. (UE)

MT 260 Clinical externship (1)
Supervised practice of all massage techniques on clients within the clinical setting. Student will work with the college instructor to set up an appropriate placement in an off-site setting. Experience in documentation and other aspects of the massage practice will be given. Students must pass all competencies in order to graduate from the massage therapy program. S/U grading. Program Admittance: required. Prerequisite: MT 112 and Co-requisite: MT 202 (UE)

MT 271 Anatomy & pathophysiology I - Massage therapists (3)
Basic overview of systems of human anatomy, and the disturbance of normal mechanical, physical, and biochemical functions of those systems. Special emphasis will be placed on the role of the massage therapist in the treatment and recovery of these conditions, as well as indications and contraindications. Part one of a two part course. Program Admittance: required. (UE)

MT 272 Anatomy & pathophysiology II -Massage therapists (3)
Basic overview of systems of human anatomy, and the disturbance of normal mechanical, physical, and biochemical functions of those systems. Special emphasis will be placed on the role of the massage therapist in the treatment and recovery of these conditions, as well as indications and contraindications. Part two of a two part course. Program Admittance: required. Prerequisite: MT 271 (UE)

MUSC-Music

MUSC& 105 Music appreciation (5)
This course will examine the roles music plays in human life, focusing on its connection with storytelling, entertainment, politics, and other functions. Fundamental concepts such as melody, harmony, rhythm, texture and form will be addressed in order to develop listening skills and a language for communicating about music. This course will explore musical concepts, meaning and cultural significance through the study of key repertoire from the classical, pop, jazz, folk and world music genres. (Hg)

MUSC 110 Introduction to world music (5)
This course is an introduction to the traditional music of the world's peoples. Focus is on the purposes/roles of music, musical characteristics, and cross-cultural influences within each culture studied, including traditions from the Middle East, Asia, Africa, Latin America, and the Pacific Islands. Open to all students. (Hg)

MUSC 115 Survey of american music (5)
An overview of musical styles in the United States from the colonial period to the present. American art, music and popular genres (jazz, Tin Pan Alley, Broadway musicals, country, rock styles) will be examined in a historical, social, and stylistic context. Native American music will also be examined. (Hd)

MUSC 120 Survey of jazz history (5)
This course examines the musical and cultural development of jazz in the United States from the late 19th century to the present day. Students are introduced to basic musical elements, concepts and terminology, stylistic periods, including New Orleans style, the swing era, bebop and modern jazz; and key historical figures. (Hd)

MUSC 125 Survey of popular music (5)
An introduction to the genres, forms and composers of popular music within a historical and cultural context. A broad overview of popular music styles from the 19th c. through 21st c. Topics include stylistic characteristics of genres, relationships between popular music styles, form, and more. (Hg)

MUSC& 141 Music theory I (5)
An introduction to the fundamentals of music through written notation and aural skills. Students will develop and apply the fundamental elements of music composition. Topics include pitch and rhythm notation, meter, intervals, major and minor scales, triads, and melody composition. Aural skills, including sight singing and transcription (dictation) are integrated in the curriculum. No prior experience with music is required. (H)

MUSC& 142 Music theory II (5)
A continuation of Music Theory I. Music Theory II builds on the fundamentals of music writing, aural skills and composition mastered in Music Theory I to include species counterpoint, contrapuntal embellishment, part writing and voice leading diatonic functional harmony in 18th century SATB-style, harmonic and contextual analysis, and composition. Aural skills, including sight singing and transcription (dictation) are integrated in the curriculum. Prerequisite: MUSC& 141 (H)

MUSC& 143 Music theory III (5)
A continuation of Music Theory II. Music Theory III builds on the writing, analysis and aural skills mastered in Music Theory II to include expanded harmonic progressions with basic chromaticism, analysis of music of the late 18th and early 19th centuries, binary, ternary and sectional variation forms. Aural skills, including sight singing and transcription (dictation) are integrated in the curriculum. Prerequisite: MUSC& 142 (H)

MUSC 150 Applied music Instruction I (1)
Private lessons in instrumental or vocal music. Open to any student at any skill level, beginning through advanced. Instructor permission required. May be repeated for credit. Cost of lessons not included in tuition fee. (LEp)

MUSC 156 Introduction to digital audio technology (4)
This course is an introduction to the basic operation and techniques of digital audio software through projects involving mixing, sequencing, and music production. Development of critical listening skills to better understand creative expression through recorded music. (LEp)

MUSC 160 Class piano I (2)
This course introduces fundamentals of piano technique, repertoire, and musical literacy. Scales, modes, and melody will be explored alongside elementary keyboard harmony. Working at digital pianos, this course is paced both for students beginning musical studies and for musicians active in other areas but new to the keyboard. (LE)

MUSC 161 Class piano II (2)
This course continues the progressive study of piano technique, repertoire, and musical literacy. A balance of classical and jazz genres will be introduced with principles of fingering, interpretation of chord symbols, and the experience of performance in ensembles. Prerequisite: MUSC 160 (LE)

MUSC 162 Class piano III (2)
Concepts of harmony, transposition, improvisation, and composition will be developed at the keyboard. Repertoire will be expanded with an individual portfolio of audition pieces in varied genres compiled for each student. Performance abilities will be demonstrated through interactive ensemble playing. Prerequisite: MUSC 161 (LE)

MUSC 163 Class voice (2)
This class will teach students the theory and practice which form the basic singing skills of vocal production, sight singing, and repertoire preparation. This includes vocal anatomy, breathing exercises, vocalism, tone production, vowel and consonant production and modification, resonance, vocal registers, repertoire selection, and vocally healthy speaking and singing habits. (LE)

MUSC 165 Collegiate choir (2)
Study and performance of representative compositions from the Western choral tradition, from other world cultures, and from popular genres (folk, jazz). Students will explore vocal technique and basic musicianship skills. Attendance at all performances, on and off campus, is required. Open to all students. Class is repeatable for credit up to 12 credits. (LE)

MUSC 171 Beginning guitar (2)
An introductory course in guitar intended for students with little or no background. Students will learn basic techniques, repertoire in a variety of genres, and music fundamentals. A study of guitar literature and history will also be included. The course will combine large group, small group, and individual instruction. Acoustic guitar is required and Nylon strings are preferred. Prerequisite: Acoustic guitar is required and nylon strings are preferred. (LE)

MUSC 172 Intermediate guitar (2)
This course builds on the skills acquired in MUSC 171, Beginning Guitar. Students will expand techniques and study music in a variety of styles including classical, flamenco, finger style, blues, jazz, and folk. Students will continue their study of music theory, literature, and performers. Songwriting skills will be explored. Acoustic guitar is required and nylon strings preferred. Prerequisite: MUSC 171 (LE)

MUSC 174 Chamber music ensemble (2)
Rehearsal, study and performance of classical repertoire for small ensemble. Various ensembles will be formed based on the available personnel. Class is repeatable for credit up to 12 credits. (LE)

MUSC 175 Jazz band (2)
Rehearsal, study, and performance of jazz styles from the "big band" era to the present, including Afro-Cuban and other Latin genres. Attendance at all performances, on and off campus, is required.Class is repeatable for credit up to 12 credits. (LE)

MUSC 184 Ensemble performance (2)
Rehearsal and performance of standard wind band or orchestral repertoire. By audition. Class is repeatable for credit up to 12 credits. Prerequisite: By audition with partner organization. (LE)

MUSC 186 Contemporary music ensemble (2)
Musical rehearsal and performance in small instrumental groups, including strings, brass, woodwinds, keyboard and percussion. Skills developed will include the study of rehearsal and performance techniques, basic improvisation, and reading and interpreting musical scores, while exploring contemporary genres. Class is repeatable for credit up to 12 credits. (LE)

MUSC 205 Music in the Abrahamic Religions (5)
Judaism, Christianity, and Islam are religions that branched from a common doctrine whose spread went in different directions globally and culturally, creating contention but also open exchanges. This course will cover the musical practices within each religion's practices and the stylistic influences of liturgical music on the surrounding culture. Placement: ENGL& 101 (Hwdg)

MUSC& 241 Music theory IV (5)
Study of advanced theoretical concepts of western music, including extended chromatic harmony and voiceleading, advanced modulation and large-scale forms. This course integrates written topics, composition, aural skills and practical keyboard applications. Prerequisite: MUSC& 143 with a minimum grade of C (H)

MUSC& 242 Music theory V (5)
Study of advanced theoretical concepts of western music, including chromatic modulations, large-scale classical forms and diatonic modes, alternative scales, sets, and early 20th century formal principles. This course integrates written topics, composition, aural skills and practical keyboard applications. Prerequisite: MUSC& 241 with a minimum grade of C (H)

MUSC& 243 Music theory VI (5)
Study of advanced theoretical concepts of western music including pitch class sets, matrices, serialism and late 20th century styles. This course integrates written topics, composition, aural skills and practical keyboard applications. Prerequisite: MUSC& 242 with a minimum grade of C (H)

MUSC 250 Applied music instruction II (1)
Private lessons in instrumental or vocal music. Instructor permission required. May be repeated for credit. Cost of lessons not included in tuition fee. Prerequisite: MUSC 150 with a minimum grade of C and completion of 100-level jury with a C grade or higher; or permission of instructor. (LEp)

MUSC 265 Chamber choir I (2)
Upper level choral ensemble. Entrance by audition. Expand vocal technique and sight singing skill. Participation in college and community performances. Prerequisite: Participation in college and community performances. Prerequisite: MUSC 165 Prerequisite: MUSC 166 or Prerequisite: MUSC 167 auditions required (LE)

MUSC 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in music. Program Admittance: acceptance into the Honors Program. (H)

NURS-Nursing

NURS 100 Nursing assistant (8)
This comprehensive training course prepares students to take the state Nursing Assistant Certification exam, and provides awareness of the role of the nursing assistant in nursing care. The certification exam and the exam fee are not included in this course. A background check and TST (Tuberculin Skin Test) are required for clinicals. Advisory: ENGL 095 (UE)

NURS 170 Introduction to pharmacology concepts (2)
Course is a concept-based approach for the beginning nursing student. An overview of the principles of pharmacology and the major classifications of pharmaceuticals commonly used in nursing and medical practice. Program Admittance: admittance to Nursing program required. Co-requisite: NURS 171 Advisory: ANTH& 235 (UE)

NURS 171 Introduction to nursing concepts with practicum (9)
This course introduces concepts within the three domains of nursing practice: individual, nursing, and healthcare at a basic level. Course focus is on basic nursing assessment and skills building. Introduces the nursing process to begin development of clinical judgment. Health across the lifespan and comprehensive physical assessment are emphasized. Program Admittance: admittance to Nursing program required. Prerequisite: ENGL& 101 with a minimum grade of B Prerequisite: MATH& 146 with a minimum grade of B Prerequisite: CHEM& 121 with a minimum grade of B or higher level Chemistry course Prerequisite: BIOL& 160 with a minimum grade of B Prerequisite: BIOL& 260 with a minimum grade of B Prerequisite: BIOL& 241 with a minimum grade of B Prerequisite: BIOL& 242 with a minimum grade of B Prerequisite: PSYC& 100 with a minimum grade of B Prerequisite: PSYC& 200 with a minimum grade of B Prerequisite: with a minimum grade of B Communications Distribution (5 credits) Prerequisite: with a minimum grade of B Humanities Distribution (10 credits) Co-requisite: NURS 170 Co-requisite: NUTR 114 Co-requisite: NUTR 115 Co-requisite: PSYC 114 Co-requisite: PHIL 118 Advisory: ANTH& 235 (UE)

NURS 172 Nursing concepts with practicum I (10)
Course focus is strengthening nursing assessment and continued basic skills building. Continues building on the concepts introduced in previous course. Introduces new concepts related to the individual, nursing, and health care domains at a basic level. Program Admittance: admittance to Nursing program required. Prerequisite: NURS 170 with a minimum grade of C and Prerequisite: NURS 171 with a minimum grade of C Prerequisite: NUTR 114 with a minimum grade of C Prerequisite: NUTR 115 with a minimum grade of C Prerequisite: PSYC 114 with a minimum grade of C Prerequisite: PHIL 118 with a minimum grade of C Co-requisite: NUTR 116 Co-requisite: PSYC 115 (UE)

NURS 173 Nursing concepts with practicum II (9)
Course focus is refining nursing assessment and continued basic skills building, Continues building on the concepts introduced in previous courses. Introduces new concepts related to the individual, nursing, and health care domains at an intermediate level Program Admittance: admittance to Nursing program required. Prerequisite: NURS 172 with a minimum grade of C (embedded courses NUTR 116, PSYC 115) Prerequisite: NUTR 116 Prerequisite: PSYC 115 Co-requisite: NUTR 117 Co-requisite: PSYC 116 Co-requisite: PHIL 119 (UE)

NURS 271 Nursing concepts with practicum III (9)
The course focus is on the nursing care of individuals experiencing complex medical conditions of an acute or chronic nature. Continues building on the concepts introduced in previous courses. Introduces new concepts related to the individual, nursing, and health care domains at an intermediate level. Program Admittance: admittance to Nursing program required. Prerequisite: NURS 173 with a minimum grade of C (embedded course NUTR 117, PSYC 116, PHIL 119) Co-requisite: NUTR 214 Co-requisite: PSYC 214 Co-requisite: PHIL 214 (UE)

NURS 272 Nursing concepts with practicum IV (10)
The course focus is on the nursing care of individuals experiencing complex medical conditions of an acute or chronic nature. Continues building on the concepts introduced in previous courses. Introduces new concepts related to the individual, nursing, and health care domains at an advanced level. Program Admittance: admittance to Nursing program required. Prerequisite: NURS 271 with a minimum grade of C Prerequisite: NUTR 214 with a minimum grade of C Prerequisite: PSYC 214 with a minimum grade of C Prerequisite: PHIL 214 with a minimum grade of C Co-requisite: PSYC 215 Co-requisite: PHIL 215 (UE)

NURS 273 Nursing concepts with practicum V (11)
Course focus is on the transition to nursing practice. Continues building on the concepts introduced in previous courses. Introduces new concepts related to the individual, nursing, and health care domains at an advanced level. Includes 120' preceptorship experience. Program Admittance: admittance to Nursing program required. Prerequisite: NURS 272 with a minimum grade of C Prerequisite: PHIL 215 with a minimum grade of C Prerequisite: PSYC 215 with a minimum grade of C Co-requisite: PHIL 216 (UE)

NUTR-Nutrition

NUTR& 101 Nutrition (5)
This course concentrates on both the cellular and organismal effects of human nutrition. Cellular structure, energy needs, genetic predisposition, exercise, and overall organismal nutritional needs will be addressed. (MS)

NUTR 114 Nutrition In healthcare I (1)
An introduction to nutritional concepts in healthcare to establish a foundation to examine the scientific, social, economic, cultural, ethnic and psychological implications of nutrition in relation to health across the lifespan and in the context of healthcare professions. Program Admittance: admittance to Nursing program required. Co-requisite: NURS 171 (MS)

NUTR 115 Nutrition in healthcare II (1)
Examines the scientific, social, economic, cultural, ethnic, and psychological implications of nutrition in relation to selected health issues across the lifespan and in the context of healthcare professions at a beginner level. Program Admittance: admittance to Nursing program required. Co-requisite: NURS 171 (MS)

NUTR 116 Nutrition in healthcare III (1)
Examines the scientific, social, economic, cultural, ethnic, and psychological implications of nutrition in relation to selected health issues across the lifespan and in the context of healthcare professions, expands on NUTR 115. Program Admittance: admittance to Nursing program required. Co-requisite: NURS 172 (MS)

NUTR 117 Nutrition in healthcare IV (1)
Examines the scientific, social, economic, cultural, ethnic, and psychological implications of nutrition in relation to selected health issues across the lifespan and in the context of healthcare professions, expands on NUTR 115 & 116. Program Admittance: admittance to Nursing program required. Co-requisite: NURS 173 (MS)

NUTR 214 Nutrition in healthcare V (1)
Examines the scientific, social, economic, cultural, ethnic, and psychological implications of nutrition in relation to selected health issues across the lifespan and in the context of healthcare professions, expands on NUTR 115, 116, & 117. Program Admittance: admittance to Nursing program required. Co-requisite: NURS 271 (MS)

OCEA&-Oceanography

OCEA& 101 Introduction to oceanography with lab (5)
This course examines the study of plate tectonics, ocean currents, waves, tides, the coastal ocean, marine topography, marine sediment, landforms, marine life, ocean pollution, and ocean resources. Lab work and field trips included. (MSl)

OFFAD-Office Administration

OFFAD 105 Records management (3)
This is an introductory course stressing managerial considerations and systems thinking. Records organization, updating, processing, and retrieval are investigated. Placement: ENGL& 101 Advisory: ENGL& 101 (UE)

OFFAD 150 Office procedures (5)
This course introduces a variety of practical skills, knowledge, and abilities required for effectively completing daily office tasks, including time management, filing, reception, formatting interoffice memos and correspondence, basic business research, travel and meeting planning, selecting, ordering and maintaining office supplies and equipment, understanding business terminology, processing mail, and effective use of phone, fax, and email. Advisory: ENGL& 101 (UE)

OFFAD 154 Introduction to logistics (5)
This course studies the functions, characteristics, advantages and limitations of each type of transportation; major aspects of international transportation, import and export; the role of transportation companies in the US and World economy; an overview of documentation, law and regulations; sustainable and environmental issues related to transportation; and exploration of employment and career opportunities. Advisory: BTEC 101 (UEs)

OFFAD 160 Office management (5)
This is a comprehensive course covering business organization and relationships; supervisory styles and responsibilities; employee/employer relations; office systems analysis, including work measurement, standards, and simplification; scheduling and managing multiple priorities; budgeting; advanced meeting planning; managing reprographics and mail services; and managing the office environment. Advisory: ENGL& 101 (UE)

OFFAD 190 Office administration internship (1-5)
The student will complete an academic internship that offers experience-based learning, in a structured, supervised, and career-related setting. Measurable internship learning outcomes are collaboratively created by the student, internship supervisor, and faculty mentor. The student will develop professional readiness by fostering skills necessary to work in an office environment. Repeatable with program permission. Co-op courses above 5 credits may be arranged with permission from the co-op coordinator. (UE)

OFFAD 203 Business analysis for managers (5)
The student will learn how business managers use accounting and finance concepts to analyze the company, and how managers make informed decisions based on that information. Content includes: risk assessment methods, financial ratios, stocks and bonds to finance operations, tangible and intangible assets, and merchandising operations. Placement: ENGL& 101 Prerequisite: BUS 100 with a minimum grade of C or Prerequisite: MATH 097 with a minimum grade of C (UE)

OFFAD 280 Sustainable business practices I (3)
This class is the first of a three part series . The focus of this course is measuring, tracking, and implementing sustainability in a business/ institutional setting. The class will provide a practical introduction to sustainability, business, and leadership practices. Topics covered include: energy efficiency, transportation, water, and zero waste. Advisory: students have professional work experience OR have completed a basic series of business, economics, political science, and/or related coursework. (UEs)

OFFAD 281 Sustainable business practices II (3)
This is the second course in a three part series. The focus of this course is the sustainable supply chain. Topics covered will include: responsible purchasing, renewable energy, sustainable food, sustainable building and development, and alternate sources of revenue and/or savings. Prerequisite: OFFAD 280 or Prerequisite: permission of instructor. (UEs)

OFFAD 282 Sustainable business practices III (3)
This is the third course in a three part series. The focus of this course is the sustainable business model. Topics covered will include: triple bottom line accounting, leadership skills for change agents, corporate social responsibility, employee ownership, and marketing. Prerequisite: OFFAD 281 or Prerequisite: permission of instructor. (UEs)

PARED-Parent Education

PARED 101 Communication and child development (1-3)
This course is for parents with a child attending a WCC affiliated cooperative preschool. Parents do lab work in the classroom regularly and attend parent education lectures on health & safety, communication and child development. Students are also provided with training on leadership skills, organizational development and small business practices. (UE)

PARED 102 Learning environments and development (1-3)
Parents attend parent education lectures on learning environments and physical, social, emotional and cognitive development. (UE)

PARED 103 Behavior and diversity (1-3)
Students are introduced to guidance techniques in parenting, diversity and contemporary issues involving families. (UEd)

PARED 104 Safety and developmentally appropriate practices (1-3)
This course is for parents/caregivers. Parents attend parenting education lectures that help them apply safety and developmentally appropriate practices. (UE)

PARED 105 Childhood development and diversity (1-3)
Parents examine social and cultural influences on parenting practices and explore childhood development. (UE)

PARED 106 Guidance techniques and family resources (1-3)
Parents assess resources for family support and practice positive and effective guidance techniques. (UE)

PARED 110 Parenting preschoolers (2)
This online course covers child development in 3-5 year olds, including emotional, social, physical, cognitive, and language. The following parenting topics will be covered; positive communication, guidance, temperament, identity, health and safety, learning environments, routines, difficult topics, and stress. (UE)

PE-Physical Education

PE 102 Strength training (2)
Activity and theory based course introducing the concept and benefits of strength exercise. (LE)

PE 103 Cardiovascular conditioning I (2)
Designed to enlist lecture, written and active learning modes to explore and enhance both aerobic and flexibility fitness. Relationship of aerobic and flexibility fitness to overall health and fitness level will be explored. Advisory: ability to engage in vigorous exercise (LE)

PE 104 Introduction to trail running (1)
This course is designed to introduce students to basic trail running skills. Map reading, proper equipment, workout progressions and backwoods safety will be emphasized. Advisory: you must have run and completed a 5k in the past 60 days and have no chronic physical injuries, such as lower back or knee pain. (LE)

PE 105 Functional fitness (2)
Through lecture, demonstration, and participation this course introduces students to the application of high intensity functional fitness and to basic muscle anatomy and physiology. Students learn and practice proper execution of functional movements over a range of intensities and improve joint range of motion through active mobilization techniques. Students with existing injuries should consult their doctor prior to enrollment. (LE)

PE 106 Basketball skills and rules (2)
Analysis of the skills needed for intercollegiate basketball. Current officiating rules covered. Prerequisite: permission of instructor. (LE)

PE 108 Yoga (1)
This course examines the instruction, practice, and exploration of yoga incorporating several influences including the Iyengar method. Includes introduction to yoga postures, vinyasa (uninterrupted flow of yoga postures), breathing/relaxation techniques, and home practice. Emphasis on postural alignment for safe yoga practice that promotes whole body awareness of balance, strength, flexibility, relaxation, and breath awareness. (LE)

PE 109 Introduction to pilates (1)
This course will explore basic Pilates exercises in order to gain better posture, core stability, joint mobility and overall muscular strength. (LE)

PE 123 Volleyball skills and rules (2)
This course is designed to complement the practice, game, and conditioning elements of intercollegiate volleyball. Requires the students to observe, participate, and implement strategies surrounding the philosophy and rules of the game. Prerequisite: permission of instructor. (LE)

PE 126 Introduction to hiking (1)
This course is intended to serve as an introduction to day hiking. Course will cover basic concepts and will apply these concepts in the field. Prerequisite: Must have ability to engage in strenuous exercise. (LE)

PE 131 Introduction to sports management (5)
This course will provide an overview of basic knowledge areas for the successful sport manager. Students will explore fundamental principles, key skills, and current issues throughout the major sport industry segments. Additionally, students will learn various sport industry professions and be provided the basic career strategies for breaking into the sport management industry. (LE)

PE 133 Introduction to athletic training (3)
This is an introduction to the profession of Athletic Training with concentration on the role/function of an Athletic Therapist/Trainer, human anatomy, human physiology, injury description, and injury recognition. (LE)

PE 135 Ultimate frisbee techniques (1)
The course is designed to expose students to the many aspects of ultimate Frisbee. Techniques, strategies, and rules will make up the curriculum. Cleats are highly recommended. Prerequisite: Cleats are highly recommended. (LE)

PE 136 Introduction to soccer techniques (1)
The course is designed to expose students to the many aspects of basic soccer. Techniques, strategies, and rules will comprise the curriculum. Cleats and/or turf shoes are highly recommended. (LE)

PE 138 Introduction to flag football (1)
Individual and team aspects of flag football. Students will learn the concepts of offensive and defensive team play and strategy. Students will learn rules and various drills specific to the sport, and demonstrate appropriate sportsmanship. (LE)

PE 139 Zumba (1)
This fitness class provides a Latin-inspired aerobic-dance workout which incorporates upbeat music with choreographed footwork and arm movement. This is a fun way to workout, burn calories, and relieve stress. No dance experience required. (LE)

PE 141 Introduction to tai chi (1)
This course is an introduction to Tai Chi. It is designed to expose students to the basic principles of proper body mechanics, balance, flexibility, fluidity, strength, and relaxation during movement. (LE)

PE 146 Soccer skills and rules (2)
Analysis of the skills needed for intercollegiate soccer. Current officiating rules covered. Prerequisite: Permission of instructor. (LE)

PE 153 Introduction to personal fitness (2)
This is a comprehensive course designed for the student actively participating in a fitness program. Students will determine individual goals to be reached by the end of the quarter. Topics include: strength, fitness, health, and body composition. Class format is both lecture and active participation. Prerequisite: PE 102 or Prerequisite: PE 103 or Prerequisite: currently participating in an exercise program. (LE)

PE 157 Yoga II (1)
This course expands on the fundamentals of yoga. Course includes intermediate poses, the Yoga Sutras, the 5 sheath model, Chakra energy system, Sanskrit terminology, and breathing techniques. Advisory: PE 108 or concurrent enrollment in PE 108 or previous yoga experience (LE)

PE 158 Racquet sports (1)
This course is designed to introduce and improve participation in racquet sports as lifetime activities. This course requires students to participate and implement strategies and rules of various racquet sports. (LE)

PE 161 Cross country skills and rules (2)
Analysis and acquisition of the skills required for intercollegiate cross country. Requires the students to observe, participate, and implement strategies surrounding the philosophy and rules of the sport. Prerequisite: permission of instructor required. (LE)

PE 170 Basketball techniques (1)
Introduces techniques and strategies of basketball. Topics include offensive and defensive play as well as personal skill development. (LE)

PE 181 Health and wellness (5)
Health and wellness explores physical and emotional health and wellness topics, such as stress reduction, proper nutrition, and physical fitness. Students will examine major health and lifestyle issues of contemporary society and will participate in personal assessments and develop a wellness plan. (LE)

PE 202 Advanced strength training (2)
A class in which students will gain greater proficiency and capability in strength training. Exercise theory will include the concept of relative intensity and periodization in obtaining high levels of strength adaptation. Prerequisite: PE 102 or Prerequisite: permission of instructor (LE)

PE 203 Advanced cardiovascular conditioning (2)
Students will experience five metabolic pathways that will assess and challenge them from anaerobic to aerobic capabilities. Each student's work capacity will be evaluated and programs will be determined for enhanced capacity. Students will evaluate exercise methodologies as they relate to anaerobic and aerobic metabolism. Prerequisite: PE 103 or Prerequisite: Permission of instructor. (LE)

PE 206 Advanced basketball skills and rules (2)
In depth analysis of the skills needed for intercollegiate basketball. Officiating rules covered at the NCAA level. Prerequisite: permission of instructor. (LE)

PE 223 Advanced volleyball skills and rules (2)
This course is an in-depth analysis of the practice, game, and conditioning elements of intercollegiate volleyball. Requires the students to observe, participate, and implement strategies surrounding the philosophy and rules of the game. Prerequisite: permission of instructor. (LE)

PE 241 Intermediate tai chi (1)
This course expands on the fundamentals of Tai Chi. It is designed to continue the study of proper body mechanics, balance, flexibility, fluidity, strength, and relaxation during movement. The first set of Tai Chi will be reviewed and the second set of long form Tai Chi will be introduced. Prerequisite: PE 141 (LE)

PE 246 Soccer skills and rules II (2)
In depth analysis and application of the skills necessary for intercollegiate soccer. Prerequisite: Permission of instructor. (LE)

PE 261 Advanced cross country skills and rules (2)
Advanced analysis and acquisition of the skills required for intercollegiate cross country. Requires the students to observe, participate, discuss, and implement strategies surrounding the philosophy and rules of the sport. Prerequisite: permission of instructor (LE)

PE 269 Sports performance (2)
This course correlates all aspects of intercollegiate team sports, including conditioning, nutrition, and application of team sports concepts and techniques. Includes observation, participation, and implementation of strategies surrounding the rules and techniques of various team sports. Also includes strength training/conditioning specific to team sports. Prerequisite: permission of instructor. (LE)

PE 270 Advanced conditioning for athletes I (2)
Advanced skill acquisition and conditioning for intercollegiate competition. Combines aspects of advanced skill training with specific conditioning exercises required for advanced level of play. Prerequisite: permission of instructor. (LE)

PE 271 Advanced conditioning for athletes II (2)
Designed to prepare students through advanced skill acquisition and conditioning for higher levels of competition. Combines the aspects of advanced skill training with specific conditioning exercises required for advanced levels of play. Prerequisite: PE 270 Prerequisite: permission of instructor. (LE)

PHIL-Philosophy

PHIL& 101 Introduction to philosophy (5)
This course is an introduction to the problems, history, and nature of philosophy, with a focus on traditional Western philosophical issues. Students will be exposed to the major areas of philosophy, with emphasis given to theories of knowledge and reality. Possible topics include: the nature and possibility of knowledge, free will and responsibility, the existence of God, personal identity, and the meaning of life. (Hg)

PHIL& 115 Critical thinking (3-5)
Critical thinking ability is highly valued among employers. This course introduces you to sound reasoning principles used in daily life. Covers informal, non-symbolic introduction to logic with emphasis on real-life examples. Students learn how to critically evaluate their own reasoning and how to construct arguments. (H)

PHIL& 117 Traditional logic (5)
Investigation of systems of formal logic with emphasis on symbolic reasoning. Prerequisite: MATH 099 with a minimum grade of C (QSR)

PHIL 118 Ethics and policy In healthcare I (1)
An introduction to the exploration of values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of healthcare professions. Program Admittance: admittance to Nursing program required.. Co-requisite: NURS 171 (H)

PHIL 119 Ethics and policy in healthcare II (1)
Explores values, ethics, and legal decision-making frameworks and selected policies used to support the well-being of people and groups within the context of healthcare professions at a beginner level. Program Admittance: admittance to Nursing program required. Co-requisite: NURS 173 (H)

PHIL 130 Introduction to ethics (5)
This course is an ethical examination of contemporary controversial issues such as the nature of liberty, the death penalty, capitalism and communism, abortion, animal rights, and environmental ethics. (H)

PHIL 132 Environmental ethics (5)
How humanity conceives of its environment is central to an understanding of how humans should act and think of themselves as part of planet Earth. Topics to be covered include: the fundamentals of ethical reasoning, the moral status of non-human animals, land use dilemmas, and anthropocentrism and ecocentrism in the context of current environmental problems. (Hdgs)

PHIL 140 Introduction to world religions (5)
This course is an investigation of Western and Non-Western religious traditions, including the histories and practices of specific traditions and of their differing world views. A general consideration of the role that religion plays in human existence, including what has been called the "spiritual dimension" or "transcendence" of personal needs and desires. Placement: placement in ENGL& 101. (Hwdg)

PHIL 200 Philosophy of religion (5)
Philosophy of religion is the branch of philosophy concerned with the nature and existence of God. This course will provide a critical examination of traditional and contemporary arguments for theism (especially classical Western theism), atheism, and agnosticism, as well as questions related to religious belief and inclusivity, the afterlife, and prayer. Placement: ENGL& 101. (H)

PHIL 214 Ethics and policy in healthcare III (1)
Explores values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of healthcare professions, expands on PHIL 119. Program Admittance: admittance to Nursing program required. Co-requisite: NURS 271 (H)

PHIL 215 Ethics and policy in healthcare IV (1)
Explores values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of healthcare professions, expands on PHIL 214. Program Admittance: admittance to Nursing program required. Co-requisite: NURS 272 (H)

PHIL 216 Ethics and policy in healthcare V (1)
Explores values, ethics, and legal decision-making frameworks and policies used to support the well-being of people and groups within the context of healthcare professions, expands on PHIL 215. Program Admittance: admittance to Nursing program required. Co-requisite: NURS 273 (H)

PHIL 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in philosophy. Program Admittance: acceptance into the Honors Program. (H)

PHIL 301 Professional ethics (5)
This course examines ethical principles and moral or ethical problems that arise in a business environment. Upon successful completion of the course, students will be able to apply the codes of practice, standards of conduct, professional responsibilities and regulatory aspects associated with common professional business. Prerequisite: Program Admittance or permission of BAS program coordinator (N)

PHYS-Physics

PHYS 109 Energy: Use and consequences (5)
Conceptual introduction to physics principles relative to energy conversion including oil, hydroelectric, electricity generation, nuclear, fossil fuel, and alternative fuel sources. Elementary mechanics, thermodynamics and environmental impacts will be considered. Advisory: MATH 098 (MSsl)

PHYS& 110 Physics for non-science majors (5)
Introduction to selected physics concepts and theories. Emphasis on conceptual understanding of how physics explains our world. Class activities include learning about experimentation, measurement, and simple mathematical modeling. Advisory: MATH 098 (MSI)

PHYS 112 Environmental physics (5)
This course is an Introduction to the physical aspects of environmental science. Topics include: energy and matter transfers between water, and earth and atmospheric systems. Current environmental problems will provide the common themes. Lab work included. Advisory: MATH 098 (MSgsl)

PHYS& 114 General physics I (5)
Introduction to mechanics and physical reasoning strategies and investigation methods for students majoring in technically oriented fields not requiring a calculus based physics course. Newton's laws, work and energy, kinematics conservation principles. Computer interfaced laboratory investigations, technical writing, problem solving, mathematical reasoning and scientific method of inquiry skills will be emphasized. Prerequisite: MATH& 142 with a minimum grade of C (MSI)

PHYS& 115 General physics II (5)
Second course in algebra-trigonometry physics sequence, solids and fluids, introduction to thermodynamics, simple harmonic motion, mechanical waves. Computer interfaced laboratory, technical writing, problem solving, mathematical reasoning, critical thinking skills will be emphasized. Prerequisite: PHYS& 114 with a minimum grade of C- (formerly PHYS& 121 or PHYS 114) (MSI)

PHYS& 116 General physics III (5)
Third course in algebra-trigonometry physics sequence. Electricity and magnetism, simple circuits, light and introduction to modern physics. Weekly laboratory work. Prerequisite: PHYS& 115 with a minimum grade of C- (formerly PHYS& 122 or PHYS 115) (MSI)

PHYS& 221 Engineering physics I (5)
Basic principles of mechanics. Emphasis on critical analysis, interpretation, and problem solving, energy and momentum conservation, rotational motion, static equilibrium. Placement: ENGL& 101. and Prerequisite: MATH& 151 with a minimum grade of C and Prerequisite: one college level physics course or a high school physics course. (MSI)

PHYS& 222 Engineering physics II (5)
Basic principles of thermodynamics, mechanics of fluids and oscillatory motion, and mechanical waves. Placement: ENGL& 101. Prerequisite: PHYS& 221 with a minimum grade of C and Prerequisite: MATH& 152 with a minimum grade of C and (MSI)

PHYS& 223 Engineering physics III (5)
Functional understanding and appreciation for the foundations of electromagnetism and its applications. Topics include Coulomb's Law, electric potential, circuits and circuit theory, electrical devices, Ampere's Law, electric and magnetic flux, and induction. Prerequisite: PHYS& 222 with a minimum grade of C (MSI)

PHYS 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in physics. Program Admittance: acceptance into the Honors Program. (MS)

PHYSC-Physical Science

PHYSC 104 Finding things out: Energy (5)
First of a three quarter set of courses using extensive hands-on and inquiry-based activities that allow students to develop a solid understanding of the nature of interactions and energy exchange. Students will develop critical thinking skills required to pursue scientific understanding of important ideas in physical systems. Not intended for students with prior physical science coursework. Preferred sequence is PHYSC 104, GEOL 104, and BIOL 104. Lab work included. Advisory: GEOL 104 and Advisory: BIOL 104 (MSI)

PHYSC 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in physical science. Program Admittance: acceptance into the Honors Program. (MS)

PLS-Paralegal Studies

PLS 111 Introduction to law and the legal process (5)
This course provides students with an overview of the American Legal System, and introduces students to various legal fields and topics. Prerequisite: PLS 127 or concurrent enrollment and Prerequisite: BTEC 121 or concurrent enrollment or Prerequisite: BTEC 122 or concurrent enrollment (UE)

PLS 112 Law office technology (3)
This course will increase students' awareness of law office computer systems and software and other technological advances which are, or will be, used in law offices, and enhance the student's ability to effectively utilize these resources. The student should also gain the ability to critically analyze law office automation. Prerequisite: PLS 127 or concurrent enrollment and Prerequisite: PLS 111 or concurrent enrollment and Prerequisite: BTEC 121 or concurrent enrollment or Prerequisite: BTEC 122 or concurrent enrollment (UE)

PLS 120 Civil procedure and litigation (5)
Principles and procedures used in the U. S. Court system with strong emphasis on Washington court rules and case law. Topics include venue, jurisdiction, pleading, discovery and trial, including the administrative process. Placement: ENGL& 101. Prerequisite: PLS 127 or concurrent enrollment and Prerequisite: PLS 111 or concurrent enrollment and Prerequisite: BTEC 121 or concurrent enrollment or Prerequisite: BTEC 122 or concurrent enrollment and (UE)

PLS 125 Indian law (3)
This course is an introduction to Indian Law with specific applications to the paralegal profession. Covers basic concepts of Indian Law including Tribal, Federal, and State jurisdictional matters. Emphasis on history of Federal Indian policy, treaties and trusts, self-government, civil and criminal jurisdiction, and the civil rights of Indians. Prerequisite: PLS 127 or concurrent enrollment and Prerequisite: PLS 111 or concurrent enrollment and Prerequisite: BTEC 121 or concurrent enrollment or Prerequisite: BTEC 122 or concurrent enrollment (UE)

PLS 127 Legal terminology (3)
This is an introductory course for law office personnel on the definition, use, and spelling of legal terms. Includes Latin-based words generally used in the legal profession. (UE)

PLS 130 Legal interview and investigation techniques (3)
Covers interviewing techniques and skills needed to work with clients and witnesses. Includes investigation procedures and a general understanding of the rules of evidence. Placement: ENGL& 101. Prerequisite: PLS 127 or concurrent enrollment and Prerequisite: PLS 111 or concurrent enrollment and Prerequisite: BTEC 121 or concurrent enrollment or Prerequisite: BTEC 122 or concurrent enrollment (UE)

PLS 151 Law office procedures and legal ethics (5)
Designed to help students preparing for or to enhance their careers as paralegals, Limited License Legal Technicians (LLLT) and legal secretaries. Topics include law office management, non-litigation, and litigation responsibilities. Emphasis on ethics, client interactions, business practices and understanding, formatting, and preparation of legal documents. Placement: ENGL& 101. Prerequisite: PLS 127 or concurrent enrollment and Prerequisite: PLS 111 or concurrent enrollment and Prerequisite: BTEC 121 or concurrent enrollment or Prerequisite: BTEC 122 or concurrent enrollment (UE)

PLS 152 Intro to legal research, writing and analysis (5)
This course is an introduction to a variety of legal resources, the use of the law library, and computerized legal research. Focus is on effective legal writing. Designed for law office staff, legal assistants, and Limited License Legal Technicians to develop skills in the process of legal research, writing, and analysis. Placement: ENGL& 101. Prerequisite: PLS 127 or concurrent enrollment and Prerequisite: PLS 111 or concurrent enrollment and Prerequisite: BTEC 121 or concurrent enrollment or Prerequisite: BTEC 122 or concurrent enrollment (UE)

PLS 160 Administrative law (5)
This course covers the history of administrative agencies, administrative law procedures, use of expert witnesses, law of evidence, and constitutional limitations of judicial review. Designed for professional practice of paralegal staff and individuals working with law-related agencies. Placement: ENGL& 101. Prerequisite: PLS 127 or concurrent enrollment and Prerequisite: PLS 111 or concurrent enrollment and Prerequisite: BTEC 121 or concurrent enrollment or Prerequisite: BTEC 122 or concurrent enrollment (UE)

PLS 175 Contracts, consumer law and access to justice (3)
This course is an introduction to the principles of contract law. In addition to discussion of the basic substantive law of contracts and consumer law, the course will provide practical information for the paralegal, legal assistant, or Limited License Legal Technician (LLLT) in providing access to justice. Prerequisite: PLS 127 or concurrent enrollment and Prerequisite: PLS 111 or concurrent enrollment and Prerequisite: BTEC 121 or concurrent enrollment or Prerequisite: BTEC 122 or concurrent enrollment (UE)

PLS 185 Torts (3)
This course is an introduction to the principles of tort law, which is the law of personal injuries. In addition to discussion of the basic substantive law of torts, the course will provide practical information for the paralegal in such areas as the discovery process in tort cases, obtaining medical records, medical releases, and a general overview of the legal assistant's role during a tort case. Placement: ENGL& 101 Prerequisite: PLS 127 or concurrent enrollment and Prerequisite: PLS 111 or concurrent enrollment and Prerequisite: BTEC 121 or concurrent enrollment or Prerequisite: BTEC 122 or concurrent enrollment (UE)

PLS 190 Paralegal studies internship (1-5)
This course is designed for PLS students to work in a law office or agency in an internship capacity in order to gain experience in paralegal practice and to learn the daily operations of the office. Course may be repeated for credit. Advisory: completion of core and paralegal field requirements for paralegal studies degree. (UE)

PLS 191 Cooperative work experience seminar (2)
Designed for advanced PLS students to explore the practical, ethical and career issues relevant to the legal profession; to also gain experience in paralegal practice and learn the operations of a legal office. Advisory: completion of PLS degree core requirements. (UE)

PLS 210 Legal documents, admin processes, probate, wills (3)
This course will explore and apply Washington state and federal law necessary to prepare legal documents; examine the processes for probate, wills, power of attorney, guardianship, name change, health care legal issues; administrative advocacy for legal financial obligations, medical coverage; and advocacy for clients involved with administrative agencies. Prerequisite: PLS 127 with a minimum grade of C or concurrent enrollment and Prerequisite: BTEC 121 with a minimum grade of C or concurrent enrollment or Prerequisite: BTEC 122 with a minimum grade of C or concurrent enrollment and Advisory: PLS 111 and placement into ENGL& 101. (UE)

PLS 220 Real estate legal procedures (3)
This course examines the application of legal procedures and requirements in real estate transactions and litigation. Includes drafting of documents and pleadings with emphasis on contracts, closings, deeds, leases, liens, and foreclosures. Placement: placement in ENGL& 101. Prerequisite: PLS 127 with a minimum grade of C or concurrent enrollment and Prerequisite: BTEC 121 with a minimum grade of C or concurrent enrollment or Prerequisite: BTEC 122 with a minimum grade of C or concurrent enrollment and Advisory: PLS 111 (UE)

PLS 230 Criminal trial procedure (3)
This course covers the steps of the criminal trial process from first court appearance through pre-trial procedures. Includes plea bargaining, ethical considerations, initial appearance, probable cause, discovery, and pre-trial motions. Placement: ENGL& 101. Prerequisite: PLS 127 with a minimum grade of C or concurrent enrollment and Prerequisite: BTEC 121 with a minimum grade of C or concurrent enrollment or Prerequisite: BTEC 122 with a minimum grade of C or concurrent enrollment and Advisory: PLS 111 (UE)

PLS 240 The practice of family law I (5)
Covers the fundamental issues of family law and providing services to family law clients under attorney supervision or as a Limited License Legal Technician (LLLT) or other non-lawyer practitioner. Placement: placement in ENGL& 101. Prerequisite: PLS 127 or concurrent enrollment and Prerequisite: PLS 111 or concurrent enrollment and Prerequisite: BTEC 121 or concurrent enrollment or Prerequisite: BTEC 122 or concurrent enrollment (UE)

PLS 241 The practice of family law II (5)
This course focuses on economic and child custody family law issues and providing services to family law clients supervised by an attorney and as a Limited License Legal Technician (LLLT) or other non-lawyer practitioner. Prerequisite: PLS 240 with a minimum grade of C (UE)

PLS 245 U.S. immigration applications and processes (3)
This course is an introduction to current immigration application processes including non-immigrant, immigrant, and citizenship. Topics will cover family and employment visas and green cards, labor certification, overview of refugee/asylee status, and immigration court. Prerequisite: PLS 127 with a minimum grade of C or concurrent enrollment and Prerequisite: BTEC 121 with a minimum grade of C or concurrent enrollment or Prerequisite: BTEC 122 with a minimum grade of C or concurrent enrollment and Advisory: PLS 111 (UE)

POLS-Political Science

POLS& 101 Introduction to political science (5)
This course is an introduction to political concepts, public opinion, pressure groups, and government systems. (SS)

POLS& 201 Introduction to political theory (5)
Evaluation of major political concepts in regard to government, property, religion and man's place in society. (SSg)

POLS& 202 American government (5)
Outlines the main structure and function of American government. Also deals with politics in theory and practice, emphasizing political concepts, protest, and reform movements. (SS)

POLS& 203 International relations (5)
Examines the history of international relations and theories of how such relations work, possible trends in globalization or interdependence, problems of authority, concepts and reality of conflict and security, and economics. Studies key international actors such as nation-states, international organizations and others including multinational corporations, and terrorist groups. Also addressed: diplomacy, human rights and international law. (SSg)

POLS& 204 Comparative government (5)
This course is an advanced study of major foreign powers including France, Great Britain, West Germany, Russia, China, India, and others as time permits. Advisory: POLS& 101 or Advisory: POLS& 202 (SSg)

POLS 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in political science. Program Admittance: acceptance into the Honors Program. (SS)

PSYC-Psychology

PSYC& 100 General psychology (5)
Surveys the knowledge and methods of the discipline of psychology. Topics include: an overview of current knowledge in major areas of psychology, accessing and assessing information about behavior, and skills in scientific reasoning and critical thinking. (SS)

PSYC 105 Career search process (3)
This course is designed for students to assess their own interests, aptitudes, values, and motivators through various self-assessment instruments, informational interviews, lectures, guest speakers, and group discussions. Students will explore decision making, life transitions, building positive attitudes, time and stress management, and networking. Includes brief discussions of resume writing, interviewing, and job retention. (UE)

PSYC 106 Job finding skills (2)
This course develops an in-depth understanding of transferable skills, effective resume writing, employment letters, and the application process. Students will develop successful and creative job search techniques, in-depth interviewing skills, and job market analysis. (UE)

PSYC 114 Psychosocial issues in healthcare I (1)
An introduction to the examination of some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare. Program Admittance: admittance to Nursing program required. Co-requisite: NURS 171 (SS)

PSYC 115 Psychosocial issues in healthcare II (1)
Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare at a beginner level. Program Admittance: admittance to Nursing program required. Co-requisite: NURS 172 (SS)

PSYC 116 Psychosocial issues in healthcare III (1)
Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare, expands on PSYC 115. Program Admittance: admittance to Nursing program required. Co-requisite: NURS 173 (SS)

PSYC 165 Psychology of adjustment (5)
This course teaches the principles of psychology as they relate to adaptations of life's challenges. Topics include: the nature and management of stress, coping strategies, interpersonal communication, relationship dynamics, self-concept, lifelong learning, and career development. (SSg)

PSYC& 180 Human sexuality (5)
Study of the factors influencing the development and expression of individual sexuality, human sexual behavior, attraction and love, gender identity, sexual orientation, sexual aggression, sexual dysfunction and disorders, characteristics of and factors influencing the use of contraceptives, characteristics and risk factors of sexually transmitted diseases. Placement: ENGL& 101. Advisory: PSYC& 100 Advisory: SOC& 101 or Advisory: ANTH& 206 (SSwd)

PSYC& 200 Lifespan psychology (5)
This course examines growth and development through the life span including physical, social, cognitive, and neurological development. Topics covered include: daycare, education, disabilities, parenting, types of families, gender identity and roles, career decisions, illnesses and treatments, aging, retirement, generativity, and dying. Placement: ENGL& 101 Prerequisite: PSYC& 100 (SSw)

PSYC 209 Fundamentals of psychological research (5)
This course will increase critical thinking and scientific reasoning skills and promote information literacy by providing an introduction to the fundamentals of psychological research. Topics include ethical issues in psychological research, research strategies and techniques, search and evaluation of research literature in psychology, and the fundamentals of scientific writing. Prerequisite: PSYC& 100 with a minimum grade of C and Prerequisite: MATH 099 with a minimum grade of C Advisory: MATH& 146 with a minimum grade of C (SS)

PSYC 210 Child development (5)
Examines psychological growth and development from conception through adolescence including biological, social, and cognitive development. Advisory: PSYC& 100 (SS)

PSYC 211 Social psychology (5)
This course is the scientific study of the influence of people upon each other's behavior. Topics include: social perception, attraction, pro-social behavior, aggression, attitude formation and change, group processes, and applied topics (e.g. legal system, health, organizations). Placement: ENGL& 101. Advisory: PSYC& 100 (SSw)

PSYC 214 Psychosocial issues in healthcare IV (1)
Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare, expands on PSYC 116. Program Admittance: admittance to Nursing program required. Co-requisite: NURS 271 (SS)

PSYC 215 Psychosocial issues in healthcare V (1)
Examines some determinants of health and illness including social, psychological, environmental, spiritual, and cultural dimensions across the lifespan and within the context of healthcare, expands on PSYC 214. Program Admittance: admittance to Nursing program required. Co-requisite: NURS 272 (SS)

PSYC& 220 Abnormal psychology (5)
Introduction to the characteristics, origins, diagnosis, treatment, and management of psychological disorders and related controversies. Major perspectives include biological, socio-cultural, cognitive behavioral, and psychodynamic. Includes acute and chronic disorders in major categories of DSM IV such as autism, ADHD, PTSD, mood disorders, schizophrenia, personality disorders, anxiety disorders, and Alzheimer's disease. Civil commitments and insanity plea issues also included. Advisory: PSYC& 100 (SSd)

PSYC 225 Cognitive psychology (5)
Examines the historical development of cognitive psychology. Cognitive theories and research methods are related to practical applications in daily life as well as in classroom settings. Areas of focus include acquisition, storage, and retrieval of information, the role of imagery in cognition, and the development of cognitive processes. Placement: ENGL& 101. Prerequisite: PSYC& 100 (SSw)

PSYC 240 Environmental issues and human behavior (5)
Investigates the influence of human behavior in creating environmental problems. Applies behavioral and social science knowledge to changing behaviors and systems to reduce the problems. Includes the role of cognitive processes, learned behavior, reinforcement, cultural norms, education, religion, economics, government, political processes, environmental organizations, and ecological science in shaping the behaviors that contribute to the problems. Local, national, and global issues considered such as global warming, recycling, energy use, biodiversity, pollution and population. (SSgs)

PSYC 250 Introduction to organizational behavior (5)
Applies psychological knowledge to understanding and changing behavior in the workplace. Includes individual, group, and organizational components. Topics include perception, learning, personality, attitudes, motivation, group dynamics, communication, decision-making, conflict resolution, power, leadership, culture, structure, and change. (SS)

PSYC 265 Cross cultural psychology (5)
Cross-Cultural Psychology examines psychological theories and research from a cross-cultural perspective. Primary goals of the class include the study of the effects of culture on human thought and behavior, cross-cultural interactions, and of similarities and differences in behavior across cultures. Students will also discuss the impact of culture on cognition, development, emotion, motivation, sex roles, disorders, group behavior, conflict, stereotyping, and prejudice. (SSg)

PSYC 270 Psychology of death and dying (5)
This course is an introduction to the study of death and dying and is designed for a general audience. Students will also learn of the services available in communities for those who are dying or grieving. (SS)

PSYC 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in psychology. Program Admittance: acceptance into the Honors Program. (SS)

PTA-Physical Therapist Assistant

PTA 101 Introduction to physical therapy (3)
Introduction to the practice of physical therapy with emphasis on the PTA as a member of the health care team. Examination of the therapist-patient relationship. Introduction to documentation standards, SOAP note writing and other documentation formats related to physical therapy. Introduction to legal and ethical issues in physical therapy including HIPPA legislation. Program Admittance: Admittance to PTA program required. (UE)

PTA 105 Tests and measurements (2)
This course provides instruction in various types of physical therapy tests and measurements including goniometry, manual muscle testing, sensory testing and posture examination. In addition, this course examines the application of these tests to the patient plan of care. Program Admittance: Admittance to PTA program required. (UE)

PTA 110 PTA procedures I (5)
Basic patient care skills focused in the acute care setting including aseptic techniques, vital signs, bandaging, bed mobility and patient transfers and preparation and maintenance of treatment environment. Theory and application of selected physical therapy equipment. Program Admittance: Admittance to PTA program required. (UE)

PTA 111 PTA procedures II (7)
Theory and application of cold and heat modalities. Basic principles and application of selected massage techniques. Introduction to fundamentals and use of electrotherapy and traction modalities. Basic edema management including lymphedema. Program Admittance: Admittance to PTA program required. (UE)

PTA 113 PTA procedures III (4)
Principles of normal and abnormal ambulation, use of assisted devices, postural analysis and selected functional rehabilitation activities. Program Admittance: Admittance to PTA program required. (UE)

PTA 160 Service learning for the PTA (3)
In this class students will collaborate with the instructor and community service partner(s) to design a service learning project to build communication and professional skills that serve the health and wellness needs of the community. Program Admittance: Admittance to PTA program required. (UE)

PTA 201 Ethical issues in physical therapy (3)
Survey of medical, legal, ethical and psychosocial issues relating to physical therapy and the delivery of health care in the United States. Covers concepts and strategies regarding ethical decision-making, humanizing health care, confidentiality, information disclosure, informed consent, allocation of health care resources and the health care provider as a citizen. Program Admittance: Admittance to PTA program required. (UE)

PTA 202 Applied anatomy and clinical kinesiology (5)
Formerly HLTH 202. This course is an introduction to kinesiology with emphasis on the functional application and analysis of the musculoskeletal system, including clinical assessment tools of goniometry. Program Admittance: Admittance to PTA program required. (UE)

PTA 204 Clinical neurology (3)
Formerly HLTH 201. This course is an introduction to clinical neurology and the effects of neurological dysfunction on the rehabilitation process. Includes basic anatomy and physiology of the nervous system, evaluation of normal neurological function, and fundamentals of disease processes and neurological impairment. Program Admittance: Admittance to PTA program required. (UE)

PTA 225 PTA procedures IV (5)
Introduction to orthopedics and the effects of orthopedic dysfunction on the rehabilitation process. Includes fundamentals of orthopedic terminology, survey of surgical repair and fundamentals of disease processes, orthopedic injuries and impairment. Therapeutic exercise techniques and testing procedures with selected kinesiological principles of therapeutic exercise. Emphasis on lower extremity and lumbosacral spine. Program Admittance: Admittance to PTA program required. (UE)

PTA 226 PTA procedures V (4)
Continued study of orthopedics and the effects of orthopedic dysfunction on the rehabilitation process. Includes fundamentals of orthopedic terminology, survey of surgical repair and fundamentals of disease processes, orthopedic injuries and impairment. Continued study of therapeutic exercise techniques and testing procedures. Focus on upper extremity and cervical/thoracic spine. Program Admittance: Admittance to PTA program required. (UE)

PTA 227 PTA procedures VI (7)
Principles of physical therapy treatment programs applied to specific disabilities, with emphasis on neurological dysfunctions, normal and abnormal development, and common pediatric neurological dysfunctions. Instruction in selected advanced procedures for treating dysfunctions. Program Admittance: Admittance to PTA program required. (UE)

PTA 251 Clinical experience II (5)
Supervised practical experience in the application of physical therapy procedures in the treatment of patients in health care facilities affiliated with the college. Lectures comprised of clinical discussion and presentation of pertinent clinical issues. S/U grading. Program Admittance: admittance to PTA program required. (UE)

PTA 254 Clinical affiliation I (9)
Internships of practical performance and application of physical therapy procedures and techniques under supervision in selected clinical settings. S/U grading. Program Admittance: Admittance to PTA program required. (UE)

PTA 255 Clinical affiliation II (9)
Internships of practical performance and application of physical therapy procedures and techniques under supervision in a different clinical setting than was selected in 254. S/U grading. Program Admittance: Admittance to PTA program required. (UE)

PTA 273 Anatomy and pathophysiology for the PTA I (3)
Integration of anatomy content into the previous course titled PTA 271 - Survey of Pathophysiology. Anatomy content will be related to the course topics including: cellular structure, inflammation, infectious diseases, immune, lymphatic, circulatory, and integumentary. Program Admittance: Admittance to PTA program required. (UE)

PTA 274 Anatomy and pathophysiology for the PTA II (4)
Continued overview of structure and function of various components of the human body systems from cellular level up to the organ system level and of general pathology, the disease process and its effect on rehabilitation. Orientation to common pharmacologic interventions, effects and side effects. Program Admittance: Admittance to PTA program required. (UE)

PTA 280 Special topics in physical therapy (2)
Overview of specialized topics in physical therapy including aquatic therapy, cardiac rehabilitation, women's health, wound care, and chest physical therapy. Integration of physical therapy techniques and communication skills learned throughout the program. Program Admittance: Admittance to PTA program required. (UE)

PTA 285 Manual therapy techniques for PTAs (1)
Beginning practice in selected manual therapy techniques including peripheral joint mobilization, myofascial release, muscle energy techniques and strain/counter-strain techniques. S/U grading. Program Admittance: Admittance to PTA program required. (UE)

SALI-Salish Sea Studies

SALI 201 Introduction to the Salish Sea (5)
An introduction to the complex ecologies and human experiences of the Salish Sea region. This interdisciplinary course introduces students to content in the natural and social sciences, and integrates experiential learning through local regional field trips, including cross-border experiences. (SSdgs)

SD-Software Development

SD 130 Systems analysis and design (5)
This course examines the system-development cycle in depth. Topics include problem identification, problem solving, and information-gathering techniques. Current structured tools are used to describe business rules and objects, data flow, data structures, and process flow and documentation. Creative problem solving and working in a team environment are stressed. (UE)

SD 180 Technical internship and career preparation (2)
This course is designed for software development students preparing to obtain an internship/job, while fostering career readiness skills. They will highlight their strengths and skills within a professional application, including resume, cover letter, and technical interview. Common strategies for successful interviews will be discussed while practicing solving interview problems. Prerequisite: CS 145 with a minimum grade of C (UE)

SD 230 Web programming (5)
Utilizing various scripting languages, students will learn to create interactive and dynamic web pages and applications. Topics include client and server side scripting, basic web security, and writing code on the web that interacts with a database. Prerequisite: CS 120 with a minimum grade of C and Prerequisite: CS 145 with a minimum grade of C (UE)

SD 235 Programming for mobile devices (5)
This course teaches the principles of mobile application design and development. Students will learn application development for major mobile platform(s). Topics will include user interface design, memory management, user interface building, input methods, data handling, and network techniques. Prerequisite: CIS 105 with a minimum grade of C and Prerequisite: CS 145 with a minimum grade of C (UE)

SD 247 Applied computer architecture (6)
This course is an overview of basic computer architecture where concepts are applied to course labs and projects. Topics include introduction to assembly, introduction to C programming language, data representation, and memory organization and management. Prerequisite: CIS 105 with a minimum grade of C and Prerequisite: CS 145 with a minimum grade of C (UE)

SD 250 Software security principles (3)
Students will explore fundamentals of software security, and learn how to write more secure code. Topics include common software and website vulnerabilities, proactive coding practices, and basics of cryptography. Prerequisite: CS 240 with a minimum grade of C and Advisory: CIS 201 with a minimum grade of C (UE)

SD 290 Software development internship (1-10)
Students will complete an academic internship that offers experience-based learning in a structured, supervised, and career-related setting. Measurable learning outcomes are collaboratively created by students, internship supervisor, and faculty mentor. Students will develop professional readiness by fostering skills necessary to work in the software development field. Repeatable with program permission. Prerequisite: SD 180 with a minimum grade of C and Prerequisite: Permission of instructor or program coordinator (UE)

SD 299 Software development capstone (5-10)
Students will work in teams to develop a real world software application, applying concepts taught in the Software Development program. In developing their application, students will complete the entire application development life cycle, including analysis, design, specification, implementation, testing, debugging, and deployment. Repeatable up to 10 credits. Prerequisite: SD 247 with a minimum grade of C or Prerequisite: Permission of instructor or program coordinator (UE)

SOC-Sociology

SOC& 101 Introduction to sociology (5)
Study of human group life, emphasizing socialization, social structure, and social interaction patterns. Class work is augmented by individual study experience situations. (SSd)

SOC 120 Marriage and family (5)
This course is the scientific study of the social institution of marriage and family. Topics include: family-related issues and types, relationships, socialization, mate selection, alternative enduring relationships, and divorce. Varieties and functions of contemporary American and cross cultural marriages and families. (SSd)

SOC& 201 Social problems (5)
This course is the study of the phenomenon of deviance with implications for society at large. Specific problems covered include crime, delinquency, and family dissolution. (SSd)

SOC 210 Urban sociology (5)
This course analyzes the transition and development of urban environments and the impact on human behavior and activities. Includes theory, origins, problems, and resources associated with cities. Sources of change are examined along with cross cultural variations in urbanization, modernization, and industrialization. (SSg)

SOC 220 Contemporary social issues (5)
Examination of current social issues. Includes in-depth study of an issue of student's choice. (SSd)

SOC 250 Multicultural issues (5)
Focuses on learning about the local ethnic populations in terms of community issues identified by representatives from these populations. Students will also look at how ethnic values, culture and heritage affect these issues. (SSd)

SOC 295 Honors program special topics seminar (2)
Reading, writing, discussion, and oral presentations designed to develop in-depth, advanced level knowledge of a topic in sociology. Program Admittance: acceptance into the Honors Program. (SS)

SPAN-Spanish

SPAN& 121 Spanish I (5)
This is an introductory course which facilitates elementary ability in comprehension, speaking, reading, and writing in Spanish, provides some understanding of Hispanic cultures, and prepares students for Spanish II. Intended for students who have no prior experience in Spanish. (Hg)

SPAN& 122 Spanish II (5)
This course builds upon the foundation of Spanish I. Facilitates ability in comprehension, speaking, reading, and writing in Spanish, provides some understanding of Hispanic cultures, and prepares students for Spanish III. Continued emphasis on both traditional grammar/vocabulary study and real communication. Prerequisite: SPAN& 121 (Hg)

SPAN& 123 Spanish III (5)
Capstone of the first-year series. Completes the basic foundation of understanding/ability in the four language skills and of basic knowledge of Hispanic cultures, and prepares students for second year Spanish. Continued emphasis on both traditional grammar/vocabulary study and active communication. Prerequisite: SPAN& 122 (Hg)

SPAN& 221 Spanish IV (5)
This is a second-year course which facilitates the leap from basic comprehension of the mechanics of the language to real ability to comprehend, speak, read, and write effectively in Spanish. Provides some solid insight into Hispanic cultures through readings and other media. Taught in Spanish. Prerequisite: SPAN& 123 or Prerequisite: SPAN 104 (Hg)

SPAN& 222 Spanish V (5)
Continuation of Spanish 201 which further develops practical conversational skills in Spanish while increasingly stressing reading comprehension strategies and effective writing. Hispanic cultures are investigated in increasing depth as students prepare for more advanced study. Taught in Spanish. Prerequisite: SPAN& 221 (Hg)

SPAN& 223 Spanish VI (5)
The capstone of the second-year series. Students refine practical conversational skills and polish formal writing techniques while studying more advanced structures and registers. Linguistic ability and cultural insight are further developed through the reading and study of authentic literary works. Prerequisite: SPAN& 222 (Hg)

SPAN 295 Honors program special topics seminar (2)
Reading, writing, discussion and oral presentations designed to develop in-depth, advanced level knowledge of a topic in Spanish. Program Admittance: acceptance into the Honors Program. (H)

SW-Social Work

SW 217 Introduction to social work (5)
An introduction to the practice of social work, including the role of social workers in addressing poverty and economic disparity, human rights, and social and economic justice through evidence-based and ethical practice. Course is centered on consideration of these topics through the micro, mezzo, and macro levels. Program Admittance: Admittance to BAS in Social Work program required. (UE)

SW 310 Social work ethics across practice areas (5)
Course introduces issues related to professional values, identity, and best practices in social work at the micro, mezzo, and macro levels. Emphasis on respect for diversity, difference, and person-in-context in application of the National Association of Social Workers (NASW) code of ethics. Program Admittance: Admittance to BAS in Social Work program required. (N)

SW 315 Human behavior in the social environment (5)
Provides foundational knowledge of a multi-dimensional person-in-environment approach to exploring human behavior. Application of major conceptual and theoretical frameworks throughout lifespan with emphasis on diversity, anti-racism, anti-oppression, and systemic influences with a bio-psycho-social perspective. Historical and socio-political issues integrated with theory to prepare for generalist social work across practice areas. Program Admittance: Admittance to BAS in Social Work program required. (N)

SW 320 Diversity, human rights, and social justice (5)
Introduction and exploration of diversity, marginalization, and oppression frameworks (theory, knowledge and values) for social justice in multicultural social work. Beginning skills in self-awareness and use of evidence-based practice models for generalist work with diverse populations at the micro, mezzo, and macro levels. Attention to intersectionality of identity dimensions. Formerly SW 400. Program Admittance: Admittance to BAS in Social Work program required. (N)

SW 330 Social work policy and advocacy (5)
Course provides an overview of current structures and history of social welfare policy. Students critically analyze social policy practices and major social legislation. Policy development, reform, and outcomes at micro, mezzo, and macro levels addressed. Students develop strategies to advocate social, economic, and environmental well-being of families, groups, and communities. Program Admittance: Admittance to BAS in Social Work program required. (N)

SW 340 Research and evaluation in social work practice (5)
This course introduces the logic of the scientific method in social work research and processes of evaluation. Introduces social work research methods - problem formulation, research design, measurement, quantitative and qualitative data collection and analysis. Skill development in critical consumption and application of research using social work ethics and values. Program Admittance: Admittance to BAS in Social Work program required. (N)

SW 350 Trauma responsive care across practice areas (5)
This is an introductory course on trauma responsive practice in social work which focuses on understanding contemporary, historical, and racial trauma, coping with trauma, and learning how to facilitate trauma informed and responsive generalist practice across practice areas. Program Admittance: Admittance to BAS in Social Work program required. (N)

SW 360 Assessment and engagement across practice areas (5)
Course provides practice in relationship building through interpersonal skills necessary for social work practice, as applied to assessment across practice areas. Emphasis on culturally competent, strengths- and empowerment-based, ecological systems-oriented assessment. Consideration of roles of ethics in the helping process. Program Admittance: Admittance to BAS in Social Work program required. (N)

SW 410 Generalist practice: individuals and families (5)
This course focuses on knowledge and skill development in generalist social work with individuals and families. Centered on research knowledge, values, and ethics. Emphasis placed on skills in engagement, assessment, planning, interviewing, intervening, and terminating. Program Admittance: Admittance to BAS in Social Work program required. (N)

SW 420 Generalist practice: groups (5)
Course focuses on knowledge and skill development in generalist social work with groups in a variety of settings. Group methods and research explored with emphasis on evidence-based and culturally-informed practices. Includes overview of group process elements: stages of group development, guidelines for multicultural practice, group roles, ethical and professional issues. Program Admittance: Admittance to BAS in Social Work program required. Prerequisite: SW 410 with a minimum grade of C (N)

SW 430 Generalist practice: communities and society (5)
Course focuses on knowledge and skill development in generalist social work with organizations and communities. Methods, research, and theory continued with emphasis on evidence-based and culturally-informed practices at the macro level. Includes overview of ethical and professional issues. Program Admittance: Admittance to BAS in Social Work program required. Prerequisite: SW 420 with a minimum grade of C (N)

SW 491 Social work practicum experience I (5)
Practicum provides 165 hours of supervised practice in a social work position. Application of course-based learning and competency development planned by students, agency supervisor, and faculty in individualized learning agreements. Concurrent enrollment in corresponding practicum seminar (1 credit) required. Program Admittance: Admittance to BAS in Social Work program required. Prerequisite: Program coordinator permission Co-requisite: SW 492 (N)

SW 492 Social work practicum: seminar I (1)
Seminar promotes integration of course-based learning with practicum field experiences through self-reflection, skill refinement, ethical consideration, and other supportive processes. Students integrate theory and practice, monitor competency progress, and process field experiences. Concurrent enrollment in Practicum Field Experience (SW 491) required. Program Admittance: Admittance to BAS in Social Work program required. Prerequisite: SW 430 with a minimum grade of C Co-requisite: SW 491 (N)

SW 493 Social work practicum experience II (4)
Practicum provides 132 hours of supervised practice in a social work position. Application of course-based learning and competency development planned by students, agency supervisor, and faculty in individualized learning agreements, building on skills and experiences from SW 491. Concurrent enrollment in corresponding practicum seminar (1 credit) required. Program Admittance: Admittance to BAS in Social Work program required. Prerequisite: SW 491 with a minimum grade of S Co-requisite: SW 494 (N)

SW 494 Social work practicum: seminar II (1)
Seminar promotes integration of course-based learning with practicum field experiences through self-reflection, skill refinement, ethical consideration, and other supportive processes. Students integrate theory and practice, monitor competency progress, and process field experiences. Concurrent enrollment in Practicum Field Experience (SW 493) required. Program Admittance: Admittance to BAS in Social Work program required. Co-requisite: SW 493 (N)

SW 495 Social work practicum experience III (4)
Practicum provides 132 hours of supervised practice in a social work position. Application of course-based learning and competency development planned by students, agency supervisor, and faculty in individualized learning agreements, building on skills and experiences from SW 493. Concurrent enrollment in corresponding practicum seminar (1 credit) required. Program Admittance: Admittance to BAS in Social Work program required. Prerequisite: SW 493 with a minimum grade of S Co-requisite: SW 496 (N)

SW 496 Social work practicum: seminar III (1)
Seminar promotes integration of course-based learning with practicum field experiences through self-reflection, skill refinement, ethical consideration, and other supportive processes. Students integrate theory and practice, monitor competency progress, and process field experiences. Concurrent enrollment in Practicum Experience III (SW 495) required. Program Admittance: Admittance to BAS in Social Work program required. Co-requisite: SW 495 (N)

VISCM-Visual Communications

VISCM 190 Visual communications internship (1-5)
The student will complete a visual communications internship that offers experience-based learning in a structured, supervised, and career-related setting. Measurable internship learning outcomes are collaboratively created by the student, internship supervisor, and faculty mentor. The student will develop professional readiness skills needed for the visual communications field. Repeatable with program permission. Program Admittance: required. Placement: ENGL& 101. Advisory: VISCM 190 courses above 5 credits can be arranged with permission from a Co-op Coordinator. (UE)

VISCM 192 Design lab (2)
Supervised design practice in which students solve graphic design and web design problems for local small non-profit organizations. Students will work individually or in teams with the organizations and will complete those studio projects in the campus lab. Program Admittance: required. (UE)

VISCM 240 Typography (3)
Study of the design of letterforms, the function of type, and the use of type as a design element. Program Admittance: required. (UE)

VISCM 250 Layout and publication design I (5)
Application of layout and typographic principles to the design of identity systems, publications, and collateral materials such as brochures, newsletters, and catalogs. Emphasis on learning page layout software and preparation of art and copy for print reproduction. Program Admittance: required. (UE)

VISCM 251 Layout and publication design II (5)
Further study of layout and publication design including the use of grid systems for multipage publications. Course covers document creation for print and digital publication and addresses issues of layout design for mobile devices such as eBook readers and tablets. Prerequisite: VISCM 250 Program/Degree Requisite: program admittance required. (UE)

VISCM 260 Vector illustration (5)
Illustration principles and techniques using vector-based software. Course covers the creation of illustrations for editorial, advertising, and information graphics purposes. Program Admittance: required. (UE)

VISCM 262 Advanced digital imaging (5)
Advanced Photoshop skills in preparing raster images for print, web, and digital publishing. Topics include: color management, image resolution, color correction, clipping paths, masks, sharpening, retouching, and compositing techniques. Program Admittance: required. (UE)

VISCM 270 Print production and prepress (5)
Study of commercial print processes and digital preparation of artwork for reproduction. Topics include: printing process, project workflow, industry standard graphic file formats, digital color foundations, preflight, quality issues, paper stock, bindery processes, business relationships, quoting print jobs. Program Admittance: required. (UE)

VISCM 280 Web design and authoring I (5)
This course covers the fundamentals of web design and site development using coding and web authoring software. Topics include: site planning, workflow, usability, interface and layout design, cross-platform issues, HTML/CSS, image optimization, and web typography. Program Admittance: required. (UE)

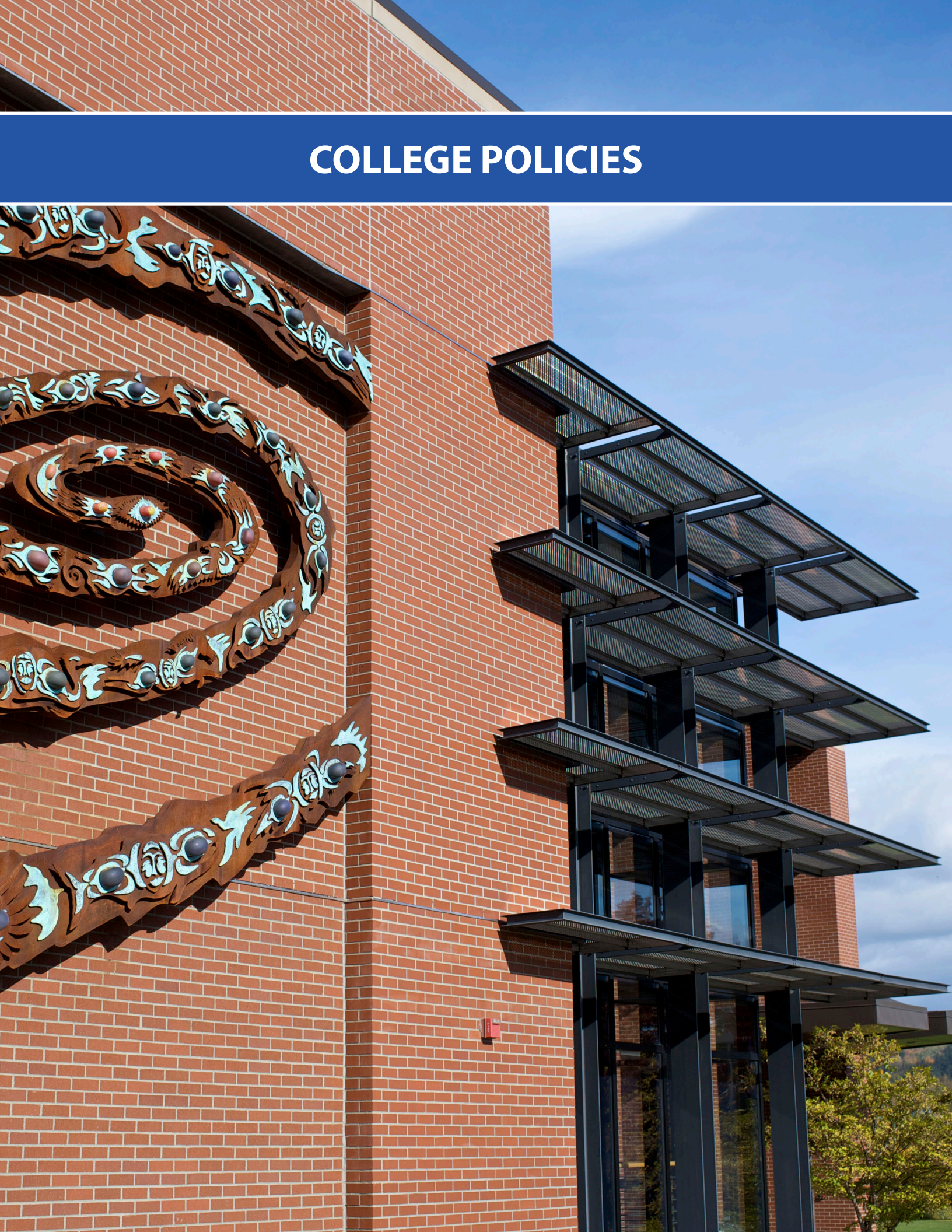
VISCM 282 Web design and authoring II (5)
Further study and application of web design principles and site development. Course topics include: designing for mobile and desktop screen sizes, grid systems for web layout, using HTML/CSS and jQuery for animation and interactivity. Program Admittance: required. Prerequisite: VISCM 280 (UE)

VISCM 284 Web content management systems (5)
Fundamentals of developing web sites using open source content management systems (CMS). Topics include: CMS functionality for web management needs, content organization, developing graphics for theme-based layouts, modifying theme design through HTML, CSS and scripting. Program Admittance: required. (UE)

VISCM 286 Video production for the web (5)
Fundamentals of video production with focus on creating and preparing video for streaming on the Web. Topics include: content development, digital video/audio production, digital editing techniques, file formats and compression for Web delivery. Program Admittance: required. (UE)

VISCM 292 Portfolio/professional practices (2)
This course examines standard professional and business practices in the graphic and web design profession with emphasis on the preparation of a portfolio of the student's work. Other topics include: resume writing, interviewing, portfolio presentations, business contracts, copyright law, record keeping, and taxes. Program Admittance: required. (UE)

COLLEGE POLICIES



College Policies

All Whatcom Community College policies, in addition to those listed here, are maintained by the President's office.

Alcohol and Controlled Substances-Information Related to the Federal Drug-Free School and Communities Act of 1989

Purpose

The College desires to facilitate access to appropriate health and medical care for students who develop academic problems, and employees who develop job performance problems as a consequence of drug and alcohol abuse.

Whatcom Community College recognizes drug dependency, including alcoholism, as a treatable illness that interferes with academic and work performances, personal health and safety, and the safety of others. The College recognizes its efforts to facilitate access to appropriate health and medical care for students and employees who develop drug and alcohol problems are limited to the following: 1) the effects of drug and alcohol abuse on a student's academic ability and behavior while involved in College activities; 2) the effects of drug and alcohol abuse on an employee's job performance and on-the-job behavior.

I. **Relevant State/Local Laws & College Policies**

Both the State of Washington and Whatcom Community College have adopted laws and policies governing the use of alcohol and controlled substances. The following is a summary listing of some of the laws and policies most relevant to Whatcom Community College students and employees.

A. STUDENT USE OF MARIJUANA, ALCOHOL, AND CONTROLLED SUBSTANCES: Students are prohibited from being observably under the influence of marijuana or the psychoactive compounds found in marijuana, or otherwise using, possessing, selling, or delivering any product containing marijuana or the psychoactive compounds found in marijuana and intended for human consumption, regardless of form, on college premises. While state law permits the recreational use of marijuana, federal law prohibits such use on college premises or in connection with college activities. Students are prohibited from being observably under the influence of any alcoholic beverage on college premises; with the exception of sanctioned events, approved by the president or designee, and in compliance with state law. Students are prohibited from the use, possession, or the appearance of being demonstrably under the influence of any legend drug, including anabolic steroids, androgens, or human growth hormones as defined by RCW 69.41, or any other controlled substance under RCW 69.50, except as prescribed for a student's use by a licensed practitioner. These prohibitions apply to every student whenever said student is present upon or in any College facility and whenever said student is present at or engaged in any College-sponsored activity which is held in College facilities or non-College facilities. (WAC 132U-125-020). Violation of these student responsibilities will result in disciplinary action.

B. EMPLOYEE USE/ABUSE OF ALCOHOL AND CONTROLLED SUBSTANCES: Employees are prohibited from being under the influence of or participating in the unlawful manufacture, distribution, possession, or use of a controlled substance in and on College-owned or controlled property; disciplinary action and possible termination will be taken in accordance with the Higher Education Personnel Board rules, bargaining unit agreements, tenure laws, or other policies of the institution. (WAC 296-024-073 (6) (e) and College Policy 404).

C. DRINKING AGE LAWS: It is unlawful for any person under the age of 21 years to acquire, possess or consume any alcoholic beverage. It is also unlawful for any person, other than a parent or guardian (and then only in specific situations), to provide alcoholic beverages to someone under 21. (RCW 66.44.270 and Local Ordinances 8707 and 8573).

D. COLLEGE FUNCTIONS THAT PROVIDE OR ALLOW ALCOHOLIC BEVERAGES WITHOUT COST (BANQUET PERMITS): No functions that involve the service or consumption of alcoholic beverages may take place on College grounds without a state banquet permit. (RCW 66.20.010). Any person acting without a required permit shall be guilty of a gross misdemeanor. (RCW 66.44.090). It is illegal to serve alcohol to anyone who appears intoxicated. (RCW 66.44.200).

E. SALE OF ALCOHOLIC BEVERAGES ON CAMPUS: Alcoholic beverages may not be sold on College property without obtaining an appropriate state liquor license. (RCW 66.20) Liquor licenses must be displayed in plain sight at the location of the event. (RCW 66.24.010(7)).

F. OPENING OR CONSUMING LIQUOR IN PUBLIC PLACES: Except where permits have been issued by the State Liquor Board and approval granted by the President, it is illegal to have an open container of alcohol or to consume alcohol in a public place, which includes College hallways and lounges, athletic fields, parks, sidewalks, parking lots, etc. (RCW 66.04.010(23) and 66.44.100 and Local Ordinance 9044.7).

G. PROMOTION OF LIQUOR AT WHATCOM COMMUNITY COLLEGE: No activities by liquor manufacturers or importers or their representatives which promote the sale or consumption of alcoholic beverages, either by brand name or in general, are allowed on College property except in accordance with state regulation and approved by the president. (RCW 66.28.160).

II. **Assistance**

The College recognizes its obligation to promote the health, safety, and well-being of its students and employees and to encourage appropriate assistance.

STUDENT ASSISTANCE: Students are encouraged to voluntarily seek expert assistance for alcoholism or drug dependency. Students who voluntarily reveal to a College staff member that they have been or are currently involved in the abuse of alcohol or illicit drugs shall have the confidentiality and anonymity of their communication respected, except under subpoena. The staff member

should refer students to the Whatcom Community College counseling office. The counseling office shall be capable of making referral to community resources for alcohol or drug abuse diagnosis or treatment. Confidentiality by counselors will be fully maintained according to Federal Law 42 CFR Part 2.

Any student receiving approved professional treatment for an alcohol or drug problem may be considered for Hardship Withdrawal. Students will use their own resources to cover costs incurred for treatment. Employees of Whatcom Community College are encouraged to refer students who abuse alcohol or illicit drugs to Whatcom Community College's counseling center for assessment and/or intervention and referral. Student confidentiality and anonymity of their communication shall be respected and limited to referral to the Whatcom Community College counseling office. No official College records shall be kept.

III. **Sanctions**

Whatcom Community College will impose sanctions on students and employees consistent with local, state and federal laws. These sanctions include possible expulsion or termination of students or employees who violate these laws. Faculty members, other College employees and students who breach or aid or abet another in the breach of any of these provisions shall be subject to: a) possible prosecution under the state criminal law, b) any other civil or criminal remedies available to the public, or c) appropriate disciplinary action pursuant to the state of Washington higher education personnel board rules or the College's policies and regulations. (WAC 132U-126-030 and College Policy 404).

Refer to the College's website for the complete version of this policy.

Discrimination, Harassment, and Sexual Harassment Complaints

WAC 132U-300-030 Statement of Policy.

Whatcom Community College recognizes its responsibility for investigation, resolution, implementation of corrective measures, and monitoring the educational environment and workplace to stop, remediate, and prevent discrimination on the basis of race, color, national origin, age, perceived or actual physical or mental disability, pregnancy, genetic information, sex, sexual orientation, gender identity, marital status, creed, religion, or honorably discharged veteran or military status, or the use of trained guide dog or service animal, as required by Title VI of the Civil Rights Act of 1964, Title VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Sections 504 and 508 of the Rehabilitation Act of 1973, the Americans with Disabilities Act and ADA Amendment Act, the Age Discrimination Act of 1975, the Violence Against Women Reauthorization Act and Washington State's Law Against Discrimination, Chapter 49.60 RCW and their implementing regulations. Employees are also protected from discrimination for filing a whistleblower complaint with the Washington State Auditor.

Harassment is defined as a form of discrimination consisting of physical or verbal conduct that denigrates or shows hostility toward individuals because of their membership in a protected class or their perceived membership in a protected class. Harassment occurs when the conduct is sufficiently severe and/or pervasive and so objectively offensive that it has the effect of altering the terms or conditions of employment or substantially limiting the ability of a student to participate in or benefit from the College's educational and/or social programs and/or student housing. Petty slights, annoyances, offensive utterances, and isolated incidents (unless extremely serious) typically do not qualify as harassment. Examples of conduct that could rise to the level of discriminatory harassment include but are not limited to the following:

- Epithets, "jokes," ridicule, mockery or other offensive or derogatory conduct focused upon an individual's membership in a protected class.
- Verbal or physical threats of violence or physical contact directed towards an individual based upon their membership in a protected class.
- Making, posting, emailing, texting, or otherwise circulating demeaning or offensive pictures, cartoons, graffiti, notes or other materials that relate to race, ethnic origin, gender or any other protected class.

Complaint Procedure.

The College recognizes its responsibility for investigation, resolution, implementation of corrective measures, and monitoring the educational environment and workplace to stop, remediate, and prevent discrimination and harassment, including sexual harassment.

Employees, students, or visitors who believe they have been the subject of discrimination or sexual harassment should report the incident to the following official: human resources director, affirmative action officer and Title IX coordinator, 360.383.3404.

The entire discrimination and harassment procedure is located on the College website.

Student Code of Conduct/ Student Rights and Responsibilities

As a student at Whatcom Community College, you hold both the privilege and the obligation to uphold an environment that fosters academic achievement, safety, and the overall well-being of yourself and others. The Student Code of Conduct, WAC 132U-126-00, outlines these rights and responsibilities, which are not only guaranteed by state law but also mandated by college policy. This policy applies to all students, whether on campus or participating in any college-sponsored activity or event.

For a comprehensive understanding of the Student Code of Conduct, please visit review the official document available on the college's website at www.whatcom.edu/studentconduct.

Student Computer Use Rules

Students are guests of Whatcom Community College's managed technology environment. Campus computers are intended to support educational goals and may not be used for personal gain or illegal activities. Please refer to Whatcom Community College Procedure 1189, Use of College Computing Resources.

- Students may not use staff computers.
- Do not remove, mistreat, or damage the computer equipment.
- Hardware or software configurations may not be altered.
- Do not download or install any software or applications. This includes games, e-mail software, and instructional programs that may be included with your textbooks.
- Do not install any peripheral devices.
- Do not share passwords.

- Exercise caution when opening e-mail attachments, clicking on links from unknown senders, or downloading files from the internet.
- No personal computers or other devices may be connected to the College network or telephone system, including USB drives.
- Personal devices may be connected to the wireless network only.
- Campus technology resources will be provided off-campus with VMware View, available at MyWCC on the College website.
- Attempts to remotely access, hack, bypass, alter, or circumvent any network or computer security on any system are illegal.
- Any form of network monitoring is expressly prohibited.
- Individuals must not interfere with the personal rights of others, or the educational process of the College as defined by the WCC Student Rights and Responsibilities outlined in the WCC catalog including cyber misconduct.
- In addition, individual labs and departments may have procedures or guidelines beyond the rules listed here.

Unauthorized use of WCC's technology resources is a serious offense and may result in disciplinary or legal action that could include expulsion from school, civil prosecution by the College or criminal prosecution.

Transfer Rights and Responsibilities

Student Rights and Responsibilities

- Students have the right to clear, accurate, and current information about their transfer admission requirements, transfer admission deadlines, degree requirements, and transfer policies that include course equivalencies.
- Transfer and freshman-entry students have the right to expect comparable standards for regular admission to programs and comparable program requirements.
- Students have the right to seek clarification regarding their transfer evaluation and may request the reconsideration of any aspect of that evaluation. In response, the college will follow established practices and processes for reviewing its transfer credit decisions.
- Students who encounter other transfer difficulties have the right to seek resolution. Each institution will have a defined process for resolution that is published and readily available to students.
- Students have the responsibility to complete all materials required for admission and to submit the application on or before the published deadlines.
- Students have the responsibility to plan their courses of study by referring to the specific published degree requirements of the college or academic program in which they intend to earn a bachelor's degree.

- When a student changes a major or degree program, the student assumes full responsibility for meeting the new requirements.
- Students who complete the general education requirements at any public four-year institution of higher education in Washington, when admitted to another public four-year institution will have met the lower division general education requirements of the institution to which they transfer.

College and University Rights and Responsibilities

- Colleges and universities have the right and authority to determine program requirements and course offerings in accordance with their institutional missions.
- Colleges and universities have the responsibility to communicate and publish their requirements and course offerings to students and the public, including information about student transfer rights and responsibilities.

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

FACULTY AND ADMINISTRATION



Faculty and Administration

Board of Trustees

BOHLKE, WENDY
Trustee
JD, Willamette University College of Law
BA, University of Washington

FAIRCHILD, JEFFREY
Trustee
JD, Washington University School of Law
BA, Duke University

JOHNSON, REBECCA
Trustee
MA, Seattle University
Graduate Certificate Public Health, University of Washington
BA, Washington State University

PEDLOW, JOHN
Trustee
BS, Widener University
Post-graduate work in Law and Business Administration

TAYLOR, TERESA
Trustee
AAS-DTA, Whatcom Community College
Certificate in Patient Navigation, Whatcom Community College
Project Management, Business Administration, Accounting, Western Washington University

President and Cabinet

HIYANE-BROWN, KATHI
President
EdD, Oregon State University
MA, University of Iowa
AB, Grinnell College

KLOKE, RAFEEKA
Executive Director for the Office of the President
BA, Western Washington University

LANGSTRAAT, NATHAN
Vice President for Administrative Services
MBA, Western Washington University
BA, Western Washington University

HOLFERTY, KERRI
Interim Vice President for Student Services
MEd, Western Washington University
BA, Western Washington Univeristy

THOMAS, STEVEN
Vice President for Instruction
Ph.D, Univeristy of Southern California
MEd, Ohio University
BA, Bowling Green State University

Full-Time Faculty and Administrators

Whatcom Community College serves the educational needs of the community with both full- time and adjunct (part-time) faculty.

BABCOCK, JASON
Learning Center Director
PhD, University of Washington
MS, Pennsylvania State University
BS, Pennsylvania State University

BAKER, KATE
Business
MBA, Western Washington University
BA, Western Washington University

BEISHLINE, ROBERT
Art
MFA, University of Minnesota
BA, University of Puget Sound

BLANTON HUGHES, TARA
English
PhD, University of Rochester
MA, University of Rochester
BA, Boise State University

BRAIMES, PATTI
Transitional Learning/English Language Learner
MEd, Western Washington Univeristy
BA, Western Washington Univeristy

BURNETT, PATRICK
Engineering
MS, Northern Illinois University
BS, University of Illinois of Urbana- Champaign
State of Washington Education Certificate

CARROLL, DANNY
Social Work
PhD, Indiana University
MSW, Indiana University
BSW, Indiana Wesleyan Univeristy

COPE, BRIAN
English
PhD, Indiana University of Pennsylvania
MA, Indiana University of Pennsylvania
BS, West Virginia University

CORBITT, JARID
Associate Director for Veteran Services
MEd, Western Washington University
BA, Western Washington University

COULTER, GRETCHEN
English
MA, Western Washington University
BA, Western Washington University
AAS, Whatcom Community College

CRISS, DARRELL
Computer Science
MS, City University
BS, National University

CRISWELL, LEXUS
Assocate Director of Orca Central
MA, California State University San Marcos
BA, California State University San Marcos

CURD, PAUL
Counselor
PsyD, Northwest University
MA, Northwest University
BA, Northwest University

DANIELS, RHONDA
English
MA, Western Washington University
BA, Western Washington University

DAVISHAHL, ERIC
Engineering
MS, University of Washington
BS, University of Colorado

DEROY, STEVEN
Chemistry
MS, University of Washington
BS, University of Puget Sound

DEWILDE, JODY
Mathematics
MEd, Western Washington University
BS, Western Washington University

DRINKWINE, JIM
Business
MBA, City University
BA, Washington State University
AA, Peninsula College

DUTTON, TRESHA
Communication Studies
PhD, University of Washington
MA, University of Washington
BA, University of Washington

EGERSTROM, KIRSTEN
Philosophy
PhD, Syracuse University
MA, Northern Illinois University
BA, Cornell College

EIRISH, THERON
Massage Therapist
BA, Western Washington University
Massage Practitioner Certificate, WCC

ENDERBERG, ANGELA
Spanish
PhD, University of Arizona
MA, University of Arizona
BA, Western Washington University

ENGEBRETSON, HILARY
Biology
PhD, Northcentral University
MS, Western Washington University
BS, Oral Roberts University

ERICKSEN, JUSTIN
English
JD, Arizona State University
MA, Western Washington University
BA, University of Puget Sound

FARANI, HEIDI
Director for Student Life and Development
MEd, Western Washington University
BA, Western Washington University

FASLER, JOHN
Accounting
JD, Thomas Jefferson University College of Law
MAc, University of Arizona
MAdmin, University of California, Riverside
BS, University of Arizona
BS, University of California, Riverside
BA, University of California, Riverside

FORSYTHE, LISA
Director of Access & Disability Services
MA, Western Washington University
BA, Washington State University
AA, Skagit Valley College

FRAZEY, PAUL
Chemistry
PhD, University of Colorado – Boulder
BS, Pennsylvania State University

FULLER, HOWARD
Library Director
MLIS, University of Wisconsin-Milwaukee
BS, University of Wisconsin-Milwaukee

GALLARDO, DAWN
Counselor
MA, University of North Dakota Grand Forks
BA, University of North Dakota Grand Forks

GAUDETTE-HOLMES, SANDRA
Nursing
MSN/Ed, University of Phoenix
BSN, University of Massachusetts

GHADERI, KOUROSH
Mathematics
MA, San Francisco State University
MS, California State University, East Bay
BS, University of California, Los Angeles

GIFFORD, NOEL
Computer Science
MS Computer Science, Oregon Health & Sciences University
Graduate Certificate - Computational Finance, Oregon Graduate Institute
BS Mathematics, Biola University

GLEN, LESLIE
Mathematics
PhD, Simon Fraser University
MS, Western Washington University
BA, University of Texas, Arlington
AAS, Glendale Community College

GOSCH, VERONICA
Nursing
MSN, Gonzaga University
ASN, Cabrillo College
AS, Richard Bland College

GRAHAM, ERIN
Psychology

MS, Texas A&M University
BA, Purdue University

GRAY, DANIELLE

English
MA, Miami University
BA, Western Washington University
AAS, Whatcom Community College

GREEN, MATTHEW

Dean for Workforce Education
MBA, Utah State University
BS, Economics, University of Utah
BA, Political Science, University of Utah

GREENDALE, SETH

Mathematics
MS, Western Washington University
BA, St. Olaf College

HABERMAN, MARY

History & Political Science
MA, Western Washington University
BA, Creighton University

HALL, NATHAN

Mathematics
MS, Western Washington University
BS, Western Washington University

HARKER, ANITA

Sociology
PhD, Utah State University
MS, Brigham Young University

HENOCH, BRENDA

Physical Therapist Assistant Program
MPT, Samuel Merritt University
BA, CSU, Chico

HOLTZHEIMER, CRYSTAL

Mathematics
MEd, Western Washington University
BS, Western Washington University
AAS, Whatcom Community College

HONEYCUTT, TYLER

Mathematics
MS, Western Washington University
BS, University of Alaska Southeast

HOPCROFT, LEO

Developmental Education
MEd, Western Washington University
BA, Western Washington University
AA, Whatcom Community College

HORNE, PETER

Senior Research Analyst
MS, Western Washington University
BA, Duke University

HOSKINS, CYNTHIA

Administrative Assistant to the VP for Admin. Services
AS, Whatcom Community College (3)

JOHANSEN, CINDY

Faculty & Program Chair ECE/EDUC, Early Achievers Program Contact
PhD, Concordia University Chicaco
MA, Pacifica Oaks College
BA, Weatern Washington University

JOHNSON, KAYCEE

Executive Director for Human Resources
MS, Western Governors University
BA, Western Washington University
AA, Whatcom Community College

JOHNSON, LIZ

Dean for Health Professions and STEM
MS, North Carolina State University
BS, Montatna State University

KARLBERG, ANNE MARIE

Director for Assessment & Institutional Research
PhD, University of British Columbia
MPH, Tulane University
BEd, University of Toronto
BS, University of Toronto

KEELEY, BRIAN

Senior Director of Facilities and Operations
BS, Grand Valley State University

KENDALL, STEPHANIE

Administrative Assistant for VP of Student Services
MA, University of Victoria
BA, University of British Columbia

KESTER, KELLY

Director for International Programs
MA, University of Montana
BA, University of North Dakota

KIRK, MARIA

Nursing

MSN, University of Washington
BSN, University of Michigan
BA, University of Michigan

KLAUSMAN, JEFFREY

English
DA, Idaho State University MFA, University of Oregon
BS, Portland State University

KOEHLER, ABBY

Faculty Systems Librarian
MS, University of Illinois Urbana-Champaign
BA, Illinois State University

KOHN, BEN

World Languages, Humanities
MA, University of Washington
BA, University of Washington
Certification, Det Fynske
Musikkonservatorium, Odense, Denmark

KOLODYCHUK, GRACE

Nursing Program Director
PhD Nursing, Washington State University
MSN, Kent State University
BSN, University of Alberta

KRAFT, (KAATJE) KATRIEN

Geology
PhD, Arizona State University
MS, Arizona State University
BA, Colby College

KROONTJE, DAWN

Transitional Learning
M.Ed. Western Washington University
BA Sociology Northwestern College

LANCASTER, DEBRA

Biology
PhD, University of Louisiana, Lafayette
MS, Miami University
BS, University of Texas, Tyler
AAS, Tyler Junior College

LARGE, GERALD

Drama
PhD, University of Wisconsin, Madison
MFA, Ohio University
BA, University of North Texas

LAVISH, LATRISH

Director of AHEC for Western Washington
MPS, Missouri State University
BA, University of Central Oklahoma

LONAC, SUSAN

English
PhD, University of California, Davis
MA, University of California, Davis
BA, University of California, Santa Barbara

LUU, MEI

Mathematics
MS, Minnesota State University, Mankato
BS, University of Minnesota, Twin Cities

LYNCH, SIGNEE

English
MA, University of Washington
BA, University of Washington
BS, University of Utah (2)

MANIATIS, LAUREN

Biology
MS, Western Washington University
BS, Florida Institute of Technology

MARTIN, JUSTIN

Art
MFA, University of South Florida
BFA, University of Montana
AS, Missoula College - University of Montana

MARTENS, WILLIAM

Director of Business and Finance
MBA, California State University, Stanislaus
BA, Western Washington University
AAS, Whatcom Community College

MAXWELL, BARRY

Political Science
MMAS, Army Command and General Staff College
MA, University of Southern California
BA, University of California, Los Angeles

MCGARITY, NICHOLE

Business & Law
MPA, Middlebury Institute of International Studies
BA, Western Washington University

MCKERNAN, ROWENA

OER Specialist
MLIS, University of British Columbia
BA, Western Washington University
AA, Whatcom Community College

MUIR, CARRIE
Mathematics
PhD, University of Nebraska
MA, University of Colorado
BA, Graceland University

NAF, WARD
Director for Information Technology
AAS, Whatcom Community College

NIYATI, SAEED
Nursing
DNP, University of Texas at Arlington
MS, University of Texas at Arlington

PASQUINI, CHRISTOPHER
Computer Information Systems
BS, Western Governors University
AS, Whatcom Community College

PEDICONE, ROB
Director for Athletics & Recreation
MPS, Missouri State University
BA, Western Washington University

PHUNG, TRAN
Physics, Physical Science
PhD, University of Oregon
MS, University of Oregon
BA, Whittier College

PIETTE, KAREN
Medical Assisting
MHS, Western Carolina University
BS, University of North Carolina at Greensboro

POBLET, INES
English for Speakers of Other Languages (ESOL)
MA, Hawaii Pacific University
BA, Loyola Marymount University

REA, GAIL
Nursing
MN, Athabasca University
BSN, University of British Columbia

REEVES, KIMBERLY
Biology
MEd, University of Georgia
BS, University of Georgia

RITTER SMITH, KARL
Director of Entry & Enrollment Services, Registrar
M. Ed., Western Washington University
BA, Western Washington University

ROBINSON-BENDEL, MICHELE
Senior Director, Cyber Security Grants
BS, University of San Francisco

ROMERO, ANDREA
English
PhD, New Mexico State University
MA, University of Texas at El Paso
BA, University of Texas at El Paso

RUDY, KRISTIN
Technology
BS, Whatcom Community College
AS, Whatcom Community College

SALING MAYER, MARNI
Director for Communications and Marketing
BA, Western Washington University

SANDOZ, VICTORIA (TORY)
Behavioral Health/Substance Use Disorder Professional Program
MSW, Eastern Washington University
BS, Western Washington University

SAVIDAN, KIM
Nursing
MN, University of San Diego
BN, University of Phoenix
BS, Chapman University
AA, Golden West College

SAUNDERS, CHRISTY
Computer Information Systems
MS, Western Governors University
BS, Western Governors University

SCHROEDER, MARY
Coordinator for the Student Recreation Center
BA, Western Washington University

SEHMAN, MELANIE
Music
DMA, Eastman School of Music
MM, Arizona State University
BM, Central Washington University

SHANG, SOPHIA
English for Speakers of Other Languages (ESOL)
MA, University of Illinois at Urbana- Champaign
BS, University of Illinois at Urbana- Champaign

SHERIF, RUSSELL
Mathematics
PhD, University of Southern California
MSE, Princeton University
BS, University of Washington

SINGLETON, LEE
Mathematics
PhD, Florida State University
MS, Florida State University
BS, Harding University

SLAGLE, TEALIA
Biology
MSC, Universities of Manchester, Salford and Keele, England
MPH, University of California, Los Angeles
BS, University of California, Santa Barbara

SMITH, GUY
Communication Studies
MEd, Western Washington University
MA, Washington State University
BA, Washington State University (2)
Secondary Education Teaching Certificate

SPORES, JON
Bookstore Supervisor
MA, University of Texas
BA, University of Alabama

STACY, IAN
History
PhD, University of Montana
MA, Marshall University
MA, Central Washington University
BS, The New School

THOMPSON, LEAH
Academic Skills and Resources
MA, Central Washington University
BA, Central Washington University

TOWNSEND, TAWNY
Director for Academic Advising and Career Services
MEd, Western Washington University
MA, Western Washington University
BA, Western Washington University

VANNELLI, TOMMASO
Chemistry
PhD, University of California, San Diego
MS, University of California, San Diego
BS, Tufts University

VERNOLA, RAQUEL (ROCKY)
Director for Safety & Security

VLAHOS, MARGARET
Counselor
MS, University of Southern Mississippi
BA, University of Southern Mississippi

WEBBER, WILLIAM
Mathematics
PhD, University of Washington
MS, University of Alaska-Fairbanks
BS, University of Massachusetts-Amherst

WHALEN, MO
Community Standards & Residence Life Coordinator
BA, Eastern Washington University

WILL, ANTHONY
Communication Studies
PhD, Washington State University
MA, Washington State University
BA, Washington State University (2)

WOLFF, ANNA
English
MA, Western Washington University
BA, Western Washington University

ZABEL, MELANIE
Psychology
MS, Western Washington University
BA, Western Washington University
AA, Whatcom Community College

ZARAGOZA-ROSA, TANYA
Director for Intercultural Services
MEd, Western Washington University
BA, Western Washington University

ZONDERVAN, E.O. 'AMBER'
Administrative Assistant for the VP for Instruction
MEd, Western Washington University
BA, University of Washington

ZOVAR, JENNIFER
Anthropology
PhD, Vanderbilt University
MA, Vanderbilt University
BA, Pacific Lutheran University

Adjunct Faculty

The college employs a significant number of adjunct (part-time) faculty in a wide range of disciplines. All adjunct faculty are listed in the faculty and staff directory at **whatcom.edu/contactus.**

AASBY, ALISON
English as a Second Language
MA, Trinity Western University
BA, Western Washington University
TESOL Certificate, Western Washington University

ANDERSON, DEBORAH
Music
MA, University of California San Diego
BA, University of California San Diego

BAIER, KEVIN
Visual Communications
BS, Syracuse University
BA, Syracuse University

BAKER, JEAN
French & Humanities
PhD, University of Washington
MA, University of Washington
BA, Central Washington University

BIKMAN, MARGARET
Library
MA, Portland State University
BA, Oregon State University

BISHOP, ALLIE
Parenting Education
MS, Erikson Institute
BS, New York University

BOLAND, CHLOE
Engineering
MS, Western Washington University
BS, Western Washington University

BOOKER, ANNA
History
MA, University of Montana, Missoula
BA, University of California, Santa Cruz

BORGESEN, WENDY
English
MA, Western Washington University
BS, Huxley College, Western Washington University
BA, University of Missouri
Secondary Teaching Certificate: multiple subject areas

BUCKLEY, SETSUKO
Japanese, History, Interdisciplinary Studies
EdD, University of Washington
EdM, Boston University
BA, University of Washington

BURNS, KATHERINE
English
MA, Western Washington University
MA, University of London, Royal Holloway
BA, Western Washington University

BUTENSCHOEN, LORI
Nursing
MSN, Aspen University
BSN, University of Providence
RN, Whatcom Community College
LPN, Bellingham Technical College

CALL, SHANNON M.
Biology
MS, Western Washington University
BS, Weber State University

CARNEY, LAURA
English as a Second Language and IBEST
MA, University of British Columbia
BA, University of British Columbia

CHAPPELLE, SOLEIL
Dance
MA, California Institute of Integral Studies
BFA, Naropa University

CHATTERTON, EDWARD
Geography & History
MA, Western Washington University
BA, Western Washington University
AA, Whatcom Community College

COULET DU GARD, DOMINIQUE
Anthropology
PhD, Boston University

MA, Boston University
BA, University of Delaware

CRZURDA-PAGE, KATHLEEN

Computer Informaiton Systems/Cybersecurity
MS, University of Idaho
BS, University of Idaho

DONEGAN, DARCIE

Early Childhood Education, Education
MA, Pacific Oaks College
BA, University of Washington

DOUGAN, BERNARD

Geology
MS, Western Washington University
BS, Western Washington University
AA, El Camino College, Torrance, California

GADAY, MANRAJ

Computer Information Systems/Cyber Security
MS, Central Washington University
BA, Western Washington Univesrity

GILLETTE, SAMUEL

Geology
PhD, University of California Berkeley
MS, University of California San Diego
BS, University of Texas at Austin

GOLOB, ADAM

Political Science
PhD, University of South Florida
MA, University of South Florida
BA, University of South Carolina

GORDON, AMANDA

English
MA, Colorado State University
BA, University of Oregon

GREEN, VINCENT

Music
MA, Arizona State University
BS, Western Washington University

HAGIN, WENDY

Chinese
MEd, Western Washington University
BA, Xi'an Jiaotong University, China

HANSEN, GREG

Hospitality & Tourism Business Management
BA, Western Washington University

HEIMER, ANDREA

Visual Arts
MFA, New Hampshire Institute of Art

HEINER, KENT

Computer Science
MS, Western Governors University
BA, Brigham Young University

HENDERSON, JENNIFER

Chemistry
PhD, Johns Hopkins University, School of Medicine
BA, Whitman College

HENRICHS, DEBORAH

Exercise Science & Massage Therapy
MS, Western Washington University
BA, Western Washington University
Massage Therepy, Northwest Academy for Healing Arts

HEPWORTH, KRISTEN

Psychology
MEd, Western Washington University
MS, Western Washington University
BA, Western Washington University
AA, Olympic College

HOLTER, DESIREE

English
MA, Western Washington University
BA, Washington State University

HOPE, CATALINA

ABE/ELL/Medical Assisting/Business Computers/EDPL
MBA, California State University San Marcos
MSW and Counseling, San Diego State University
BSN, San Diego State University
TESOL Certificate, Western Washington University
HR Certificate, University of California San Diego

INGMANSON, MYRA

English as a Second Language
MA, Interamerican University of Puerto Rico
BA, Western Washington University
TEAP (Teaching English for Academic Purposes),
SOAS University of London

IVARINEN, NANCY

Paralegal Studies
JD, University of Montana
BS, Minnesota University at Mankato

JAGER, SHIRLEY
Nursing
MSN, Capella University
BSN/RN, Calvin University

JANUSZEWSKI, OLESIA
English for Speakers of Other Languages (ESOL)
MEd, Western Washington University
BA, Pacific University

JORDAN, CHARLOTTE
Nursing
DNP, Gonzaga University
BSN, University of Washington

KENYON, JOANNA
English
MFA, School of the Art Institute of Chicago
MA, Western Washington University
BA, Reed College

KINNEY, GAYLE
Medical Assisting
MEd, Western Washington University
BA, Western Washington University

KOZACZUK, CARINA
English Language Leaners (ELL)
MA, San Francisco State University
BA, Western Washington University

KOZACZUK, VICTOR
Mathematics
MS, San Jose State University
BS, San Francisco State University

KUHN, CYNTHIA
Chemistry and Biology
MS, Western Washington University
MST, Potsdam College
BS, Medical Technology, SUNY Plattsburgh

LARA, J.R.
English
MFA, Western Washington University
BA, Fairhaven College

LOPEZ, ALEJANDRA
Engineering
PhD,Pardee Rand Graduate School
MPhil, Pardee Rand Graduate School
MS, Purdue Univesrity
BA, Arizona State University
AS, Mesa Community College

LUTES, KRISTEN
English for Speakers of Other Languages (ESOL) & HSC Instructor
MA, Seattle University
BA, University of Michigan

MALONE, MICHELLE
Parenting Education
MS, Western Washington University
BA Ed, Western Washington University

MARTINDALE, LORI
English
PhD, European Graduate School
MA, Western Washington University
BA, Western Washington University

MARSHALL, REGINALD
Computer Information Systems/Cybersecurity
BS, Cybersecurity, Western Washington University
AA, Whatcom Community College

MCCLAIN, LEE
Business
MBA, University of Pennsylvania
MA, University of Missouri-Columbia
AB, University of Missouri-Columbia

MCGOFF, COLLEEN
Communication Studies
MA, University of Washington
BA, CSU Fresno
AA, Chabot College

MCHENRY, MICHAEL
Criminal Justice, Program Coordinator
PhD, Capella University
MS, American Public University System
MA, American Public University System

MCMAHILL, CHEIRON
English for Speakers of Other Languages (ESOL)
PhD, Lancaster University
MATESL, University of Washington

MCQUARRIE, EMILY
Chemistry
MS, Western Washington University
BS, Oregon State University
BFA, University of Idaho

MORGAN-SCHARHON, DANIELLE
Arts, Humanities & Languages
MFA, New York University
BA, Western Washington University
AA, Whatcom Community College

NAU, LISA
Physical Therepy
AA, Whatcom Community College

NAVARRE, PATRICIA
English for Speakers of Other Languages
MEd, Western Washington University
BA, Oakland University
TESOL Certificate, Western Washington University

NELSON, PATRICIA
Music Instructor
MM, Northwestern University
BM, University of North Carolina, Chapel Hill

NESSE, GLEN
Philosophy
MA, University of Wyoming
BA, Western Washington University
AA, Central Lakes College

NORTH, SARAH
Computer Information Systems/Cybersecurity
PhD, Clark Atlanta University
MS, Clark Atlanta University
BS, Girls College, Shameran

OLZA-KELSH, CAROLINA
Parent Education and Early Childhood Education
MS, Walden University
BA, University of the Americas, Puebla, MX

PAPICH, MARY LOU
Nursing
MSN, Gonzaga University
BSN, Montana State University

PAVIA, CURT
Visual Communications
MA, University of Colorado Denver
BAE, Western Washington University
AA, Edmonds Community College

POTTER, NICHOLAS
Film
MA, Western Washington University
BA, Western Washington University

RABKIN, TEAGUE
Anthropology
MA, California State University Northridge
BA, California State University Northridge
AA, Los Angeles Pierce College

RASMUSSEN, JESSE
Ceramics/Sculpture
MVA., The University of Sydney, AU
BFA., Minnesota State University, Mankato
AA, Minnesota State University, Mankato

RIEDEL, AMY
Medical Assisting
MEd, Western Washington University
BA, Western Washington University
Licensed Practical Nurse

RIESS, MONICA
Geology & Oceanography
MS, University of Washington
BS, University of Washington
BA, University of Wisconsin
AS, North Seattle Community College

RIGBERG, MATTHEW
Criminal Justice
MBS, University of Phoenix
BA, Emory University

ROBERTSON, DOUGLAS
Political Science
JD, Willamette University
BS, Lewis and Clark College

ROLLINS, ALYSON
Anthropology
MA, Western Washington University
BS, Lewis-Clark State College
AA, Yakima Valley Community College

ROMANYSHYN, ANDREW
Computer Information Systems/Business Computers
MEd, Western Washington University
BS, Colorado State University

ROPER, SAM
English
MA, University of Utah
BA, University of Puget Sound
Secondary Teaching Certificate

ROSE, STEVEN
Computer Information Systems
AS, South Puget Sound Community College

ROSE-DUCKWORTH, ROXANN
Education, Early Childhood Education
MA, City University
BA, Washington State University

ROSER, PHILIPP
Physics
PhD, Clemson University
MSc, Imperial College London (UK)
MPhysPhil, University of Oxford (UK)

ROSTEN, LESLEY
Nursing
MSN, Western Governors University
BSN, Western Governors University
AS, Bellingham Technical College

ROUSE, MICHAEL
Computer Information Systems/Cybersecurity
MBA, Keller Graduate School of Business
MEd, Western Washington University
BS, Eastern Washington University
BA, Pacific University

RYAN, CHERYL
English for Speakers of Other Languages
MA, Azusa Pacific University
BA, Western Washington University

SCHRAML, ULRICH
History
MA, Western Washington University
BA, Western Washington University
AA, Whatcom Community College

SEHMAN, STEVEN
Music
DMA, Stony Brook University (SUNY)
MM, Eastman School of Music
BM, Arizona State University

SLOVER, ELIZABETH
Nursing
BSN, George Mason University

SMARTT, SCOTT
Mathematics
MEd, City University
BS, Willamette University

SMOOT, EMILY
Geology
MS, Western Washington University
BS, Portland State University
AA Portland Community College

SNOWDER, BRAD
Astronomy
MEd, Western Washington University
BS, Western Washington University

SORIANO, TRACI
Psychology
BA, Northwest Nazarene University
Massage Therapy, Whatcom Community College

SPAICH, JAMES
English
MA Western Washington University
BA Kansas State University

STEELE, JESSICA
English
MA, Western Washington University
BA, Western Washington University

STUART, GAVIN
Computer Information Systems/Cybersecurity
AAS, Whatcom Community College

TAMMINGA, MELISSA
English
MA, University of British Columbia
BA, Northwestern College (IA)

TAYLOR, KATHERINE
Art
MFA, University of Washington
BFA, University of Washington
BA, Western Washington University

TAYLOR, STEVEN
Criminal Justice
JD, University of Arkansas
BA, University of Arkansas

TENA, VENILDE
Nursing
MSN-Ed, Western Governors University
BSN, University of Washington

TOMPKINS, CHARLES
Sociology
MA, Western Washington University

BA, Western Washington University

TYNE, BETH

Learning Contracts and Prior Learning

MEd, Western Washington University

BA, Miami University

VANDYKE, MARK

Biology

MEd, Arizona State University

BS, Northern Arizona University

VAUGHAN, TARA

Mathematics

MEd, Concordia University

BA, University of Washington

VILLALVA, JENNIFER

Mathematics

MS, Florida Institute of Technology

BS, Western Washington University

VOIGHT, JEREMY

English

PhD, University of Birmingham

MFA, Bennington College

BA, Western Washington University

WASILEWSKI, JULIE

Early Childhood Education

MEd, Eastern Washingon University

BA, Western Washington University

WATTERS, TIMOTHY

Philosophy, Interdisciplinary Studies, Social Sciences, Communication Studies

JCL, St. Paul University, Ottawa MCL, University of Ottawa

MChA, Catholic University of America

MA, Catholic University of America

STB, Catholic University of America

BA, St. Mary's College, Kentucky

WELLS, DONNA

Behavorial Health

MA, Antioch University

BA, Western Washington University

WERBOFF, ANN

Economics

MA, University of Massachusetts

BA, American University

WILLETTE, MEGHAN

Early Childhood Education

MEd, University of Washington

WILKINSON, CAROL

Psychology

MS, Western Washington University

BA, University of Washington

AA, Highline Community College

WILLIAMS, HEATHER

Library

MLIS, University of Wisconsin-Milwaukee

BA, Western Washington University

TESOL Certificate, Western Washington University

WILSON, BRANDON

Film

MFA, University of California Los Angeles

BA, University of California Los Angeles

WISNIEWSKI, WALLI ANN

Spanish

Phd, The Pennsylvania State University

MA, Indiana University

BA, Illinois State University

YODER, RACHEL

Music

DMA, University of North Texas

MM, Michican State University

BS,Ball State University

YOUNG-BLANCHARD, DIANA

English

MA, National University

MS, Walden University

BA, Seattle University

APPENDIXES



Appendix A-Course Designators for Core and Distribution Requirements

One or more of the following codes appear at the end of each course description indicating applicability of the course to the associate in arts and sciences degree program. The course designators associated with each course are in parentheses following the course number.

Course designators : Composition communication skills (CC), oral communication skills (OC), quantitative skills / symbolic reasoning skills (QSR),
humanities distribution (H), social/behavioral science distribution (SS), math/science distribution (MS), listed elective (LE), unlisted elective (UE), lab (l), performance (p), Not applicable to associate degrees (N)

Note: MATH, CS, SD and some ENGR classes are not considered physical/biological sciences (as indicated in the list) for AAS-DTA.

Communication skills – Courses designated "CC" or "OC"

CMST& 101 (OC)
CMST& 102 (OC)
CMST& 210 (OC)
CMST& 220 (OC)
CMST& 230 (OC)
CMST 245 (OC)
CMST 295 (OC)
ENGL& 101 (CC)
ENGL 201 (CC)
ENGL 202 (CC)
ENGL& 230 (CC)
ENGL& 235 (CC)
ENGL 295 (CC)

Quantitative/symbolic reasoning – Courses designated "QSR"

MATH& 107 (Q,SR,MS)
MATH 133 (Q,SR,MS)
MATH& 141 (Q,SR,MS)
MATH& 142 (Q,SR,MS)
MATH 145 (Q,SR,MS)
MATH& 146 (Q,SR,MS)
MATH& 148 (Q,SR,MS)
MATH& 151 (Q,SR,MS)
MATH& 152 (Q,SR,MS)
MATH& 163 (Q,SR,MS)
MATH 204 (SR,Q,MS)
MATH 208 (Q,SR,MS)
MATH 238 (Q,SR,MS)
MATH 246 (Q,SR,MS)
MATH& 264 (Q,SR,MS)
MATH 295 (Q,SR,MS)
PHIL& 117 (Q,SR)

Distribution courses designated humanities (H),math/science (MS),social science (SS),and listed electives (LE)

ACCT& 201 (LE)
ACCT& 202 (LE)
ACCT& 203 (LE)
ANTH& 100 (SS,g,s)
ANTH& 104 (SS,g)
ANTH 140 (SS,g)
ANTH 150 (SS,d)
ANTH& 200 (SS,w)
ANTH& 204 (SS,s)
ANTH& 205 (MS,s)
ANTH& 206 (SS,w,d,g,s)
ANTH& 210 (SS,d,s)
ANTH& 215 (MS,s,l)
ANTH& 216 (SS,d,s)
ANTH 225 (SS,w,d,g)
ANTH& 235 (SS,g)
ANTH 250 (SS,w,d)
ANTH 295 (MS)
ANTH 295 (SS)
ART& 100 (H,w)
ART 106 (H,d)
ART 107 (H,w,d,g)
ART 112 (H,p)
ART 114 (H,w,g)
ART 115 (H,p)
ART 116 (H,p)
ART 118 (H,p)
ART 123 (LE)
ART 130 (H,p)
ART 131 (H,p)
ART 134 (H,p)
ART 150 (H,w,g)
ART 155 (LE)

ART 160 (H,p)
ART 175 (H,p)
ART 176 (H,p)
ART 179 (H,p)
ART 185 (H,p)
ART 186 (H,p)
ART 187 (H,p)
ART 200 (LE)
ART 201 (LE)
ART 202 (LE)
ART 203 (H,w,g)
ART 204 (H,w,g)
ART 205 (H,w,g)
ART 206 (H,g)
ART 212 (LE)
ART 215 (H,w,g)
ART 221 (H,p)
ART 222 (LE)
ART 223 (LE)
ART 230 (LE)
ART 231 (LE)
ART 276 (H,p)
ART 295 (H)
ASL& 121 (H,d)
ASL& 122 (H,d)
ASL& 123 (H,d)
ASTR& 100 (MS)
ASTR 295 (MS)
BIOL& 100 (MS,l,w)
BIOL 104 (MS,l)
BIOL 133 (MS,g)
BIOL 159 (MS,s,l)
BIOL& 160 (MS,l,w)
BIOL& 175 (MS,l)
BIOL& 221 (MS,w,l)
BIOL& 222 (MS,w,l)
BIOL& 223 (MS,w,l)
BIOL& 241 (MS,l)
BIOL& 242 (MS,l)
BIOL& 260 (MS,l)
BIOL 295 (MS)
BUS& 101 (SS)
BUS& 201 (SS)
BUS 295 (SS)
CHEM 104 (MS,l)
CHEM& 110 (MS,l)
CHEM& 121 (MS,l)
CHEM& 131 (MS,l)
CHEM& 161 (MS,l)
CHEM& 162 (MS,l)
CHEM& 163 (MS,l)
CHEM& 261 (MS,l)
CHEM& 262 (MS,l)
CHEM& 263 (MS,l)
CHEM 295 (MS)
CHIN& 121 (H,g)
CHIN& 122 (H,g)
CHIN& 123 (H,g)
CJ& 101 (SS,w,d)
CJ& 110 (LE,w,d)
CJ& 240 (LE,w,d)
CJ 295 (SS)
CMST 205 (SS,w,d)
CMST 225 (H,SS,w,g,s)
CMST 250 (H,SS,w,d)
CMST 295 (H)
CS 101 (LE)
CS& 141 (MS)
CS 145 (MS)
CS 240 (MS)
CS 295 (MS)
DANCE 101 (LE)
DANCE 102 (LE)
DANCE 103 (LE)
DANCE 111 (LE)
DANCE 112 (LE)
DANCE 121 (H,g)
DANCE 130 (H,p)
DRMA& 101 (H,d,g)
DRMA 110 (LE)
DRMA 120 (LE)
DRMA 125 (H,p)
DRMA 126 (LE)
DRMA 127 (LE,d)
DRMA 140 (LE)
DRMA 295 (H)
ECED& 105 (SS)
ECON 100 (SS)
ECON 110 (SS,g,s)
ECON& 201 (SS)
ECON& 202 (SS,g)
ECON 203 (SS)
ECON 205 (SS,w,g)
ECON 210 (SS,w)
ECON 225 (SS)
ECON 260 (SS,g,s)
ECON 295 (SS)
EDUC& 115 (LE,d)
EDUC 190 (LE)
EDUC& 202 (SS)
EDUC& 204 (LE)
ENGL& 111 (H,w,g)
ENGL& 113 (H,w,d,g)
ENGL 124 (H,w,d,g,s)
ENGL 136 (H,w)
ENGL 141 (H,w,g)
ENGL 142 (H,w,g)
ENGL 150 (H,w,g)
ENGL 161 (H,w,d)
ENGL 169 (H,w,d)
ENGL 194 (H,w)
ENGL 225 (H,w,d)
ENGL 226 (H,w,d)
ENGL& 236 (H,w)
ENGL& 237 (H,w)
ENGL 238 (H,w,d)
ENGL 258 (H,w,g)
ENGL 267 (H,w,d)
ENGL 268 (H,w)
ENGL 282 (H,w,g)
ENGL 286 (H,w,g)
ENGL 295 (H)
ENGR (Non-Physical/Biological Science courses)
ENGR& 114 (MS)
ENGR 202 (MS)
ENGR& 214 (MS)
ENGR& 215 (MS)
ENGR& 225 (MS)
ENGR 240 (MS)
ENGR 251 (LE)

ENGR
(Physical/Biological Science courses)
ENGR 101 (MS,PB,l)
ENGR 151 (MS,PB,l)
ENGR 201 (MS,PB,l)
ENGR& 204 (MS,PB,l)
ENGR& 224 (MS,PB,s)
ENVS& 100 (MS,w,s)
ENVS& 101 (MS,s,l)
ENVS 295 (MS)
FILM 101 (H,w)
FILM 130 (H,g)
FILM 210 (H,w)
FILM 220 (H,w)
FILM 240 (H,w)
FILM 260 (H,w,d)
FILM 264 (H,w,d,g)
FILM 265 (H,w,d)
FILM 280 (H,w,g)
FILM 294 (H,w)
FILM 295 (H)
FRCH 105 (LE)
FRCH& 121 (H,g)
FRCH& 122 (H,g)
FRCH& 123 (H,g)
FRCH& 221 (H,g)
FRCH& 222 (H,g)
FRCH& 223 (H,g)
FRCH 295 (H)
GEOG& 100 (SS,g,s)
GEOG& 102 (SS,g,s)
GEOG 110 (SS,g,s)
GEOG& 200 (SS,g,s)
GEOG 243 (SS,g)
GEOG& 250 (SS,w,d,s)
GEOG 295 (SS)
GEOL 100 (MS,l)
GEOL& 101 (MS,l)
GEOL 104 (MS,l)
GEOL 110 (MS,g,s)
GEOL 140 (MS,g,s,l)
GEOL 150 (MS,l)
GEOL 211 (MS,l)
GEOL 212 (MS,w,l)
GEOL 295 (MS)
GERM 104 (H,g)
GERM& 121 (H,g)
GERM& 122 (H,g)
GERM& 123 (H,g)
GERM 295 (H)
HIST& 116 (SS,g)
HIST& 117 (SS,g)
HIST& 118 (SS,g)
HIST 120 (SS,w,g)
HIST 124 (SS,w,s)
HIST& 126 (SS,g)
HIST& 127 (SS,g)
HIST& 128 (SS,g)
HIST& 146 (SS,d)
HIST& 147 (SS,d)
HIST& 148 (SS,d)
HIST 158 (SS,g)
HIST 204 (SS,g)
HIST 205 (SS,g)
HIST 208 (SS,g)
HIST 210 (SS)
HIST 212 (SS,g)
HIST 213 (SS,g)
HIST& 214 (SS,d)
HIST& 215 (SS,w,d)
HIST& 219 (SS,d)
HIST 220 (SS,g)
HIST 225 (SS,g)
HIST 230 (SS,g)
HIST 233 (SS,g)
HIST 240 (SS,w,g)
HIST 250 (SS,d)
HIST 295 (SS)
HIST 299 (SS)
HLTH 131 (LE)
HLTH 240 (LE)
HUM& 101 (H,w,d,g)
HUM 106 (H,w,d,g)
HUM 130 (H,g)
HUM 131 (H,g)
HUM 132 (H,g)
HUM 133 (H,g)
HUM 134 (H,g)
HUM 135 (H,g)
HUM 137 (LE,g)
HUM 170 (H,w,g)
HUM 220 (H,w,g)
HUM 260 (H,w,d)
HUM 270 (H,w,g)
HUM 295 (H)
IDS 112 (SS,w,d,g)
IDS 113 (SS)
IDS 123 (H)
IDS 140 (H,g,p)
IDS 150 (LE,g)
IDS 152 (H,SS,w,d,g)
IDS 161 (H,SS,MS,w,d)
IDS 170 (SS,w,g,s)
IDS 180 (SS,H,w,g)
IDS 210 (SS,MS,w,g,s)
IDS 295 (SS,H)
JAPN 104 (H,g)
JAPN& 121 (H,g)
JAPN& 122 (H,g)
JAPN& 123 (H,g)
JAPN 151 (LE,g)
JAPN 295 (H)
JOURN 210 (LE,w)
JOURN 211 (LE,w)
LIBR 201 (LE)
MATH& 107 (Q,SR,MS)
MATH 121 (MS,s)
MATH 132 (MS)
MATH 133 (Q,SR,MS)
MATH& 141 (Q,SR,MS)
MATH& 142 (Q,SR,MS)
MATH 145 (Q,SR,MS)
MATH& 146 (Q,SR,MS)
MATH& 148 (Q,SR,MS)
MATH& 151 (Q,SR,MS)
MATH& 152 (Q,SR,MS)
MATH& 163 (Q,SR,MS)
MATH 175 (MS)
MATH 204 (SR,Q,MS)
MATH 207 (LE)
MATH 208 (Q,SR,MS)

MATH 238 (Q,SR,MS)
MATH 246 (Q,SR,MS)
MATH& 264 (Q,SR,MS)
MATH 295 (Q,SR,MS)
MUSC& 105 (H,g)
MUSC 110 (H,g)
MUSC 115 (H,d)
MUSC 120 (H,d)
MUSC 125 (H,g)
MUSC& 141 (H)
MUSC& 142 (H)
MUSC& 143 (H)
MUSC 150 (LE,p)
MUSC 156 (LE,p)
MUSC 160 (LE)
MUSC 161 (LE)
MUSC 162 (LE)
MUSC 163 (LE)
MUSC 165 (LE)
MUSC 171 (LE)
MUSC 172 (LE)
MUSC 174 (LE)
MUSC 175 (LE)
MUSC 184 (LE)
MUSC 186 (LE)
MUSC 205 (H,w,d,g)
MUSC& 241 (H)
MUSC& 242 (H)
MUSC& 243 (H)
MUSC 250 (LE,p)
MUSC 265 (LE)
MUSC 295 (H)
NUTR& 101 (MS)
NUTR 114 (MS)
NUTR 115 (MS)
NUTR 116 (MS)
NUTR 117 (MS)
NUTR 214 (MS)
OCEA& 101 (MS,l)
PE (non-activity courses)
PE 133 (LE)
PE 181 (LE)
PE (activity courses)
PE 102 (LE)
PE 103 (LE)
PE 104 (LE)
PE 105 (LE)
PE 106 (LE)
PE 108 (LE)
PE 109 (LE)
PE 123 (LE)
PE 126 (LE)
PE 135 (LE)
PE 136 (LE)
PE 138 (LE)
PE 139 (LE)
PE 141 (LE)
PE 146 (LE)
PE 153 (LE)
PE 157 (LE)
PE 158 (LE)
PE 161 (LE)
PE 170 (LE)
PE 202 (LE)
PE 203 (LE)
PE 206 (LE)
PE 223 (LE)
PE 241 (LE)
PE 246 (LE)
PE 261 (LE)
PE 269 (LE)
PE 270 (LE)
PE 271 (LE)
PHIL& 101 (H,g)
PHIL& 115 (H)
PHIL 118 (H)
PHIL 119 (H)
PHIL 130 (H)
PHIL 132 (H,d,g,s)
PHIL 140 (H,w,d,g)
PHIL 200 (H)
PHIL 214 (H)
PHIL 215 (H)
PHIL 216 (H)
PHIL 295 (H)
PHYS 109 (MS,s,l)
PHYS& 110 (MS,l)
PHYS 112 (MS,g,s,l)
PHYS& 114 (MS,l)
PHYS& 115 (MS,l)
PHYS& 116 (MS,l)
PHYS& 221 (MS,l)
PHYS& 222 (MS,l)
PHYS& 223 (MS,l)
PHYS 295 (MS)
PHYSC 104 (MS,l)
PHYSC 295 (MS)
POLS& 101 (SS)
POLS& 201 (SS,g)
POLS& 202 (SS)
POLS& 203 (SS,g)
POLS& 204 (SS,g)
POLS 295 (SS)
PSYC& 100 (SS)
PSYC 114 (SS)
PSYC 115 (SS)
PSYC 116 (SS)
PSYC 165 (SS,g)
PSYC& 180 (SS,w,d)
PSYC& 200 (SS,w)
PSYC 209 (SS)
PSYC 210 (SS)
PSYC 211 (SS,w)
PSYC 214 (SS)
PSYC 215 (SS)
PSYC& 220 (SS,d)
PSYC 225 (SS,w)
PSYC 240 (SS,g,s)
PSYC 250 (SS)
PSYC 265 (SS,g)
PSYC 270 (SS)
PSYC 295 (SS)
SALI 201 (SS,d,g,s)
SOC& 101 (SS,d)
SOC 120 (SS,d)
SOC& 201 (SS,d)
SOC 210 (SS,g)
SOC 220 (SS,d)
SOC 250 (SS,d)
SOC 295 (SS)
SPAN& 121 (H,g)
SPAN& 122 (H,g)

SPAN& 123 (H,g)
SPAN& 221 (H,g)
SPAN& 222 (H,g)
SPAN& 223 (H,g)
SPAN 295 (H)

Diversity – Courses designated "d"

ANTH 150 (SS,d)
ANTH& 206 (SS,w,d,g,s)
ANTH& 210 (SS,d,s)
ANTH& 216 (SS,d,s)
ANTH 225 (SS,w,d,g)
ANTH 250 (SS,w,d)
ART 106 (H,d)
ART 107 (H,w,d,g)
ASL& 121 (H,d)
ASL& 122 (H,d)
ASL& 123 (H,d)
BUS 230 (UE,d)
BUS 231 (UE,d)
CJ& 101 (SS,w,d)
CJ 109 (UE,w,d,g)
CJ & 110 (LE,w,d)
CJ 235 (UE,w,d)
CJ& 240 (LE,w,d)
CJ 245 (UE,w,d)
CJ 250 (UE,w,d)
CJ 275 (UE,w,d)
CMST 205 (SS,w,d)
CMST 250 (H,SS,w,d)
CTWOC 201 (UE,d)
DRMA& 101 (H,d,g)
DRMA 127 (LE,d)
EDUC& 115 (LE,d)
EDUC& 150 (UE,d)
ENGL& 113 (H,w,d,g)
ENGL 124 (H,w,d,g,s)
ENGL 161 (H,w,d)
ENGL 169 (H,w,d)
ENGL 174 (UE,w,d)
ENGL 225 (H,w,d)
ENGL 226 (H,w,d)
ENGL 238 (H,w,d)
ENGL 267 (H,w,d)
FILM 260 (H,w,d)
FILM 264 (H,w,d,g)
FILM 265 (H,w,d)
GEOG& 250 (SS,w,d,s)
HIST& 146 (SS,d)
HIST& 147 (SS,d)
HIST& 148 (SS,d)
HIST& 214 (SS,d)
HIST& 215 (SS,w,d)
HIST& 219 (SS,d)
HIST 250 (SS,d)
HLTH 118 (UE,d)
HLTH 119 (UE,d)
HLTH 140 (UE,d)
HUM& 101(H,w,d,g)
HUM 106 (H,w,d,g)
HUM 260 (H,w,d)
HUMDV 135 (UE,d)
IDS 112 (SS,w,d,g)
IDS 152 (H,SS,w,d,g)
IDS 161 (H,SS,MS,w,d)
MUSC 115 (H,d)
MUSC 120 (H,d)
MUSC 205 (H,w,d,g)
PARED 103 (UE,d)
PHIL 132 (H,d,g,s)
PHIL 140 (H,w,d,g)
PSYC& 180 (SS,w,d)
PSYC& 220 (SS,d)
SALI 201 (SS,d,g,s)
SOC& 101 (SS,d)
SOC 120 (SS,d)
SOC& 201 (SS,d)
SOC 220 (SS,d)
SOC 250 (SS,d)

Global – Courses designated "g"

ANTH& 100 (SS,g,s)
ANTH& 104 (SS,g)
ANTH 140 (SS,g)
ANTH& 206 (SS,w,d,g,s)
ANTH 225 (SS,w,d,g)
ANTH& 235 (SS,g)
ART 107 (H,w,d,g)
ART 114 (H,w,g)
ART 150 (H,w,g)
ART 203 (H,w,g)
ART 204 (H,w,g)
ART 205 (H,w,g)
ART 206 (H,g)
ART 215 (H,w,g)
BIOL 133 (MS,g)
CHIN& 121 (H,g)
CHIN& 122 (H,g)
CHIN& 123 (H,g)
CJ 109 (UE,w,d,g)
CMST 225 (H,SS,w,g,s)
DANCE 121 (H,g)
DRMA& 101 (H,d,g)
ECON 110 (SS,g,s)
ECON& 202 (SS,g)
ECON 205 (SS,w,g)
ECON 260 (SS,g,s)
ENGL& 111 (H,w,g)
ENGL& 113 (H,w,d,g)
ENGL 124 (H,w,d,g,s)
ENGL 141 (H,w,g)
ENGL 142 (H,w,g)
ENGL 150 (H,w,g)
ENGL 258 (H,w,g)
ENGL 282 (H,w,g)
ENGL 286 (H,w,g)
FILM 130 (H,g)
FILM 264 (H,w,d,g)
FILM 280 (H,w,g)
FRCH& 121 (H,g)

FRCH& 122 (H,g)
FRCH& 123 (H,g)
FRCH& 221 (H,g)
FRCH& 222 (H,g)
FRCH& 223 (H,g)
GEOG& 100 (SS,g,s)
GEOG& 102 (SS,g,s)
GEOG 110 (SS,g,s)
GEOG& 200 (SS,g,s)
GEOG 243 (SS,g)
GEOL 110 (MS,g,s)
GEOL 140 (MS,g,s,l)
GERM 104 (H,g)
GERM& 121 (H,g)
GERM& 122 (H,g)
GERM& 123 (H,g)
HIST& 116 (SS,g)
HIST& 117 (SS,g)
HIST& 118 (SS,g)
HIST 120 (SS,w,g)
HIST& 126 (SS,g)
HIST& 127 (SS,g)
HIST& 128 (SS,g)
HIST 158 (SS,g)
HIST 204 (SS,g)
HIST 205 (SS,g)
HIST 208 (SS,g)
HIST 212 (SS,g)
HIST 213 (SS,g)
HIST 220 (SS,g)
HIST 225 (SS,g)
HIST 230 (SS,g)
HIST 233 (SS,g)
HIST 240 (SS,w,g)
HUM& 101 (H,w,d,g)
HUM 106 (H,w,d,g)
HUM 130 (H,g)
HUM 131 (H,g)
HUM 132 (H,g)
HUM 133 (H,g)
HUM 134 (H,g)
HUM 135 (H,g)
HUM 137 (LE,g)
HUM 170 (H,w,g)
HUM 220 (H,w,g)
HUM 270 (H,w,g)
IDS 112 (SS,w,d,g)
IDS 140 (H,g,p)
IDS 150 (LE,g)
IDS 152 (H,SS,w,d,g)
IDS 170 (SS,w,g,s)
IDS 180 (SS,H,w,g)
IDS 210 (SS,MS,w,g,s)
JAPN 104 (H,g)
JAPN& 121 (H,g)
JAPN& 122 (H,g)
JAPN& 123 (H,g)
JAPN 151 (LE,g)
MUSC& 105 (H,g)
MUSC 110 (H,g)
MUSC 125 (H,g)
MUSC 205 (H,w,d,g)
PHIL& 101 (H,g)
PHIL 132 (H,d,g,s)
PHIL 140 (H,w,d,g)
PHYS 112 (MS,g,s,l)
POLS& 201 (SS,g)
POLS& 203 (SS,g)
POLS& 204 (SS,g)
PSYC 165 (SS,g)
PSYC 240 (SS,g,s)
PSYC 265 (SS,g)
SALI 201 (SS,d,g,s)
SOC 210 (SS,g)
SPAN& 121 (H,g)
SPAN& 122 (H,g)
SPAN& 123 (H,g)
SPAN& 221 (H,g)
SPAN& 222 (H,g)
SPAN& 223 (H,g)

Sustainability – Courses designated "s"

ANTH& 100 (SS,g,s)
ANTH& 204 (SS,s)
ANTH& 205 (MS,s)
ANTH& 206 (SS,w,d,g,s)
ANTH& 210 (SS,d,s)
ANTH& 215 (MS,s,l)
HIST 124 (SS,w,s)
IDS 170 (SS,w,g,s)
IDS 210 (SS,MS,w,g,s)
ANTH& 216 (SS,d,s)
BIOL 159 (MS,s,l)
CIS 100 (UE,s)
CMST 225 (H,SS,w,g,s)
ECON 110 (SS,g,s)
ECON 260 (SS,g,s)
OFFAD 154 (UE,s)
OFFAD 280 (UE,s)
OFFAD 281 (UE,s)
ENGL 124 (H,w,d,g,s)
ENGR& 224 (MS,s)
ENVS& 100 (MS,w,s)
ENVS& 101 (MS,s,l)
ENVS 190 (UE,s)
GEOG& 100 (SS,g,s)
OFFAD 282 (UE,s)
PHIL 132 (H,d,g,s)
PHYS 109 (MS,s,l)
GEOG& 102 (SS,g,s)
GEOG 110 (SS,g,s)
GEOG& 200 (SS,g,s)
GEOG& 250 (SS,w,d,s)
GEOL 110 (MS,g,s)
GEOL 140 (MS,g,s,l)
PHYS 112 (MS,g,s,l)
PSYC 240 (SS,g,s)
SALI 201 (SS,d,g,s)

Writing intensive – Courses designated "w"

ANTH& 200 (SS,w)
ANTH& 206 (SS,w,d,g,s)
ANTH 225 (SS,w,d,g)
ANTH 250 (SS,w,d)
ART& 100 (H,w)
ART 107 (H,w,d,g)
ART 114 (H,w,g)
ART 150 (H,w,g)
ART 203 (H,w,g)
ART 204 (H,w,g)
ART 205 (H,w,g)
ART 215 (H,w,g)
BIOL& 100 (MS,l,w)
BIOL& 160 (MS,l,w)
BIOL& 221 (MS,w,l)
BIOL& 222 (MS,w,l)
BIOL& 223 (MS,w,l)
BUS 140 (UE,w)
CJ& 101 (SS,w)
CMST 205 (SS,w,d)
CMST 225 (H,SS,w,g,s)
CMST 250 (H,SS,w,d)
ECON 205 (SS,w,g)
ECON 210 (SS,w)
ENGL& 111 (H,w,g)
ENGL& 113 (H,w,d,g)
ENGL 124 (H,w,d,g,s)
ENGL 136 (H,w)
ENGL 141 (H,w,g)
ENGL 142 (H,w,g)
ENGL 150 (H,w,g)
ENGL 161 (H,w,d)
ENGL 169 (H,w,d)
ENGL 174 (UE,w,d)
ENGL 194 (H,w)
ENGL 225 (H,w,d)
ENGL 226 (H,w,d)
ENGL& 236 (H,w)
ENGL& 237 (H,w)
ENGL 238 (H,w,d)
ENGL 258 (H,w,g)
ENGL 267 (H,w,d)
ENGL 268 (H,w)
ENGL 282 (H,w,g)
ENGL 286 (H,w,g)
ENVS& 100 (MS,w,s)
FILM 101 (H,w)
FILM 210 (H,w)
FILM 220 (H,w)
FILM 240 (H,w)
FILM 260 (H,w,d)
FILM 265 (H,w,d)
FILM 280 (H,w,g)
FILM 294 (H,w)
GEOG& 250 (SS,w,d,s)
GEOL 212 (MS,w,l)
HIST 120 (SS,w,g)
HIST 124 (SS,w,s)
HIST& 215 (SS,w,d)
HIST 240 (SS,w,g)
HUM& 101 (H,w,d,g)
HUM 106 (H,w,d,g)
HUM 170 (H,w,g)
HUM 220 (H,w,g)
HUM 260 (H,w,d)
HUM 270 (H,w,g)
IDS 112 (SS,w,d,g)
IDS 152 (H,SS,w,d,g)
IDS 161 (H,SS,MS,w,d)
IDS 170 (SS,w,g,s)
IDS 180 (SS,H,w,g)
IDS 210 (SS,MS,w,g,s)
JOURN 210 (LE,w)
JOURN 211 (LE,w)
MUSC 205 (H,w,d,g)
PHIL 140 (H,w,d,g)
PSYC& 180 (SS,w,d)
PSYC& 200 (SS,w)
PSYC 211 (SS,w)
PSYC 225 (SS,w)

Appendix B-Computation (CP) Courses for Professional-Technical Programs

ACCT 100 (UE)
ACCT& 201 (LE)
BUS 100 (UE)
CHEM& 121 (MSl)
CHEM& 161 (MSl)
CHEM& 162 (MSl)
CHEM& 163 (MSl)
CS& 141 (MS)
CS 145 (MS)
CS 240 (MS)
ENGR& 214 (MS)
ENGR& 215 (MS)
ENGR& 225 (MS)
ENGR 240 (MS)
IDS 112 (SSwdg)
IDS 113 (SS)
MATH& 107 (QSR,MS)
MATH 121 (MSs)
MATH& 141 (QSR,MS)
MATH& 142 (QSR,MS)
MATH 145 (QSR,MS)
MATH& 146 (QSR,MS)
MATH& 148 (QSR,MS)
MATH& 151 (QSR,MS)
MATH& 152 (QSR,MS)
MATH& 163 (QSR,MS)
MATH 175 (MS)
MATH 204 (QSR,MS)
MATH 207 (LE)
MATH 208 (QSR,MS)
MATH 238 (QSR,MS)
MATH& 264 (QSR,MS)
PHIL& 117 (QSR)
PHYS& 114 (MSl)
PHYS& 115 (MSl)
PHYS& 116 (MSl)
PHYS& 221 (MSl)
PHYS& 222 (MSl)
PHYS& 223 (MSL)

Whatcom COMMUNITY COLLEGE

Campus Information

Campus Information 360.383.3000 Campus Security 360.383.3446

Campus Buildings

★ indicates All Gender Restroom location

Auxiliary Services Building	★	ASB
Baker Hall		BKR
Cascade Hall	★	CAS
Cedar Hall		CDR
Foundation Building		FND
Health Professions Education Center	★	HPC
Heiner Center|Orca Central	★	HNR
Kelly Hall		KLY
Kulshan Hall		KUL
Laidlaw Center	★	LDC
Pavilion|Student Rec Center	★	PAV
Phyllis & Charles Self Learning Commons	★	LRN
Roe Studio		ROE
Syre Student Center		SSC

Popular Destinations

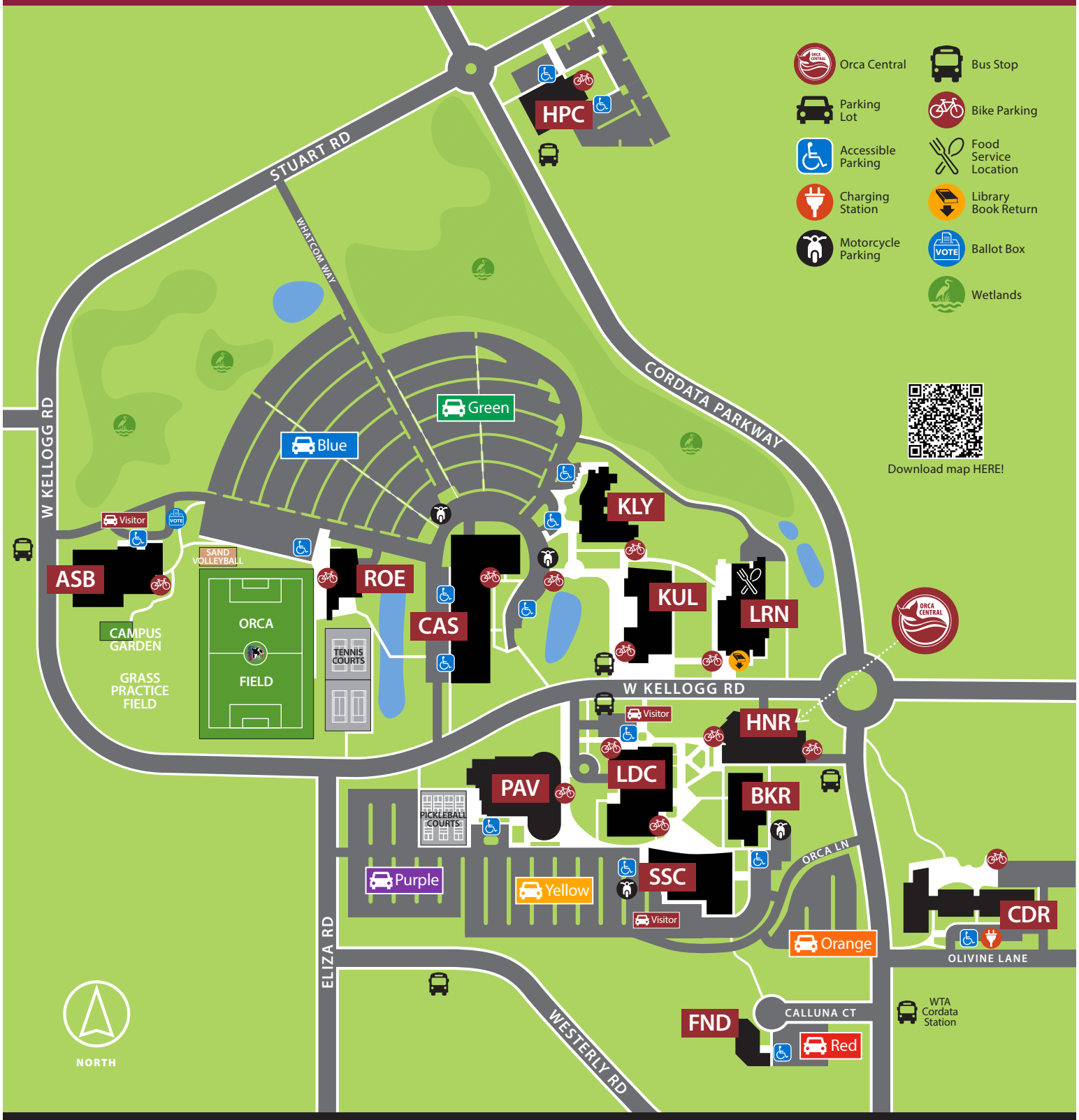
Advising|Orca Central	HNR
Access & Disability Services	LDC
Entry & Enrollment Services|Orca Central	HNR
Athletics & Recreation (Gym)	PAV
Bookstore	SSC
Cashier|Business Office	LDC
Community & Continuing Education	FND
Conference & Event Services	FND
Copy, Print, & Mailing Services	ASB
Counseling Services	LDC
Cybersecurity Center	BKR
Facilities & Operations	ASB
Financial Aid|Orca Central	HNR
Food Pantry	SSC
Heiner Theater	HNR
Human Resources	LDC
Intercultural Center	SSC
International Programs	SSC
Lactation Room	LDC
Library	LRN
Math, Media, & Writing Centers	LRN
Orca Central (Student Services & Support Center)	HNR
President's Office	LDC
Running Start	HNR
Safety & Security	LDC
Student Government	SSC
Student Life & Development	SSC
Student Recreation Center	PAV
Syre Auditorium	SSC
Technology Helpdesk	LRN
Testing Services	LRN
The Cove (eatery)	LRN
Transitional Learning	HNR
TRiO & Upward Bound|Orca Central	HNR
Tutoring Services	LRN
Veterans Services	LDC
WCC Foundation Office	FND

Campus Address: 237 West Kellogg Road, Bellingham WA 98226

Whatcom COMMUNITY COLLEGE

Campus Information

Campus Information 360.383.3000 **Campus Security 360.383.3446**



Campus Address: 237 West Kellogg Road, Bellingham WA 98226

9/13/22