University of Washington Bothell
General Catalog
Academic Year 2010-2011

Purpose

This catalog includes:

- Academic policies
- Program descriptions
- Requirements for all majors and minors.

*The information in this catalog is effective as of autumn quarter 2010.*

Student Obligation

It is the student’s obligation to be informed about the policies and standards contained in this catalog.

All efforts are taken to ensure catalog accuracy. However, the catalog is not an irrevocable contract between the student and the University. The University’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 University for those classes or programs.

In no event shall the University be liable for any special, indirect, incidental, or consequential damages, including but not limited to, loss of earnings or profits.

University's Right

Due to the rapidly evolving programs and policies at the University, UW Bothell reserves the right to modify course and program offerings, University policies, and other information at any time, without prior notification.
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I. About the University

Campus History

The story begins in the mid-1980s when community, business, and education leaders recognized the increasing need for higher education in the rapidly growing Puget Sound region. In its 1987 Master Plan, the Washington State Higher Education Coordinating Board gave the University of Washington the responsibility of developing branch campuses. In 1990, the University of Washington Bothell was created to meet that need in the northeast Puget Sound area.

For 10 years, UW Bothell was located in a small business park. In 2000 we moved to our current location on 128 acres of picturesque land that was once home to cattle and dairy farming on the Boone- Truly ranch.

The University of Washington Bothell has grown into a unique and beautiful campus. Buildings are situated between towering Douglas fir and Western Red Cedar trees. The facilities house state-of-the-art technology to assist faculty and staff. The northeast portion of the campus contains 58 acres of high-functioning wetland.

Today the University of Washington Bothell has more than 2,200 students and is growing significantly every year. Seven academic programs offer 12 degrees and certificates at the undergraduate, post-baccalaureate and graduate levels. The programs are designed to serve a diverse population of students who have just completed high school, who have completed some college study and are seeking to complete their baccalaureate degrees, initiate post-baccalaureate studies, or pursue courses for personal development.

The University of Washington Bothell is accredited as a unit of the University of Washington by the Northwest Association of Schools and Universities. In accordance with the traditions of the University of Washington, we are dedicated to providing responsive, accessible programs that proudly uphold traditional University of Washington standards of quality.
Welcome from the Chancellor

Greetings,

Welcome to the University of Washington Bothell.

UW Bothell offers you a unique, interdisciplinary, and student-centered approach to a college education. With the underlying quality of the world class University of Washington experience and renowned faculty, the UW Bothell campus focuses on intimate learning environments that start with direct contact with your professors and small classes. Your educational journey is tailored to meet the changing needs of the work place and community, as well as to provide you with the tools to translate knowledge into action and to enrich your life.

This catalog provides you with information about our academic programs and services designed to support your success. It is a treasure of information about your campus. I hope you will refer to it often.

We all look forward to working with you.

Best wishes for an extraordinary adventure,

Kenyon S. Chan
Chancellor

Welcome from the President

The University of Washington Bothell opened its doors in 1990 with 13 faculty members teaching in leased office space. Today, around 2600 students study innovative, cutting-edge curricula on a breathtaking campus shared with Cascadia Community College. UW Bothell’s mission, then and now, is to help meet rising demand for higher education and especially to serve students in the north Puget Sound region.

After 20 years, the success of this educational venture, is well established and is a source of a great pride to the University of Washington. UW Bothell combines the resources of a world-class research university with the advantages of a dynamic, close-knit academic community. UW Bothell faculty and staff have built unique, interdisciplinary programs that put students at the center of the learning experience and prepare them to enter fields vital to our region’s economy and well-being. We all look forward to UW Bothell's continued growth and development

Phyllis M. Wise
Interim President
II. Admission

Freshman

A freshman applicant is one who has not attempted college course work after high school, excluding the summer following high school graduation. This classification includes participants in the Washington State Running Start Program as long as they do not enroll in addition college courses after graduating from high school and before enrolling at University of Washington Bothell.

Admission Policy

The University of Washington Bothell seeks students who can benefit from its wealth of academic and cultural opportunities and will contribute to the campus environment. Choosing students from an academically talented group of applicants requires a selection process that looks beyond grades and standardized tests.

While grades and standardized tests are important, they tell only part of an applicant's story. UW Bothell uses a holistic application review process to identify well-rounded and highly qualified applicants by learning more about each student's story. In addition to grade-point average (GPA) and test scores, the University takes into account many aspects of an applicant's achievements and personal history. Factors considered include rigor of curriculum; grades and test scores; activities or accomplishments; educational goals; life experiences, such as growing up in an unusual or disadvantaged environment; family educational background and socioeconomic status; special talents; and cultural awareness. The list is not exhaustive, and the factors are not of equal weight; moreover, no single factor is sufficient to confer admission.

How to Apply

Students must apply online at http://www.uwb.edu/admissions.

Applicants must have a minimum of a 2.0 cumulative GPA; submit official SAT (with Writing section) or ACT (with Writing section) scores and the completed application with the nonrefundable $60 application fee ($75 for international students) in order to receive admission consideration. Official high school transcripts are required at the time of application for students that do not complete the online coursework grid within the application, have been educated outside the United States, have already graduated from high school, or have been homeschooled. If college coursework has been completed by the time of application, one official transcript from each college is required.

College Academic Distribution Requirements (CADR's)

To ensure that students entering UW Bothell are adequately prepared to succeed in college, all freshman and transfer applicants are required to complete a minimum level of preparation in six subject areas through high school or college coursework prior to entering the University.

A passing grade must be received in all core subject requirements. This includes a Pass in a course taken on a Pass/Not Pass basis.

English Composition/Literature: 4 Years

If taken in high school:

Four years of study are required, at least three of which must be in college-preparatory composition or literature.

- One of the four years may be satisfied by courses in drama as literature, public speaking, debate, journalistic writing, business English, or English as a Second Language (ESL).
- Courses that are generally not acceptable include those identified as remedial or applied (e.g., acting, basic English skills, developmental reading, library, newspaper staff, remedial English, review English, vocabulary, yearbook/annual).

NOTE: English courses taken in another country are considered equivalent to ESL unless taken in Australia, Canada, Ireland, New Zealand, the United Kingdom, or the United States.

- International Applicants: Four high school years of Composition and/or Literature
courses in the student’s native language or English from a native English speaking country will satisfy this requirement.

**If made up through college course work:**
College course work must be at the 100 level or higher. For the composition/literature component, generally any course with an English or Writing prefix is acceptable.

- One of the four years may be satisfied by a college course in speech, drama as literature, journalistic writing, business English, ESL, or engineering/technical writing.
- Courses such as developmental or speed reading, vocabulary, or remedial English are not acceptable.

NOTE: English courses are considered equivalent to ESL unless taken in Australia, Canada, Ireland, New Zealand, the United Kingdom, or the United States.

**Mathematics: 3 Years**

**If taken in high school:**
Three years of study are required, at least at the level of algebra, geometry, and second-year algebra.

- An algebra course completed in the last year of junior high school may partially satisfy the requirement if the second-year algebra is completed in secondary school.
- Arithmetic, pre-algebra, business math, and statistics will not count toward the requirement.

**If made up through college course work:**
If your high school preparation in mathematics was insufficient, you must complete one of the courses listed below:

- A course in intermediate algebra - At many community colleges in Washington, MATH 098 is the necessary course. The course must be completed with a grade of 'C' (2.0) or better, even though it does not transfer to the UW Bothell as college credit and the grade earned in the course is not used in computing the transfer GPA.
- MATH 104 (Trigonometry) or its equivalent - The course must be completed with a grade of 'C' (2.0) or better.
- MATH 107 (Mathematics: A Practical Art) or its equivalent - The course must be completed with a grade of 'C' (2.0) or better.
- Mathematics courses with intermediate algebra as a prerequisite (except philosophy and statistics courses) - This includes any higher-level math courses such as elementary functions, calculus, and beyond. NOTE: Courses in philosophy (e.g., logic), statistics, or computer science do NOT satisfy the mathematics requirement.

**Social Studies: 3 Years**

**If taken in high school:**
Three years of study are required in history or in any of the social sciences, e.g., anthropology, contemporary world problems, economics, geography, government, political science, psychology, sociology.

- Credit for religion courses, consumer economics, student government, or community service will not count towards the requirement.

**If made up through college course work:**
Courses in the social sciences - e.g., anthropology, economics, ethnic studies, history, philosophy, political science, psychology, sociology - will count toward the requirement.

**Science: 2 Years of lab-based science (effective Summer 2010)**

**If taken in high school:**
A minimum of two years of lab science is required. One of the two years must be in an algebra-based chemistry or physics course. The other year may be in any other lab science, such as biology.

**If made up through college course work:**
College level transferable science courses with a lab will count toward this requirement. At least one course must be completed in an algebra-based chemistry or physics course with a lab experience.
Foreign Language: 2 Years

If taken in high school:
Two years of study are required. The two years must be completed in the same language.

- The foreign language requirement will be considered satisfied for applicants who complete their education through the seventh grade in school(s) a) where English was not the language of instruction and b) in countries other than Australia, Canada, Ireland, New Zealand, the UK, and the United States.
- International applicants who entered the U.S. education system prior to the 8th grade must satisfy the foreign language requirement.
- Any natural language that has been formally studied may be used to satisfy this requirement, including American Sign Language (AMESLAN, the language of the deaf community), and languages no longer spoken, such as Latin and ancient Greek. However, neither computer 'languages' nor forms of deaf signing aside from AMESLAN are acceptable.
- A foreign language course taken in the eighth grade may satisfy one year of the requirement if the second-year course is completed in high school.

If made up through college course work:
For purposes of admission, each quarter of language in college is considered equivalent to one year in high school. Applicants who have never studied a foreign language will need to complete ten quarter credits of a single foreign language. However, an applicant who studied French for one year in high school needs to complete only the second 5 quarter credits (e.g., FREN 102) or the second 3 semester credits of a first-year language sequence. Of course, you may prefer to begin with 101 to refresh your memory.

Fine, Visual, or Performing Arts: 1/2 Year

If taken in high school:
One-half year or one trimester of study is required in the fine, visual, or performing arts, to be chosen from art appreciation, band, ceramics, choir, dance, dramatics performance and production, drawing, fiber arts, graphic arts, metal design, music appreciation, music theory, orchestra, painting, photography, print making, or sculpture. Courses generally not acceptable include architecture, color guard, creative writing, drafting, drill team, fashion design, foreign languages, interior design, sewing, speech, web design or graphics, woodworking, & yearbook.

If made up through college course work:
Two quarter credits (or 2 semester credits) chosen from any of the following subjects will satisfy the requirement:
- Art, art history, cinema/film making, dance, music, or photography;
- Any course in drama except drama as literature courses.
Courses in architecture are generally not acceptable, except for those in architectural history.

Electives in Core Subjects: 1/2 Year

If taken in high school:
One half year of study is required. Academic electives are courses in any of the six subject areas (defined above) beyond the minimum number of years specified above.

If made up through college course work:
Three quarter credits (2 semester credits) chosen from the six subject areas described above count toward this requirement.

In general, five quarter credits (or three semester credits) in a college-level course equal one year of high school study. If you completed a portion of the core requirements via high school course work, you can complete the balance of the requirement via college course work. A college course may be used to satisfy both an admission core requirement and a UW Bothell graduation requirement.

Grading Restrictions
In general, you must attain at minimum a passing grade (including 'D') to satisfy the College Academic Distribution Requirements. Also acceptable is a grade of 'Pass' in a course taken on a 'Pass/Not
Pass' basis. However, if you are completing CADR's through college course work you are strongly encouraged to choose a letter or numerical grade, because you may later want to apply the course(s) towards requirements for your major and/or University graduation requirements, for which grading restrictions pertain.

Applicants using a college course to satisfy the mathematics requirement must complete one of the courses listed below:

- A course in intermediate algebra - The course must be completed with a grade of 'C' (2.0) or better, even though it does not transfer to the UW as college credit and the grade earned in the course is not used in computing the Transfer GPA.
- MATH 104 (Trigonometry) or its equivalent - The course must be completed with a grade of 'C' (2.0) or better.
- MATH 107 (Mathematics: A Practical Art) or its equivalent - The course must be completed with a grade of 'C' (2.0) or better.
- Mathematics courses with intermediate algebra as a prerequisite (except statistics courses) - This includes any higher-level math courses such as elementary functions, calculus, and beyond.

**Advanced Placement and International Baccalaureate Credit**

UW Bothell will award college credit for students who receive the required minimum scores on Advanced Placement and International Baccalaureate exams. Minimum exam scores vary based upon subject area, please review the website for detailed information.

**Running Start, College in the High School, and Tech Prep**

UW Bothell will review credits earned through Running Start, College in the High School, and Tech Prep for transferability. An official transcript from the college must be submitted to UW Bothell before the credits can be considered.

**Homeschooled Students**

UW Bothell welcomes homeschooled students to apply for admission. Homeschooled students are expected to meet the College Academic Distribution Requirements (CADR's), submit official SAT or ACT test scores, and an official transcript documenting all coursework studied between grades 9 - 12.

Homeschooled applicants must present a homeschooled transcript that includes course titles of each subject studied, duration of study, a short description of content, and grade or assessment of performance. Preferably, courses completed at home would adhere to a nationally recognized homeschooled curriculum.

Homeschool course work must also be validated in the four CADR's listed below. (No testing is required for social studies or arts.) Homeschooled applicants must submit official test scores for validation.

**English Composition/Literature** - Covered by SAT or ACT with Writing

**Mathematics** - Covered by SAT or ACT with Writing

**Science** - Covered by ACT sub score. If using SAT for admission, further validation is required.* Only one exam in chemistry, biology or physics is required.

**Foreign Language** - Further validation required*.
* SAT Subject Tests, ACT sub scores, Advanced Placement exams, International Baccalaureate exams

Please note:

- UW Bothell cannot provide minimum required scores, as each homeschooled applicant presents a unique case. Each applicant is assessed holistically in the context of a comprehensive record.
- Core subjects completed at a local college or high school do not require further validation; however, official transcripts are required.

**AP, IB, College in the High School and Running Start**

UW Bothell encourages and recognizes students who complete advanced coursework in high school through AP, IB, College in the High School, Running Start or any other dual enrollment programs granting college credit.
College credit will be awarded to students who receive sufficient scores on the AP and IB exams. Minimum scores have been set for each subject area. Generally, a student must receive a minimum of a 4 on most AP exams, and a minimum of a 5 on IB exams. Please review the scoring charts at http://www.uwb.edu/students/prospective/freshmen/before_apply.xhtml.

Students participating in Running Start and/or College in the High School will receive a college transcript from the institution granting the credit. Official transcripts must be submitted to the Office of Admissions in order for the credit to be transferred to UW Bothell.

**International Freshman**

An international student is an applicant who is not a United States citizen or permanent resident and plans to attend a college, university, or other post-secondary education institution in the U.S. This includes applicants that hold U.S. visas as students, exchange visitors, or other nonimmigrant classifications.

International students who have not completed any college credit after completing secondary school should apply as a freshman.

**English Proficiency Requirement**

All international freshmen applicants must provide proof of English proficiency by providing scores that meet the University's minimum on one of the following exams:

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Minimum Scores for Admissions Consideration</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOEFL - internet based</td>
<td>92</td>
</tr>
<tr>
<td>TOEFL paper-based</td>
<td>580</td>
</tr>
<tr>
<td>International English Language Testing System (IELTS)</td>
<td>7</td>
</tr>
</tbody>
</table>

*TOEFL and IELTS scores are only valid for 2 years

**Alternative Options for English Proficiency Requirement**

The University of Washington Bothell has partnered with the University of Washington Seattle English Language Programs to offer a conditional admissions program for freshman pursuing an undergraduate degree at UW Bothell. This program is for students who do not meet the minimum English Proficiency requirement(s) for admission, but are otherwise admissible.

A minimum grade of 80 percent is required in each course and students must obtain a recommendation from the Director of the UW Seattle English Language Program. After successful completion of the UW Seattle Intensive English Program requirements, applicants do not have to submit TOEFL, IELTS, or other standardized test scores as proof of language proficiency to UW Bothell.

OR

Completion of a minimum of four years of high school English in the United States with grades of 3.0 or higher and a minimum SAT critical reading score of 500 or an ACT English score of 22.

**Exception:** Non-U.S. citizens whose primary and secondary education took place in Australia, Canada, Great Britain, Ireland, New Zealand, or the U.S. are exempt from this requirement. Students who were born in one of these countries but were educated elsewhere, will still be required to satisfy the English proficiency requirement.

**Transcripts**

The UW Bothell Office of Admissions provides the service of international credential evaluations. Upon request, applicants may be required to obtain a third party evaluation or translation from an approved agency. It is the responsibility of the applicant to arrange for the third party transcript evaluation, if required.

**Financial Statement**

Part of the application process requires all international students to submit a Declaration of Finances along with an official bank statement dated within 6 months of the application period. In order for ISS to process the I-20, international students need to submit documentation verifying they have sufficient funds to attend the University.
Transfer

A transfer applicant is a student who has enrolled in college coursework after the summer quarter following high school graduation and has not earned a bachelor's degree.

Application Process

Application to the Bothell campus is a separate process from application to the Seattle or Tacoma campuses and requires the submission of separate application forms, transcripts, and other required records and documents.

General Admission Requirements

1. Minimum transfer GPA of 2.0
2. Successful completion of the core subject requirements
3. Official SAT (with Writing section) or ACT (with Writing section) scores for applicants with <40 transferable credits.

Application Checklist

1. Completed application, including required writing assignments
2. Non-refundable $60 application fee
3. Official high school transcript
4. Official transcripts from each college attended
5. Official SAT (with Writing section) or ACT (with Writing section) scores for applicants with <40 transferable credits.

The academic programs at UW Bothell have additional requirements students must complete to be considered for admission. Applicants are encouraged to contact an Admissions Advisor at (425) 352-5000 or askuw@uw.edu.

International Transfer Students

An international student is an applicant who is not a United States citizen or permanent resident who plans to attend a college, university, or other post-secondary education institution in the U.S. This includes applicants that hold U.S. visas as students, exchange visitors, or other nonimmigrant classifications. International students who have completed college coursework after completing secondary school, regardless of the amount of credits earned, should apply as a transfer student.

Minimum Admission Requirements

- Minimum 2.0 GPA in Secondary and College Coursework
- Core Subject Requirements
- English Proficiency Requirement

International Application Checklist

- Completed application, including required writing assignments
- Nonrefundable $75 Application Fee
- Official high school transcript(s)
- Official transcript from any colleges/universities attended
- Complete the "Declaration of Finances" section of the application
- Official bank statements or letter sealed in an envelope, dated within the past six months
- Proof of English proficiency

English Proficiency Requirement

- All international transfer applicants must provide proof of English proficiency by providing scores that meet the University's minimum on one of the following exams:

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Minimum Scores for Admissions Consideration</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOEFL: internet based</td>
<td>90*</td>
</tr>
<tr>
<td>TOEFL: computer based</td>
<td>237</td>
</tr>
<tr>
<td>International English Language Testing System (IELTS)</td>
<td>7</td>
</tr>
</tbody>
</table>

- For the internet-based TOEFL only, the minimum scores required are based on the combined total of the Reading, Speaking, Listening, and Writing sections.
- TOEFL scores are only valid for 2 years.
Alternative Options for English Proficiency

- The University of Washington Bothell has partnered with the University of Washington Seattle Intensive English Program to offer a conditional admissions program for undergraduate students to fulfill the English proficiency requirement. This program is for students who do not meet the minimum English Proficiency requirement(s) for admission, but are otherwise admissible to University of Washington Bothell.

A minimum grade of 80 percent is required in each course and students must obtain a recommendation from the Director of the UW Seattle English Language Program. After successful completion of the UW Seattle Campus Intensive English Program requirements, applicants do not have to submit TOEFL, IELTS, or other standardized test scores as proof of language proficiency to UW Bothell.

OR

- Complete a Direct Transfer Agreement/Associate of Arts Degree with a minimum grade of 3.0 in both English Composition (Eng 131) and Writing from Research (Eng 182) from a community college in Washington State and have earned a minimum of a 2.75 cumulative GPA.

OR

- Have completed a minimum of four years of high school English with grades of 3.0 or higher and a minimum SAT critical reading score of 500 or an ACT English score of 22.

**Exception:** Non-U.S. citizens whose primary and secondary education took place in Australia, Canada, Great Britain, Ireland, New Zealand, or the U.S. are exempt from this requirement. Students who were born in one of these countries but were educated elsewhere, will still be required to satisfy the English proficiency requirement.

- International applicants who have completed a bachelor or masters degree in the U.S. are not required to submit a TOEFL or IELTS score.

International Transcripts

Effective April 1, 2009, the UW Bothell Office of Admissions is providing the service of international transcript evaluations. Upon request, applicants may be required to obtain a third party evaluation from an approved agency. It is the responsibility of the applicant to arrange for the third party transcript evaluation, if required.

Financial Statement

Part of the application process requires all international students to submit a Declaration of Finances along with an official bank statement dated within six months of the application period. In order for ISS to process the I-20, international students need to submit documentation verifying they have sufficient funds to attend the University.

Core Subject Requirements

To be considered for admission, applicants must complete a minimum level of preparation in six core subject areas. If a core subject requirement was not completed in high school, it must be completed at a college level before enrolling at UW Bothell. An academic associate degree does not automatically satisfy the core subject requirements.

In general, five quarter credits (or three semester credits) in a college-level course equal one year of high school study. If you completed a portion of the core requirements via high school course work, you can complete the balance of the requirement via college course work. A college course may be used to satisfy both an admission core requirement and a UW Bothell graduation requirement.

<table>
<thead>
<tr>
<th>University Core Subject Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject</td>
</tr>
<tr>
<td>English</td>
</tr>
<tr>
<td>Mathematics</td>
</tr>
</tbody>
</table>
**University Core Subject Requirements**

<table>
<thead>
<tr>
<th>Subject</th>
<th>If completed in high school</th>
<th>If completed in college</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science</td>
<td>3 years</td>
<td>15 credits</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>2 years of the same language</td>
<td>10 credits of same language or through 102 level with passing grade</td>
</tr>
<tr>
<td>Science</td>
<td>2 years of lab science, including one year of algebra-based chemistry or physics</td>
<td>10 credits (5-credits must be algebra-based chemistry or physics)*</td>
</tr>
<tr>
<td>Fine, Visual, or Performing Arts</td>
<td>.5 years</td>
<td>2 credits</td>
</tr>
</tbody>
</table>

College minimum cumulative GPA = 2.0

*Affective fall 2010 for transfer students, 10 credits of any lab science fulfills requirement until summer 2011.

**English**

**If taken in high school:**
Four years of study are required, at least three of which must be in college-preparatory composition or literature.

- One of the four years may be satisfied by courses in drama as literature, public speaking, debate, journalistic writing, business English, or English as a Second Language (ESL).
- Courses that are generally not acceptable include those identified as remedial or applied (e.g., acting, basic English skills, developmental reading, library, newspaper staff, remedial English, review English, vocabulary, yearbook/annual).

NOTE: English courses taken in another country are considered equivalent to ESL unless taken in Australia, Canada, Ireland, New Zealand, the United Kingdom, or the United States.

**If completed through college course work:**
Five credits with GPA of 2.0 or higher. College composition course work must be at the 100 level or higher.

- Courses such as developmental or speed reading, vocabulary, or remedial English are not acceptable.

NOTE: English courses are considered equivalent to ESL unless taken in Australia, Canada, Ireland, New Zealand, the United Kingdom, or the United States.

**Mathematics**

**If taken in high school:**
Three years of study are required, at least at the level of algebra, geometry, and second-year algebra.

- An algebra course completed in the last year of junior high school may partially satisfy the requirement if the second-year algebra is completed in secondary school.
- Arithmetic, pre-algebra, business math, and statistics will not count toward the requirement.

**If completed through college course work:**
If your high school preparation in mathematics was insufficient, you must complete one of the courses listed below:

- **A course in intermediate algebra** - At UW Extension, as well as at many community colleges in Washington, MATH 098 is the necessary course. The course must be completed with a grade of 'C' (2.0) or better, even though it does not transfer to the UW Bothell as college credit and the grade earned in the course is not used in computing the transfer GPA.
- **MATH 104 (Trigonometry) or its equivalent** - The course must be completed with a grade of 'C' (2.0) or better.
- **MATH 107 (Mathematics: A Practical Art) or its equivalent** - The course must be completed with a grade of 'C' (2.0) or better.
• **Mathematics courses with intermediate algebra as a prerequisite** - This includes any higher-level math courses such as elementary functions, calculus, and beyond. 

NOTE: Courses in statistics, philosophy (e.g., logic), or computer science do NOT satisfy the mathematics requirement.

**Social Studies**

If taken in high school:
Three years of study are required in history or in any of the social sciences, e.g., anthropology, contemporary world problems, economics, geography, government, political science, psychology, sociology.

• Credit for religion courses, consumer economics, student government, or community service will not count towards the requirement.

If completed through college course work:
Fifteen quarter credits in the social sciences - e.g., anthropology, economics, ethnic studies, history, philosophy, political science, psychology, sociology - will count toward the requirement.

**Science**

If taken in high school:
Two years of lab science are required. Applicants must complete one full year - both semesters in the same field with a laboratory experience - of the basic principles of biology, chemistry, or physics. The principles of technology course taught in Washington state high schools may also satisfy the laboratory science requirement. The second year of science may be completed in an algebra-based chemistry or physics.

If completed through college course work:
For purposes of admission, each quarter of language in college is considered equivalent to one year in high school. Applicants who have never studied a foreign language will need to complete ten quarter credits of a single foreign language. However, an applicant who studied French, for example, for one year in high school needs to complete only the second 5 quarter credits (e.g., FREN 102) or the second 3 semester credits of a first-year language sequence. Of course, you may prefer to begin with 101 to refresh your memory.

completed in an algebra-based chemistry or physics.

**Foreign Language**

If taken in high school:
Two years of study are required. The two years must be successfully completed in the same language.

• The foreign language requirement will be considered satisfied for applicants who complete their education through the seventh grade in school(s) a) where English was not the language of instruction and b) in countries other than Australia, Canada, Ireland, New Zealand, the UK, and the United States.

• International applicants who entered the U.S. education system prior to the 8th grade must satisfy the foreign language requirement.

• Any natural language that has been formally studied may be used to satisfy this requirement, including American Sign Language (AMESLAN, the language of the deaf community), and languages no longer spoken, such as Latin and ancient Greek. However, neither computer 'languages' nor forms of deaf signing aside from AMESLAN are acceptable.

• A foreign language course taken in the eighth grade may satisfy one year of the requirement if the second-year course is completed in high school.
**Fine, Visual, or Performing Arts**

If taken in high school:
One-half year or one trimester of study is required in the fine, visual, or performing arts, to be chosen from art appreciation, band, ceramics, choir, dance, dramatics performance and production, drawing, fiber arts, graphic arts, metal design, music appreciation, music theory, orchestra, painting, photography, print making, or sculpture. Courses generally not acceptable include architecture, color guard, creative writing, drafting, drill team, fashion design, foreign languages, interior design, sewing, speech, web design or graphics, woodworking, and yearbook.

If completed through college course work:
Two quarter credits (or 2 semester credits) chosen from any of the following subjects will satisfy the requirement:

- Art, art history, cinema/film making, dance, music, or photography;
- Any course in drama except drama as literature courses.

Courses in architecture are generally not acceptable, except for those in architectural history.

**Electives in Core Subjects**

If taken in high school:
One half year of study is required. Academic electives are courses in any of the six subject areas (defined above) beyond the minimum number of years specified above.

If completed through college course work:
Three quarter credits (2 semester credits) chosen from the six subject areas described above count toward this requirement.

**Grading Restrictions**

In general, you must attain at minimum a passing grade to satisfy a core subject requirement. Also acceptable is a grade of ‘Pass’ in a course taken on a ‘Pass/Fail’ or ‘Credit/No Credit’ basis. However, if you are completing core subjects through college course work you are strongly encouraged to choose a letter or numerical grade, because you may later want to apply core courses towards requirements for your major or University or college graduation requirements, for which grading restrictions pertain.

**Special Admissions and the Appeal of Admission Decisions**

An applicant who wishes to appeal the admission decision and be considered under special admission procedures may do so by writing a letter of petition to Director of Admission. Please contact the Office of Admissions for further information at (425) 352-5000 or askuw@uw.edu.

Applicants with disabilities are encouraged to enclose with their application a statement describing their disability. If appropriate, certain admission requirements may have substitutions authorized. For further information, please contact Rosa Lundborg at dss@uw.edu or (425) 352-5307.

Applicants who are unable to meet the minimum admissions requirements because of special circumstances are encouraged to meet with an Admissions Advisor. UW Bothell is committed to providing access and ensuring each applicant receives a fair review.

**Applicability of Transfer Credit to Degree Requirements**

The Office of Admission has the authority to make decisions approving transfer of credit to the University and application of transfer credits to fulfill university core subject, general education and proficiency requirements. The various Program Offices have the authority to determine application of transfer credits to fulfill major requirements. During the first quarter of enrollment, a student should meet with an academic advisor to plan a program of study. The advisor will determine how the transfer credits may be used in meeting degree requirements.

**Academic Credit**

The guidelines governing the awarding of undergraduate transfer credit at UW Bothell are listed below. In general, it is University policy to accept credits earned at institutions fully accredited by the regional accrediting association, provided that such credits have been earned through university-level courses (see exceptions below). For courses taken at a Washington community college,
the Bothell campus follows the listing of transferable courses published in the UW Transfer Guide: 

UW Bothell will accept up to 90 lower-division transfer credits (100 and 200 level courses). Courses equivalent to 300-level or higher at UW Bothell do not count toward the 90 lower-division credit limit. Students can petition their program to transfer additional credits beyond 90 lower-division to apply toward their major. No more than 135 transfer credits (lower or upper division) may be accepted to count toward a bachelor's degree.

Notable Restrictions on Transfer Credit

College in the High School
Additional credit restrictions may apply when students enrolled in high school have been awarded college-level credit by a college or university other than the UW, and the coursework was completed on the high school campus rather than the college campus. Contact the Office of Admissions for more information.

Community College Credit
A maximum of 90 lower division credits from community college course work may be applied toward the credits required for the bachelor's degree. All of the credits transferred from two-year colleges may be used toward graduation requirements.

Distance Learning
Up to 90 credits earned in correspondence courses, offered by the Distance Learning division of UW Educational Outreach, may be applied toward a UW degree. However, such credits may not be applied toward the 45 credits required for the Final Year Residence Requirement.

Extension Credit from Other Schools
No more than 45 credits earned as extension credit from other schools may be applied toward a UW degree. Military credit, discussed below, is included in the 45 extension credit limit.

Guidance/Personal Development
A maximum of 3 credits is awarded for courses in this area as part of the 15 credits allowed for vocational/technical courses.

Limitation on ROTC Credits
Credits earned in first- and second-year military training courses may not be counted in the 180 credits that are required for graduation. Some third- and fourth-year courses may count, depending on the student's degree program.

Military Credit
Credits earned in Armed Forces Training Schools (AFTS) and through USAFI and DANTES may not exceed 30 credits and are included in the 45 extension credit limit. Official transcripts or DD-214 or DD-295 forms must be submitted, and credit will not be awarded until after the student has enrolled. Scores received in such course work are not included in the transfer GPA. No credit is awarded for Military Occupational Specialty (MOS) programs. Regionally accredited military schools are evaluated under the same guidelines as all other regionally accredited two and four year schools.

Out-of-Sequence Courses
Credit is not awarded for prerequisite courses completed after a more advanced-level course has been completed. For example, students will not be awarded credit for Spanish 102 if it was taken after Spanish 103.

Physical Education
No more than 3 quarter credits will be allowed for physical education activity courses.

Repeated Courses
The Transfer GPA is calculated using the repeat policy of the home institution. In the case that a student takes a course at one college, then repeats it at another college, and then transfers to the UW, the second grade will be listed in the transfer evaluation and included in the transfer GPA calculation.

Vocational/Technical Credits
A maximum of 15 vocational/technical quarter credits may be awarded. Courses in this category
are those which would ordinarily provide specialized training for an occupation (e.g., allied health, bookkeeping, electronics, or physical therapy assistant). When allowed, these credits will apply only toward the elective credit component of a baccalaureate degree at UW Bothell. Such courses are not included in the Transfer GPA.

Courses receiving no credit
The University reserves the right to deny credit for courses that are not compatible with those offered in its baccalaureate degree programs. Some general categories of courses never receive transfer credit. Examples include:

- Courses below college level (usually numbered below 100)
- Repeated courses or courses with duplicate subject content will only receive credit once
- Course work earned at an institution that did not hold at least candidacy status with its regional accrediting association when the course work was taken
- Courses that provide instruction in a particular religious doctrine
- Mathematics courses considered below college level, including basic math, and beginning and intermediate algebra
- Courses offered for non-credit continuing education units
- Remedial English (e.g., reading, vocabulary development, grammar, speed reading, or any courses that are preparatory to an institution's first Freshman Composition course)
- Courses providing instruction in English as a Second Language (100-level or above)
- Remedial courses in any academic discipline (100-level and above)
- Lower division military science courses
- Non-academic/vocational-technical courses beyond the 15 credit limit

Special Categories for Undergraduate Admission

Matriculated Students
New students at the UW Bothell, seeking their first undergraduate degree, are normally admitted as either general transfer or to a specific academic program as matriculated students. Applicants should be sure to use the correct application form and indicate the appropriate category for their requested status at the Bothell campus. The application is available online.

Staff in the Office of Admissions can assist applicants who are uncertain about the proper admission category.

Returning Students
A returning student who has been away for more than one quarter (excluding summer) is required to complete and file a Returning Student Enrollment Application. Students should contact their previous program to verify any additional requirements. A returning undergraduate is required to pay a non-refundable $60 application fee by the application priority date. Returning non-matriculated students are enrolled as space permits.

Non-matriculated Students
Non-Matriculated status is used by non-degree seeking students at the Bothell campus. Although a student enrolled at the Bothell campus in a non-matriculated status cannot earn a degree in that status, a grade is earned and full credit is awarded and recorded on the student’s UW transcript. Credits earned by a non-matriculated student usually transfer to other institutions. If a student is later accepted into a matriculated status at the Bothell campus, courses earned as a non-matriculated student may be applied to undergraduate degree requirements, with some restrictions: a maximum of 90 credits earned through correspondence and/or extension programs may be applied toward the bachelor's degree, and the last 45 credits of a baccalaureate degree must be earned as a matriculated student in residence at the Bothell campus.

Pre-professional Students
Students wishing to begin their auxiliary studies for a professional program (e.g., Nursing), in a quarter preceding the beginning quarter of the program, may enroll as pre-professional students if space is available within Bothell campus enrollment limitations. "Pre-professional" is a matriculated status.

Post-baccalaureate Students
Post-baccalaureate is a matriculated status at the University of Washington. At the Bothell campus,
post-baccalaureate students are those who have completed one or more bachelor’s degrees and are working toward another bachelor’s degree. Such students are admitted to an undergraduate program on the same basis as other applicants. The application of previous courses toward graduation requirements will be determined by program faculty and advisors.

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**Graduate**

The University of Washington Graduate School is responsible for determining the requirements for admission to graduate study. Within the limit imposed on overall enrollment in the Bothell campus, admission to a specific graduate program is limited to the number of students for whom faculty, staff, and facilities can provide graduate instruction and research guidance of high quality. Each graduate student must be admitted into a specific graduate program. The Graduate School does not permit general graduate enrollment.

**Graduate Admission Procedure**

Admission to the Graduate School is granted by the dean of the Graduate School. Application for admission is made to the Office of Graduate Admissions. The prospective student must hold a baccalaureate degree from an accredited college or university in this country or its equivalent from a foreign institution. Each applicant must submit a completed University of Washington application form and application fee. The applicant must arrange for the receipt of scores on the Graduate Record Examination, Graduate Management Admission Test, or an alternative test approved by the Graduate School Council, and official transcripts from all previously attended colleges, universities and institutes. Each department or other unit authorized to offer a graduate degree program maintains a Graduate Admissions Committee consisting of not fewer than three faculty members. The committee receives from the Office of Graduate Admissions all completed applications for admission to the unit. The Admissions Committee is responsible for the fair and complete evaluation of applicants and for recommending to the dean of the Graduate School the names of applicants who are considered to be qualified for admission.

Priority for admission of applicants into a graduate degree program is based upon the applicant's apparent ability, as determined by the University, to complete the program expeditiously with a high level of achievement and also upon the applicant's promise for success in his or her subsequent career. In addition, Graduate School admission policy requires that:

No practice may discriminate against an individual because of race, color, national origin, disability, sex, age, religious preference, creed, sexual orientation, marital status, or background, or status as disabled veteran or Vietnam era veteran.

And that:

Sustained efforts are made to recruit qualified students who are members of groups that have been subject to discrimination or are underrepresented in certain disciplines.

**Graduate Admission Policy**

In developing a pool of qualified applicants for admission to the Graduate School, the following factors may be taken into account by a degree-offering unit:

1. Undergraduate grades, especially for subjects in or closely related to the field of the applicant's proposed graduate work (at least a B, or 3.00 grade-point average is expected).

2. The applicant's consistency in proceeding through an undergraduate degree program.

3. Scores on the Graduate Record Examination's verbal, quantitative, and analytical tests, the GRE advanced test or other tests related to the applicant's field, and on other aptitude tests that may be required.

4. Personal interviews of the applicant by the department admissions committee.
5. The career objectives of the applicant and the extent to which the graduate degree program may be expected to prepare him or her for those objectives.

6. Written and oral recommendations from persons who are qualified to evaluate the applicant’s academic record and promise.

7. The applicant’s degree objective. Weight given to these factors may vary among academic units. Admission to the Graduate School for enrollment at the Bothell campus signifies admission into a program of graduate study leading to a master’s degree. Doctoral degrees are not offered at the University of Washington, Bothell.

Graduate Enrollment Limitation

Total graduate enrollment at the University of Washington Bothell is determined by the University administration, as part of overall Bothell enrollment, in furtherance of University intent to maintain proportions of graduate students and other categories of students appropriate to the role of the University in its particular setting. First preference in enrollment is given to continuing graduate students (i.e., those who have already been admitted into a graduate program, who are in good standing, and who have maintained continuous enrollment as in‐residence, in‐absentia, or on‐leave students). After continuing graduate students are accommodated, the remaining places are available for the enrollment of new students or the re‐enrollment of former students who have not maintained continuous enrollment.

How to Apply

Application for Admission to Graduate School is done online. Each applicant for admission to the Graduate School must submit the online application form and a check to the University of Washington for the application fee of $65 and must arrange for the receipt of scores on the Graduate Record Examination (or an alternative test approved by the Graduate School Council) and of official transcripts (2 copies each) from all previously attended colleges, universities and institutes.

These required documents must be submitted to the Office of Graduate Admissions prior to the following dates: July 1 for Autumn Quarter, November 1 for Winter Quarter, February 1 for Spring Quarter, and May 15 for Summer Quarter (these dates are subject to change by the University). Early application is advised.

Please note that the Master of Business, Master of Nursing, and the Master of Arts in Policy Studies admit only once a year for Autumn Quarter.

Additional documentation (e.g., letters of recommendation) is required by some programs. See the appropriate section of this catalog and check with the Program Office for complete and current information. All records submitted as part of an admission application become a part of the official file and the property of the University of Washington and cannot be returned nor duplicated for any purpose. Failure to submit complete and accurate credentials may result in permanent dismissal from the University.

The foregoing dates and procedures apply to new students and visiting students as well as to former students of the University of Washington who have not attended since receiving their baccalaureate degrees. A former student must apply as a new student for admission to the Graduate School.

Under certain circumstances, University of Washington students, who are within 6 credits of completing their undergraduate work and who have met the requirements for admission to the Graduate School, may register the quarter immediately preceding admission to Graduate School for up to 6 credits in 500 level courses, in addition to the last six credits that are required of undergraduate work. This registration and these arrangements must be approved by the graduate program that the student is entering. However, students so enrolling are not reclassified as graduates until the baccalaureate degree has been granted and after their official admission to the Graduate School. At that point, it is necessary to petition the Graduate School to permit the six credits to apply toward the master’s degree. Only under these circumstances may graduate work, taken as an undergraduate, be applied toward an
advanced degree. Further registration for graduate work is contingent upon completion of the requirements for the bachelor's degree.

When all required documents have been received, an evaluation is made and the applicant is notified of his or her admission status. An offer of admission is valid only for the quarter indicated. Applicants, who wish to be considered for a different quarter, must file a new application and fee with the Office of Graduate Admissions. Admissions credentials of applicants, who do not register for the quarter to which they have been admitted, are normally retained for a period of one year from the quarter of application. At the end of this period credentials on file are discarded unless the applicant has notified the Office of Graduate Admissions of a continued interest in attending the University.

**Special Categories for Graduate Admission**

**Visiting Graduate Students**

A student who wishes to enroll in the Graduate School at the University of Washington, Bothell, and, who intends thereafter to return to the graduate school in which he or she is working toward an advanced degree, may be admitted as a visiting graduate student. This admission is contingent on available space and facilities. Such a student must have been officially admitted to another recognized graduate school and be in good standing and currently pursuing a graduate degree. Admission to the University of Washington, Bothell, as a visiting graduate student, does not guarantee admission to any particular course of study. A visiting graduate student is permitted to register only in those courses for which he or she is judged to be eligible by a faculty advisor or the instructor of the course, and if space is available to accommodate registration. Further details regarding application and other relevant policies may be obtained from the Office of Graduate Admissions at the Seattle campus of the University.

**Graduate Non-matriculated**

Graduate Non-matriculated (GNM) defines a student status at the University as designed to provide access to graduate courses for qualified post-baccalaureate individuals who are not at the present time seeking a graduate degree but who may later want to apply these credits toward a degree. All applicants must be evaluated by the graduate unit in which the student seeks this status, and be judged qualified to do graduate level work in the courses to which they seek entry.

Applicants to the GNM status must contact the academic unit directly for application information. (Not all departments offer GNM status.) Departments will counsel students regarding the status and provide instructions, application forms, and department requirements to appropriate candidates.

GNM students are limited to a total of 12 credits in each program to which they have been accepted. Please note, however, that should the student later be admitted to a master's degree program, a maximum of 12 GNM credits or any combination of GNM and transfer credits may be applied toward the degree.
III. Tuition, Fees & Financial Aid

Tuition and Fees

Education Cost
The cost of a student's education at the University varies with individual circumstances. The amount charged for tuition and fees is set by the state and is indexed to the cost of instruction. Since inflation increases costs generally, the tuition and fee rates also increase each year. Consequently, accurate tuition charges for future quarters cannot be provided here. Since University costs are supported by state taxes, the rates charged to students who are not residents of Washington State are higher than the rates for residents.

The Office of Student Financial Aid estimates the amount of money that students in different family situations need to meet living expenses and to pay for school. To obtain an estimate of the costs of attending the University of Washington for one academic year (autumn, winter, and spring quarters), find the appropriate category in the chart below.

<table>
<thead>
<tr>
<th>Lives with Parents</th>
<th>Traditional</th>
<th>Non-Traditional</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Undergrad</td>
<td>Grad</td>
</tr>
<tr>
<td>New Student Orientation*</td>
<td>$250</td>
<td>$250</td>
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<tr>
<td>Books</td>
<td>$1,035</td>
<td>$1,035</td>
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<tr>
<td>Room &amp; Board</td>
<td>$3,189</td>
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<tr>
<td>Personal</td>
<td>$2,265</td>
<td>$2,265</td>
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<tr>
<td>Transportation</td>
<td>$1,524</td>
<td>$1,524</td>
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<tr>
<td>TOTAL</td>
<td>$8,263</td>
<td>$8,184</td>
</tr>
</tbody>
</table>

*First quarter only

Traditional: All single, undergraduate students without dependents (spouse or children) who are living away from parent's home; undergraduate married students without children whose spouses are also students.

Non-Traditional: All graduate/professional students; undergraduates who have children; married undergraduates whose spouses are not also enrolled. Registered same-sex domestic partners may request consideration for additional living costs and will need to provide information about their partners’ financial resources when they make the request.

<table>
<thead>
<tr>
<th>2010-2011 Tuition Rates</th>
<th>Resident</th>
<th>Non-Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>$8,619</td>
<td>$25,245</td>
</tr>
<tr>
<td>Graduate Tier I</td>
<td>$11,367</td>
<td>$24,705</td>
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<tr>
<td>Graduate Tier II (MAPS, M.Ed)</td>
<td>$11,907</td>
<td>$25,245</td>
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<tr>
<td>Graduate Nursing</td>
<td>$11,907</td>
<td>$25,317</td>
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<tr>
<td>Business Masters' Programs</td>
<td>$21,375</td>
<td>$28,266</td>
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<tr>
<td>Business Masters' Programs 2nd year</td>
<td>$17,139</td>
<td>$26,946</td>
</tr>
</tbody>
</table>

**Subject to change
These are just some of the tuition rates charged at the University of Washington. Please review website for more information about tuition rates.

Tuition and Fees
Figures presented here are for full-time enrollment, i.e., 10-18 credits per quarter; however, for purposes of financial aid eligibility, full-time is defined as 12 or more credits.

Tuition is due quarterly by Friday of the third week of the quarter.

Enrollment Confirmation Deposit
A new or returning former transfer student, or continuing student in a new classification, is required to confirm his or her intention to enroll by paying a nonrefundable $100 Enrollment Confirmation deposit (not required of students admitted Summer Quarter). The $100 is applied toward tuition and fees assessed for the quarter for which the student is determined to be admitted and subsequently enrolls. A student who pays the fee for a given quarter, but does not register in that quarter, is not entitled to a refund except in the situations listed below:

1. A new or returning matriculated student who is unable to obtain courses that are applicable to the requirements of the degree or certificate program to which the student has been admitted, and who does not enroll in or attend other courses, is refunded the $100 Enrollment Confirmation deposit upon written request to the Office of Enrollment Management. Petitions should include a
statement from an appropriate academic advisor certifying that no such courses are available. Petitions must be submitted by Friday of the second week of the quarter.

2. A new or returning matriculated student who, after meeting with an appropriate academic advisor, determines that the program for which admission was granted differs substantially from what the student was led to expect, based upon earlier available information, is refunded the $100 enrollment confirmation deposit upon written request to the Office of Enrollment Management. Such a request for refund must be submitted before the student registers for courses, and, in no case, later than the first day of the quarter for which admission has been granted.

3. A new or returning student who applies by the prescribed deadline for financial aid, administered by the University Office of Student Financial Aid, and who cannot be awarded financial aid adequate to his or her needs as determined by that office, and who is therefore unable to attend the University, is refunded the $100 enrollment confirmation deposit upon application to the Office of Enrollment Management no later than two weeks after receipt of notice of the financial aid award.

4. A new or returning student who is unable to attend the University because of pregnancy, disability, or death, or because of being called involuntarily into the military service of the United States, or into civil duty, is refunded the amount, if any, by which the enrollment confirmation deposit exceeds the amount of tuition and fees assessed at the time of withdrawal. Requests for refund must be submitted in writing to the Office of Enrollment Management by the last day of the quarter for which the student was determined admissible and for which the enrollment confirmation deposit has been paid. Appropriate documentation is required.

New Student Enrollment Fee
The NSEF is a mandatory, one-time fee for $250 that all entering undergraduates pay to confirm their enrollment at the UW Bothell. Several transition programs are funded entirely or in part by the NSEF including the Freshman Advising & Orientation program.

Fee Payment
An obligation to pay tuition and fees in United States dollars is incurred when a student registers. A fee statement is sent to the student’s email address on MyUW.

The tuition due date is always the third Friday of the quarter. Payments must be received by the Bothell Cashier’s Office no later than the tuition due date. If you do not pay your tuition by the due date, you will be assessed a late payment charge based on the amount of your outstanding balance. For past due balances of $250 and above, the late fee is $120. For balances between $50 - $249.99, the late fee is $50. There is no late payment charge for balances under $50.

You may petition the late payment charge through the Office of the Registrar if you feel this fee was charged in error. Your petition will be approved or denied based on the circumstances.

If you have not paid your outstanding balance by the end of the late payment period, a hold will be placed on your academic records. Unpaid balances will be forwarded to collections after the conclusion of the quarter.

When the payment is not in conformance with the tuition and fee billing, specific instructions on how the payment is to be applied must accompany the payment. In the absence of instructions, the University makes a reasoned interpretation of the student’s intent and accounts for the funds accordingly. The student number must be specified on all payments.

Mailing Payments
You may mail your payments directly to the Bothell Cashier’s Office. Write the student number on your check. If your name is not printed on the check,
please write your name on the check so your tuition account will be properly credited.

Please do not mail contracts, authorizations, vouchers, or sponsor payments. These documents should be sent directly to the UW Seattle Student Fiscal Services Office.

Payments must be received by Student Fiscal Services, or the Bothell Cashier’s Office, by the tuition due date. Payments received after the due date will be subject to late charges and/or holds on your academic records.

Direct Deposit Transfer
You may have your tuition paid directly from your bank account by using direct deposit transfer. This eliminates the need for you to mail a check or wait in line to pay in person.

Paying by Credit Card on MyUW
Tuition and fees can be paid using a credit card on MyUW. To pay by credit card, students may sign in at MyUW and select the ‘Credit Card Payment’ option; parents should go directly to the Tuition/Fees Payment by Credit Card section on the web page. Credit cards will not be accepted in person or over the phone. There is a convenience fee which is charged for payments made with a credit card.

Paying in Person
You may pay your tuition in person at the Bothell Cashier’s Office. You may pay by cash, check or money order.

Drop Box
You may place your payment in the drop box located in UW1, outside Enrollment Management. Be sure to write your student number on your check. Please use an envelope if you are using the drop box.

Payments deposited in the drop box will be posted to your account within two business days. The date the payment is placed in the drop box (before 5:00 PM) is considered the date of payment. Please do not include cash when using the drop box.

Tuition Payment Plan
This plan is best for students who are not on financial aid, and who want or need to spread their payments over several pay periods. One-third of the anticipated tuition, plus a $10 service charge, is due on the first Friday of the quarter, along with the application form, which can be found at the Cashier’s office. The remaining balance of tuition is divided into two equal payments, due the third and sixth Friday. Late fees of $55 each will be assessed for each payment not in the Cashier’s Office by 5:00 PM on the due date, or postmarked on that day.

Technology Fee
This fee is to recover, in whole or in part, the costs of providing and maintaining services to students that include, but are not limited to, the following: Access to the Internet, e-mail, computer and multimedia workstations and laboratories, computer software, and dial-up telephone services. Part-time students, (those paying less than full-time tuition) are charged on a prorated basis. The fee of $40 per quarter, except summer, will be included on the Quarterly Tuition billing.

Paying in Person
You may pay your tuition in person at the Bothell Cashier’s Office. You may pay by cash, check or money order.

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Change of Registration Fee

A charge of $20 is made for any number of add and/or drop transactions processed during a given day beginning the second week of the quarter.

Transcript Fee

A charge of $9, payable in advance at the Bothell Cashier’s Office, is required for each transcript. Each transcript will include all course work taken at the University of Washington, with indication of the campus where the credits were earned. Please contact the Office of the Registrar for ordering information.

Cancellation of Tuition

Registered students must pay full tuition and fees. Tuition may be canceled or reduced if a student makes an official withdrawal or drops a course during the period specified by state statute. Refunds are given when a cancellation or reduction results in an overpayment.

Fee Forfeiture

A student who does not completely withdraw, but who is dropping one or more courses, may be eligible for lower tuition, depending on the total number of credits remaining, after the course drop, and on the time period when the drop was made. Tuition for students making a course drop on or before the seventh class day is determined by the total credits remaining. Tuition for students making a course drop after the seventh class day, through the 30th calendar day of the quarter, is computed on the total credits remaining, plus one-half the difference between the old tuition and the new tuition. There is no cancellation or reduction in tuition for courses dropped after the 30th calendar day of the quarter.

Fee Refund

When a fee payment is made by check, a waiting period is required before a refund can be authorized. An application for refund may be refused, unless it is made during the quarter in which the fees apply. A student who withdraws for disciplinary reasons forfeits all rights to refund or cancellation of any portion of his or her fees.

Residence Classification Requirement

Residence classification information is available in the Office of the Registrar.

Veterans and Children of Totally Disabled or Deceased Veterans

Information on educational benefits and special exemption programs for veterans and their dependents is available in the Office of Special Services. Veterans and members of the armed forces who apply for admission to any campus of the University are subject to the same minimum requirements, as are regular students, and are expected to enroll in accordance with University requirements. The University complies with the standards of progress as required by the Department of Veterans Affairs and the State Approving Agency.

Financial Obligations

The comptroller is authorized to place a hold (administrative) on the records of any student who fails to pay amounts due to the University. Until this hold is cleared, the University (1) does not release the student’s record or any information based on the record, (2) does not prepare transcripts or certified statements, and (3) denies registration as well as graduation from the University. In cases of serious financial delinquency, the comptroller, with the consent of the Registrar, may order that a student’s registration be canceled and that privileges of attendance be withdrawn. Tuition and fees not paid by the end of the academic quarter are subject to an interest charge of 1 percent per month or a fraction thereof (12 percent APR), beginning the month following the end of the quarter.

An administrative hold or cancellation also may occur when a student has not complied with other University rules, procedures, or obligations. The hold may be placed on the student’s record by the authorized University office responsible for enforcement of the rule, procedure, or obligation involved. The student is not permitted to register for any subsequent quarter, or to obtain a transcript of his or her record, or a certified statement, except on the written release of the office that placed the hold.
Tuition Exemptions
The University of Washington Tuition Exemption Program, established under the authority of RCW 28B.15.558, enables University of Washington employees and State of Washington employees who have been admitted to the University of Washington, to have tuition waived for up to six credits when enrollment is on a "space-available" basis. The Tuition Exemption Program is available at the University of Washington Seattle, Bothell, and Tacoma campuses. Those who enroll at the UW on a "space-available" basis for more than six credits will receive the tuition waiver for the first six credits and will pay a per credit charge for the credits taken over six.

Financial Aid
The UW administers many federal, state, and institutional financial aid programs to help students pay for their education. There are four basic types of aid: grants, scholarships, loans, and work study. Grants and scholarships do not have to be repaid. Loans must be repaid after graduation or withdrawal from school. The work study program gives students a chance to work part-time, either on or off campus. A Financial Aid Counselor is available on site at the UW Bothell campus to assist with a students' financial aid needs.

What is financial need?
For most aid programs, financial need is defined as the difference between what it costs to attend school and what the student can afford to pay. The amount a student should be able to pay is determined by a standard, federally mandated need-analysis methodology. The methodology establishes whether a student is financially dependent on his or her parents and, if so, what the family should be able to contribute. It also takes into account past earnings and benefits, a percentage of net assets, and all other resources.

There is no income cutoff or other simple method of determining whether a student will qualify for need-based financial aid. Any student who thinks he or she needs help should apply.

If a student has unusual expenses not covered by the standard cost of attendance (such as medical or dental expenses not paid by insurance), the student may request a revision from the Financial Aid office. If a student has a change in their financial situation while in school, the student should notify the Financial Aid office to request a re-evaluation of their eligibility.

Applications and Deadlines
The Free Application for Federal Student Aid (FAFSA) is the basic application for financial aid. The application is available on-line at www.fafsa.ed.gov beginning in January. The deadline for priority consideration is February 28 and applies to all quarters of the upcoming academic year. This date refers to the receipt date of the FAFSA whether mailed or electronically transmitted. It does not refer to the date the student mails or transmits the FAFSA. The Financial Aid office recommends that students complete the FAFSA by February 15th. Students must reapply every academic year.

Students who do not meet the priority filing date will be considered for the Federal Direct sub/unsub loan, and Federal Pell Grant for undergraduate students. Students who apply for financial aid should remember to keep copies of financial documents used in completing their FAFSA, should stay in touch with the financial aid counselor, and should notify the Financial Aid office of any changes which may impact their award.

Eligibility for Financial Aid
To qualify for aid an applicant must:
1. Be a U.S. citizen, permanent resident, or other eligible non-citizen;
2. Be admitted to the University in a degree or certificate program (correspondence and most non-matriculated students are not eligible for student aid);
3. Not be delinquent or in default on a previous student loan or owe a repayment on a federal grant;
4. Provide financial information;
5. Maintain satisfactory progress in a course of study.
Scholarships

Students enrolled, or planning to enroll, at the UW Bothell may be eligible to apply for scholarships. There are many sources of information for scholarships and other funding opportunities. Many of these resources are designed to help students identify which scholarships best match their qualifications. Each student must research the scholarships available and find those that best match their skills, experience, interests, and goals.

Visit our scholarship web site to find out more information about researching and applying for UW Bothell and outside scholarship opportunities.

In order to present a polished application packet, fill out applications thoroughly and accurately. In addition, visit the Writing Center, Room UW2-124, to receive assistance with your personal statement.
IV. Campus Services

Student Services

Advising
Enrollment Management advisors assist prospective and enrolled students with academic planning. Advisors meet with prospective students to review their prior educational experience and help determine whether additional course work is needed to satisfy admission requirements. If a student needs to complete general or program prerequisites, advisors can help develop a plan for completing those requirements. Advisors can also assist students in selecting appropriate pre-admission courses to help prepare for study at the upper-division level.

Advisors also direct students to appropriate campus resources; provide general financial aid information and assistance with financial aid procedures and timelines; and assist students with questions about registration, student accounts, and admission policies and procedures. Advisors are here to help students successfully navigate their academic careers and complete their educational goals. To make an appointment with an advisor, please contact the Office of Enrollment Management at (425) 352-5000.

Academic and graduation advising is provided by academic program advisors. After admission, contact your program for information or to make an appointment with the program advisor.

Admissions
Staff can provide initial information on academic programs and set up appointments with advisors. Unofficial evaluations of transcripts may be requested to identify admissions eligibility and possible areas of deficiency. Completed undergraduate application files are processed for general admission to the University. For more information see the section on Advising below, or consult individual academic programs for specific admissions requirements.

Student Life
UW1-Lower Level Vista
www.uwb.edu/students/life
studentlife@uwb.edu

The Office of Student Life provides a variety of opportunities for students to engage with the campus community. Getting involved in student life will provide a terrific complement to your academic experience. Students are able to enhance their resume, develop new skills, meet new people, and have fun!

Student Life programs include:
- Alternative Spring Break (ASB)
- Associated Students of the University of Washington Bothell (ASUWB)
- Campus Events Board (CEB)
- Clubs and Organizations
- Diversity Programs
- Emerging Leaders Program
- Fitness Center
- Off-Campus Housing Resources
- Orientation
- Recreational Sports
- Services and Activities Fee Committee (SAF)
- Student Organizing Diversity Activities (SODA)
- Student Technology Fee Committee (STFC)
- Volunteer Opportunities
- Wellness Programs

Alternative Spring Break (ASB)
ASB is a program that gives students the opportunity to take part in a service project during their scheduled spring break. The ASB program encourages active citizenship by providing service opportunities addressing homelessness, poverty, childhood illiteracy, health care, environmental issues and much more.

ASUWB: Associated Students of the University of Washington Bothell
ASUWB is UW Bothell’s student government. It works as a liaison between the administration, faculty, staff and students to promote student interests. ASUWB has a number of opportunities to get involved and offers terrific leadership experiences. Elections for the executive board take place every spring quarter.
Campus Events Board
This group plans and coordinates a variety of campus events that reflect the diverse interests of the student body. Social, cultural, and educational activities and events are planned throughout the academic year. Contact studentlife@uw.edu for information on how you can get involved.

Clubs and Organizations
Student clubs and organizations are an excellent opportunity for students to connect with others who share a common interest or passion. Please explore the range of student groups that exist or consider starting your own organization.

Diversity Programs
The Office of Student Life promotes and aids in creating a campus climate and culture that respects and celebrates diversity. We are committed to creating educational programs/events that promote awareness and understanding of diversity, social justice, gender equity, historically underrepresented communities, multiculturalism, and much more. Contact diversity@uw.edu for more information.

Emerging Leaders Program
The Emerging Leaders Program is a joint program with Cascadia Community College and compliments the educational missions of both colleges. This program stresses collaboration, creativity, and critical thinking in the work students accomplish. It also connects leadership to multicultural awareness, a commitment to service, and reflection in the students approach to leading others. The ELP will transform the participants and shift their paradigm from seeing leadership in a position to understanding leadership as a process.

Fitness Center
The Student Fitness Center is located in UW2-040 and is open to all students – and only students – at UW Bothell. There are several different pieces of equipment in the Student Fitness Center, including ellipticals, treadmills and recumbent bikes for cardio workouts, as well as dumbbells and a multi-station gym for strength workouts. Amenities include two plasma screen TVs connected to digital cable, a cold water dispenser, and two fans to keep cool. There are showers and lockers very close by, in the bathrooms next to the CUSP office. To get access to the Student Fitness Center, go to Security and Campus Safety in LB2-005.

Recreational Sports
Participating in a recreational sport is can be a great opportunity to meet new people, be part of a team, get some exercise, and compete in your favorite sport. There is a different set of sports offered every quarter, and you can start playing at any time throughout the year. Some of the popular sports include indoor soccer, volleyball, basketball, ultimate Frisbee, and dodgeball, but different sports are being added constantly. Look at the Student Life website for current sports offerings.

Services and Activities Fee
Services and Activities Fees are derived from a portion of students’ quarterly tuition and are mandated by state law to be spent on student activities and programs. The money is allocated by a committee of students appointed by the Chancellor. Funded programs include (but are not limited to) student government, clubs and organizations, recreation programs, and Career Services.

Student Organizing Diversity Activities (SODA)
SODA is a group made up of student volunteers interested in programming diversity activities to recognize and promote education on cultural awareness, gender issues, awareness months, heritage, disability, training opportunities, social justice, and much more. The group works closely with campus diversity clubs and organizations to co-sponsor and promote upcoming events and programs.

Student Technology Fee
The Student Technology Fee is designed to provide funds for the improvement of technology used by students at UW Bothell. The UW Bothell Student Technology Fee Committee (STFC) determines the expenditures of the fee. Students of UW Bothell lead the committee and the committee allocates money for technology resources for general student use, pursuant to RCW 28B.15.051 and the agreement between the Associated Students of the University of Washington Bothell (ASUWB), and the Board of Regents.
Volunteer Opportunities
Student Life keeps up updated list of opportunities to volunteer in the surrounding community. If you are interested in finding out more information please contact studentlife@uwb.edu.

Wellness Programs
Wellness programs are an opportunity to improve your physical, mental, and intellectual health outside the classroom. Past programs have included yoga classes, pilates classes, zumba classes, blood drives, sexual assault awareness events, breast cancer awareness events, and much more. Look at the Student Life website for current wellness classes and programs.

Student Life

Career Center
The Career Center offers a wide range of resources and activities that empower students and recent alumni to EXPLORE academic and career options, BUILD marketable experiences and job search skills, and CONNECT with the employment community. Offerings include career counseling and coaching, internship advising, resume and cover letter review, interview preparation, an online job and internship bank, career fairs and much more.

Counseling
Confidential, short-term personal counseling is available free of charge to currently enrolled UW Bothell students. Students may utilize counseling services for stress, adjustment issues, depression, relationship problems, or any other personal concern that is causing distress or interfering with academic progress. Please call 425.352.3183 to set up a counseling appointment.

Office of Advancement and External Relations
The Office of Advancement and External Relations at the University of Washington Bothell encourages support of and participation in the University's mission and goals. The Office is comprised of four units: Advancement, Alumni Relations, Legislative and Community Relations, and Public Relations and Communications. We create strategies to strengthen UW Bothell’s reach with both internal and external stakeholders, including, but not limited to, donors, alumni, prospective and current students, faculty, staff, community members, media, legislators, and friends of the institution.

To learn more about the Office of Advancement and External Relations, please contact 425-352-3642.

Disability Resources for Students
Students with disabilities are invited and encouraged to discuss their needs with Disability Resources for Students (DRS). Documentation of the disability will be required according to the specifications of the University of Washington system before any accommodations can be arranged. We ask that students requesting services contact DRS at least six weeks prior to the beginning of the quarter. To speak with a DRS counselor, please stop by UW1 175 or call (425) 352-5307, TDD (425) 352-5303. You may also email your questions to drs@uwb.edu.

Academic accommodations are designed to meet the individual needs of the student based on their specific disability. Our goal is to fully comply with Section 504 of the Rehabilitation Act as well as the Americans with Disabilities Act.

Library Services
The Library serves the students, faculty, and staff of the University of Washington Bothell and Cascadia Community College. The Library houses course-related journals, magazines, newspapers, books, images, maps and audiovisual materials (VHS, DVD, CDs), and provides access to hundreds of library research databases and over six-million volumes at the University of Washington Libraries in Seattle and Tacoma, as well as the collections of 36 academic libraries in Oregon and Washington. Twenty group study rooms are available, and can be reserved for group work at the Information Commons Desk. The third floor is a quiet study area, and includes the Library’s Reading Room, which overlooks the wetlands.

The Library’s Information Commons includes 50+ computers, which provide access to online and web-based resources, including full-text journals. Students, faculty, and staff, with their own computers, can access many of these resources
remotely, using their UW NetID. Students can use the computers in the Information Commons to perform a variety of tasks, from searching the Library catalog and research databases, to writing papers and creating presentations. Wireless access to the campus network is available throughout the Library. A limited number of laptops are available for checkout to students.

The Library’s subject librarians offer research assistance in the Information Commons and are available by appointment for more extended consultations; 24/7 research assistance is available online. Librarians also collaborate with faculty in teaching workshops that integrate information literacy skills into courses in all academic disciplines and Programs.

Quantitative Skills Center
The Quantitative Skills Center’s mission is to promote and support quantitative reasoning across campus. The QSC offers free, drop-in tutoring, and faculty-sponsored workshops and in-class presentations. In addition, the QSC provides support on mathematical software such as SPSS, MS Excel and Matlab. The QSC differs from a regular math center in that it tutors any quantitative subject: math, science, CSS, statistics, business, etc...

The Quantitative Skills Center is located in UW2-131. Please feel free to contact us at (425) 352-3170 or at qsc@uwb.edu.

Veteran Services
Selected academic programs of study at the University of Washington Bothell are approved by the Higher Education Coordinating Board’s State Approving Agency (HECB/SAA) for enrollment of those eligible to receive benefits under Title 38 and Title 10, U.S. Code. To speak with the Manager of Veterans Services, in regards to educational entitlements available to student veterans, please stop by UW1 175 or call (425) 352-5307, TDD (425) 352-5303. You may also email your questions to rlundborg@uwb.edu.

The Writing Center
The Writing Center provides support to all writers, at any stage of the writing process. We help students find ways to convey ideas more effectively, whether working on a paper, preparing for an in-class presentation, or creating posters. Our goal is to help students become better, more confident writers and communicators.

During the conference, the Writing Center staff will ask clarifying questions, provide examples for revision, and offer suggestions to help with the writing process. Face-to-face, online, and phone conferences are provided.

For more information, please call 425-352-5253, email uwbwrite@uwb.edu or check out our website: www.uwb.edu/writingcenter. The Writing Center is located in UW2-124.

Campus Life

University Book Store
The University Book Store provides textbooks, course materials, supplies, clothing, general reading, and gifts on campus or at www.ubookstore.com.

The University Book Store is located in the library expansion building. UW students are eligible to participate in the bookstore’s rebate program and receive student pricing on many computer items. Regular bookstore hours are Monday through Thursday 9 a.m.-8 p.m., Friday and Saturday 10 a.m.-2 p.m. Hours are reduced in summer and during school breaks. The bookstore can be reached at (425) 352-3344.

Computer Use & Software Copyright Policy
All faculty, staff, and students who use any computer at the University are responsible for using computer resources in an ethical and legal manner. For example, it is not appropriate to share computer accounts or use them for commercial purposes, to send unwanted e-mail, or to distribute copyrighted software, music or images. Those who do not follow the rules could lose their UW computing privileges.
Information Technologies

Information Technologies (IT) supports a broad array of campus services and infrastructure at UW Bothell. Among other services, IT provides technical support for classroom and presentation technologies. Each classroom on campus is equipped with an ePodium—an electronic podium housing the primary classroom technology. With a minimum of 12-hours notice, IT can deliver additional equipment for classes and events as well. IT also provides over-the-counter equipment circulation to students, faculty, and staff for approved, course-related purposes.

All UW Bothell students have a UW internet e-mail account, secure space on the student file server, and network access to most class reserve readings via the Internet. For students with disabilities, a special workstation is available with screen enhancement magnification software as well as a speech synthesizer that reads computer text as it is typed.

In addition, students have access to drop-in computer labs equipped with both Intel PC and Apple Macintosh multimedia workstations, all loaded with the currently supported productivity software (such as Microsoft Office, and various Internet access tools). Fee-based laser printing is available via the network.

IT’s Multimedia Studio was established to provide advanced technological facilities to support students and faculty with various levels of technical experience in the production of course-related multimedia materials. The Multimedia Studio supports the general campus population and not specific courses or applications. Projects may include, but are not limited to, in-class presentation materials, multimedia-related course assignments, and lecture support materials. Appointments must be made with advanced notice and all projects must directly relate to a credit-generating course.

Internet and Email

The University of Washington provides all students and staff with free access to e-mail and internet services. The Web can be used as a resource for up-to-date information regarding campus news, events, programs, class schedules, as well as providing access to your personal account and transcript information. Faculty and staff use e-mail and the Web to publish course information, assign projects and correspond with students.

MyUW is a customized Web portal site for use by students, staff, and faculty of the University of Washington. Students can register for classes, check their grades, find their student loan status, apply for short-term loans, and get online assistance all through MyUW. A UW NetID is required to access MyUW.

Your UW NetID serves as your e-mail address and as your user name for access to MyUW. The University relies on e-mail to communicate important information and reminders; it is required that you get a UW NetID as soon as you are enrolled and that you check your UW e-mail on a regular basis. UW Internet Connectivity Kits (UWICK) are available for purchase in the University Bookstore and include all of the software you will need to set up your home computer for UW Internet access.

The University Ombudsman

The Ombudsman is a resource for assistance when you have questions, problems or concerns about your experiences within the University and are uncertain what to do. An ombudsman is an appointed representative of the University community who protects the rights and interests of University community members, including students, staff, faculty, and other users of University facilities.

Talking with the Ombudsman can help you clarify your concerns and identify goals and options for redress. You are assisted in enhancing skills and competencies to prevent, assess, manage, and resolve conflict. A plan is developed which seeks to minimize negative consequences for all parties and the University, while focusing on achieving a mutually satisfactory solution. Referral assistance is provided regarding where to take grievances and how to present them effectively.

While the ombudsman cannot overrule or overturn decisions, the Ombudsman examines the facts to determine fairness and works with you to identify alternatives for systematically addressing the
matter. Recommendations of changes in rules, regulations, and procedures can also be made.

If you have a concern you would like to discuss call the Ombudsman's Office at (425) 352-5238 or 206-543-6028. You can meet with the University Ombudsman and other staff of the office weekdays at the Seattle Campus in 301 HUB (Husky Union Building) and by appointment on the UW Bothell campus.

**Security and Campus Safety**

The mission of the Security and Campus Safety Department is to deliver professional security and public safety services to students, faculty, and staff while they are on campus. We are committed to providing our students with an environment conducive to the pursuit of knowledge. The Department works closely with the Bothell Police Department in providing law enforcement and security for the campus community. Security and Campus Safety Officers patrol the campus on foot, by bicycle, and vehicle. For your safety, Safety Officers offer the campus Safety Escort Program for students, faculty, staff, and visitors to use.

To ensure safety on our busy campus, the 20 mph speed limit and stop signs are strictly enforced. Security and Campus Safety is responsible for all traffic enforcement on campus. Additionally, during high volume traffic periods Safety Officers direct traffic at key intersections to ease congestion. Lastly, Lost and Found property is collected and maintained by the department.
V. Academic Programs

Discover the quality and expertise of the undergraduate and graduate academic programs offered at the University of Washington Bothell.

Business Administration

Bachelor of Arts in Business Administration

The Business Administration program's objective is to develop in students the skills and knowledge that are necessary for success in a dynamic, global economic environment. The Bachelor of Arts in Business Administration program curriculum uses a variety of innovative pedagogical approaches to expose students to the problems they will face as managers and leaders and provides frequent opportunities to study important business institutions. Students can choose to pursue the program at one of two locations: the Bothell campus or its Eastside Leadership Center (ELC) in Bellevue. Concentrations on the Bothell campus include: Management; Management Information Systems; Marketing; Technology and Innovation Management; and Finance. The Bothell program also offers a formal Accounting Option. Concentrations at the ELC in Bellevue include: Entrepreneurship, Finance and International Business. The Business Administration program places a high priority on the integration of theory and practice and complements its emphasis on relevance in teaching with an emphasis on research. The broad diversity and sophistication of the business community in the University of Washington Bothell service area help to make this relevance and interaction sustainable.

Master of Business Administration

The Business Administration Program at the University of Washington Bothell is accredited by AACSB (Association to Advance Collegiate Schools of Business) and offers two MBA programs, the Technology MBA (TMBA) Program at Bothell and the Leadership MBA (LMBA) Program at Bellevue.

The two MBA programs combine leading-edge management theory with practical tools for analysis and problem solving in a team-based environment. Courses emphasize case studies and projects that challenge students to apply and extend what they learn in class to real-world business situations. The MBA programs are taught by nationally-recognized graduate faculty and attract top-notch students from a variety of industries. Both programs are designed as cohort programs for working professionals and can be completed in 22 months.

The Technology MBA Program offered at Bothell is designed for professionals who envision becoming leaders in technology-centered enterprises. The TMBA Program enables students to develop the management and intrapreneurship skills needed to create innovative high-growth businesses within established organizations, and the entrepreneurship skills needed for new start-up businesses.

The Leadership MBA Program at Bellevue is designed for aspiring leaders from diverse functional backgrounds and a wide range of industries such as banking, healthcare, insurance, law, manufacturing, gaming, online services, and software. The LMBA Program enables students to develop the analysis, problem-solving, communication and team work skills necessary to maximize their leadership potential by working with mentors and leadership coaches.

Computing & Software Systems

Bachelor of Arts in Applied Computing

The Bachelor of Arts in Applied Computing (BAAC) focuses on the application of computer technology to non-computing fields. Students in the Applied Computing degree get a broad view of computing by taking a common core of classes that concentrate on computing, software engineering, management, communications, and knowledge of hardware and operation systems. The elective courses serve to create a unique hybrid degree in computing and another field of study that allows students to concentrate on an application domain.

Students completing the Bachelor of Arts in Applied Computing have the option of completing a minor or cluster of courses related to a topic of interest. With guidance from an advisor, students implement
a working knowledge of their computing skills within the context of their field of interests.

**Bachelor of Science in Computing & Software Systems**

The Bachelor of Science in Computing and Software Systems (BSCSS) degree is a computer science degree that places a greater emphasis on software engineering concepts that would be found in a more traditional computer science degree. Students gain essential knowledge in object-oriented programming, data structures, analysis of algorithms, software engineering, management principles, hardware architecture and operating systems. Graduates of the CSS program are prepared for employment, graduate education, and life-long learning in this dynamic field. As a student nears completion of the BSCSS, they must enroll in a 10-credit capstone course. CSS 497 Cooperative Education consists of a final project that further enhances and exemplifies the experience at the University of Washington Bothell.

For those students already working in software applications, this program offers a strengthening and refinement of skills in technical programming, written and oral communication, project management and software design.

**Master of Science in Computing & Software Systems**

The Master of Science in Computing & Software Systems at UW Bothell partners advanced studies in computer science with detailed analysis of software engineering methodologies. By coupling theoretical computing concepts with real-world problems, students develop the breadth of skills necessary to succeed in today’s competitive software profession.

Supported by the collaborative and personal learning environment at UW Bothell, students gain the expertise and confidence to drive innovative changes within their industry. Our graduates will find opportunities for rewarding positions and advanced career opportunities in sectors such as software development, biotech, medicine, aerospace, entertainment, and finance.

**Education**

**Master of Education**

The Master of Education degree is designed for practicing educators who seek further professional development and growth. Coursework leading to a Reading endorsement or National Board Certification may be taken within the framework of the Master of Education.

Students in the Master of Education program work toward accomplishing professional goals at the classroom, school or community levels. The ideal candidates for this program are people committed to energizing their teaching and to building collegial relationships with other professionals who share common goals, commitments and professional questions.

**K-8 Teacher Certification**

The innovative K-8 Teacher Certification program engages students in university coursework integrated with field experiences in several school districts. As members of a cohort, professional relationships and professional growth are nurtured as students engage in program activities. The Education Program offers two teacher certification options that lead to endorsements in elementary education and/or middle level Math/Science and Humanities.

**Interdisciplinary Arts and Sciences**

**Bachelor of Arts**

The Interdisciplinary Arts and Sciences program offers eight Bachelor of Arts degrees (American Studies; Community Psychology; Culture, Literature, and the Arts; Environmental Studies; Global Studies; Interdisciplinary Arts; Science, Technology and Society; and Society, Ethics, and Human Behavior) and two options within the Interdisciplinary Studies major (Individualized Study; Median and Communication Studies). These majors and options allow students to specialize in an area of interest
without losing sight of the linkages among different ways of knowing and engaging the world.

Interdisciplinary Arts and Sciences (IAS) degrees focus on four core learning objectives: critical thinking; collaboration and shared leadership; interdisciplinary research; and writing and presentation. These learning objectives are developed and documented through the IAS degree portfolio process, a process that begins with the program core course and concludes with a capstone course.

IAS emphasizes these learning objectives because they allow students to hone their abilities in writing, speaking, quantitative reasoning and information literacy. These skills position students to participate in workplace and civic leadership in a democratic society, to enrich their personal lives and their communities and to appreciate and care for the natural environment.

**Bachelor of Science in Environmental Science**
The Bachelor of Science in Environmental Science prepares students to address environmental challenges facing the world today. Environmental Science students develop the depth of scientific understanding, interdisciplinary perspectives, and creative problem-solving skills needed to design and bring about solutions to these problems at local, regional, and global scales. Through community-based projects ranging from wetlands restoration and conservation planning to analyses of regional air and water pollution, students gain practical experience and make a positive difference while they are still in school.

Like all Interdisciplinary Arts and Sciences (IAS) degrees, the Bachelor of Science in Environmental Science focuses on four core learning objectives: critical thinking; collaboration and shared leadership; interdisciplinary research; and writing and presentation. These learning objectives are developed and documented through the IAS degree portfolio process, a process that begins with the program core course and concludes with the Portfolio Capstone.

**Master of Arts in Policy Studies**
The Master of Arts in Policy Studies is an evening degree program designed for people seeking policy-related careers in the public, private, or non-profit sectors. Students develop the knowledge, abilities, and skills that can affect positive change in our local and global communities. Policy Studies alumni engage in social problem solving, democracy building, community development, policy research, policy analysis, and management.

**Master of Arts in Cultural Studies**
The Master of Arts in Cultural Studies is an evening degree program designed for students who want to develop careers in social, cultural, and arts fields or to pursue further interdisciplinary graduate education across the arts, humanities, and social and natural sciences. Cultural Studies is the first graduate program in the Pacific Northwest, and one of very few programs nationally, to partner the interdisciplinary study of art and culture with a community-based learning network capable of providing students with opportunities to document educational experiences and professional skills suited to their individual career goals.

**Nursing**

**Bachelor of Science in Nursing**
Nursing offers two programs specifically designed for working registered nurses. Both programs are grounded in respect for the clinical expertise that students bring into their studies. The Bachelor of Science in Nursing (BSN) provides an opportunity for registered nurses with an associate degree or hospital diploma to prepare themselves for positions in community health, management, graduate school or for enriching their own nursing practice within the health care system. This program offers a foundation in nursing science, critical thinking, oral and written communication and professional practice. The program provides a clinical practicum experience with populations in community settings and prepares professional nurses to be active participants and leaders in the changing health care environment. Students are admitted in both summer and autumn quarters for full or part-time study which can be completed in a minimum of 4-5 quarters taking 2-3 courses each term.
Master of Nursing
The Master of Nursing is an advanced nursing program that prepares graduates for population-focused leadership roles across a variety of settings. A cohort of professional nurses is admitted each fall to attend courses on a part-time basis on Fridays for a period of two to three years taking 3-6 credits per quarter. Coursework includes philosophy and theoretical foundations for advanced practice, leadership, policy, program development, and diversity in the workplace.

Center for University Studies and Programs

The Discovery Core
The UW Bothell Lower Division Experience
The Discovery Core, a required year-long sequence of courses, focuses on the learning goals of critical and creative inquiry, social responsibility, interdisciplinarity, and communication skills in order to build a strong student-centered learning community across the campus. While you will certainly learn about biology and business, mathematics and literature, writing and physics, psychology and sociology, computer science and philosophy, you will explore them not as isolated subjects, but, instead, as they interact with one another in a coherent and dynamic curriculum. The curriculum is centered around integrated and interdisciplinary courses that include either a 5 credit or a team-taught 10 credit Discovery Core in the fall, a 5 credit Discovery Core in the Winter, and a 5 credit “Research and Experiential Learning” Discovery Core in the spring, which is organized around the construction of a portfolio that reflects on the past year and projects out toward your future.

Transfer students, like the First Year students, enroll in electives in math, science, writing, literature, philosophy, psychology, the arts, law, economics, and other areas that fulfill UW distribution requirements for graduation and prerequisite admission requirements to all the UWB majors. All of the courses administered by CUSP serve to educate students for the 21st century workforce, lay the groundwork for major and advanced degrees, and prepare students to become active participants in our rapidly changing world.
VI. Policies and Procedures

Registration

Full-time Requirements
You should register for 12 or more credits to be considered full-time if you are an undergraduate student. If you are a graduate student, you should register for 10 or more credits. It is important to note that differing criteria and standards for full-time enrollment exist for eligibility in certain programs. Consult the Financial Aid Office for its requirements on satisfactory student progress. To be classified as a half-time student by the University, an undergraduate must register for and complete at least 6 credits per quarter. A graduate student must register for and complete 5 credits per quarter.

Class Attendance
If you do not attend regularly scheduled class meetings during the first week of the quarter, you are subject to being dropped at the discretion of the program to allow enrollment space for other students. Do not assume that departments will automatically drop you from the course if you do not attend. If you are not going to go to class, you should drop the course on MyUW. Students who are registered for a course but do not attend will be assigned a failing grade by the instructor. You may not attend a University course in which you have not been officially registered after the first two weeks of the quarter.

Using MyUW to register
Students register on-line through MyUW, myuw.washington.edu. MyUW provides the following registration functions: immediate registration in course sections, course adds, course drops, lists alternative sections available if the requested sections are closed or canceled, reports the open/closed status of specific course sections, provides a listing of the student's confirmed registration schedule, tuition balance, financial aid status, date, and amount of last payment.

Students have found MyUW to be an easy and quick way to review their transcript, registration record, student account, and address information. You may check and print copies of this information from any PC or Mac that has Web access.

Registration tampering
A students who tampers or attempts to tamper with the registration records of another student, including but not limited to dropping and adding courses, may be subject to disciplinary sanctions as defined in the Student Conduct Code (WAC 478-120).

Registration Abuse
Web registration is a personal service. The use of robots and other automated tools to submit registration requests is expressly forbidden.

Registration Eligibility
Newly admitted students and students readmitted to the same or a new classification (e.g., undergraduate, post-baccalaureate, graduate), or admitted to a different University campus, are eligible to register in Registration Period II after their enrollment confirmation deposit has been received.

Continuing UW Bothell students who remain in good academic standing are guaranteed the opportunity to register each quarter at the same University campus as long as they maintain continuous enrollment (excluding Summer Quarter), or fall within the guidelines of the quarter-off policy. Continuation must be in the same classification (e.g., undergraduate, post-baccalaureate, graduate) and at the same campus. After a student has earned a baccalaureate degree, he or she must apply for readmission as a post-baccalaureate, non-matriculated, or graduate student. Any student wishing to enroll at a different University of Washington campus must apply for admission to that campus.

Exceptions to the guarantee of registration eligibility include students under disciplinary action, students with a financial hold on their records, and students not meeting their departmental or University satisfactory progress policies. Additionally, continuing students who withdraw during the first week of two consecutive quarters (Summer Quarter not included) will not be
eligible to register as continuing students for the third quarter and must reapply as former students returning to the University. If an undergraduate does not enroll for two or more quarters, he or she must file an application for readmission with the Division of Enrollment Management Office of Admissions.

Cross-Campus Registration

All students enrolled at one UW campus may register for courses at another UW campus on a space-available basis, starting on the first day of Registration Period 2 for Autumn, Winter and Spring quarters. In Summer quarter, cross-campus enrollment is allowed in Periods 1 as well.

Freshmen must earn a minimum of 25 credits at UW campuses before cross campus registration is permitted. All other students must earn a minimum of 15 credits at UW campuses before cross campus registration is permitted. Non-matriculated students are also not allowed to enroll cross-campus. This includes non-matriculated students taking courses under the staff or Washington State tuition exemption. Students may not be admitted and enrolled at separate campuses simultaneously. Double degrees or majors will not be permitted to cross campus lines, and majors will be restricted to a single campus. However, students who earn a minor at the alternate campus may have that minor recorded with the degree on the transcript at graduation.

A maximum of 45 credits earned through cross-enrollment may count toward a bachelor's degree. (Graduate students are limited to 12 credits.) This restriction is not monitored, so there is no restriction to the number of credits a student may complete by cross-enrollment; only to the number that may count toward a degree. If there are excess cross-enrollment credits, the department adviser should note this on the application for graduation. DARS is not programmed to know at which campus courses are completed, so a DARS audit will not point out excess cross-enrollment credits.

Note that this 45-credit limit applies only to credits taken at one UW campus while enrolled at another. A student who attends one UW campus and then is admitted to another UW campus may count toward a bachelor's degree any number of credits transferred from the first UW campus to the second (see below).

Credits completed at all UW campuses are posted on the student's transcript as UW credit. Which campus offered the course can be determined by the department abbreviation; each campus has its own set of abbreviations, and none are shared. The campus at which the student was enrolled in a given quarter can be determined by the student's major code that quarter; again, each campus has its own set of abbreviations.

Cross-Campus Enrollment Administrative Details

- The home campus is responsible for administrative and disciplinary issues.
- Hardship withdrawal petitions for all courses will be reviewed by the student's home campus.
- Student activity fees are credited to the student's home campus. Students are eligible for student activity fee-supported services only at their home campus.
- Only Seattle-campus students are eligible to participate in intercollegiate athletics.

Restrictions on Attending Classes

No person, other than a faculty member attending informally with the approval of the instructor, may attend a University course in which that person has not been registered.

An instructor may allow a student to attend his or her class only if the student's name is on the official class list from the Office of the Registrar. An unregistered student may attend through the fourteenth calendar day of the quarter, if the student is on an official wait list for the course.

Quarter-Off Policy

Undergraduate students who have completed a quarter at the UW Bothell may take the following quarter off, and remain eligible to register in Registration Period 1 for the subsequent quarter, without reapplication as a returning student. Any quarter from which a student has completely withdrawn, or from which he or she is canceled, does not constitute a completed quarter. Summer
Quarter enrollment is not required to maintain continuous registration eligibility. The quarter-off policy is not available for graduate students. Certain undergraduate programs may require students who do not maintain continuous enrollment to complete an On-leave petition prior to taking a quarter off. Please contact your program office for details.

Dropping a Course

Students dropping a course during the first two weeks of a quarter shall have no entry on their permanent academic transcript. If all courses are dropped, then a "withdrawn" designation is recorded on the transcript.

A course drop made during the third through the seventh weeks of the quarter is recorded on a student's transcript with a W grade and a number designating the week of the quarter in which the course drop was transacted. Only one drop is permitted from the third through the seventh week of the quarter for each academic year (Autumn through Summer quarter).

A student who does not drop a course officially through MyUW or in person at the Office of the Registrar is given a grade of 0.0.

Students receiving or applying for financial aid should check with the financial aid counselor before dropping a class because it may affect financial aid eligibility.

Dropping all courses for the quarter

It is the student's responsibility to withdraw completely if he or she is unable to attend. Students may withdraw through MyUW or at the Office of the Registrar. An official withdrawal is effective the date of the last drop through MyUW, the date it is received in the Office of the Registrar, or if submitted by mail, the date of the postmark.

Tuition owed will be based on the date the complete withdrawal is received. No withdrawals are accepted after the last day of instruction for the quarter.

The tuition forfeiture schedule for complete withdrawal from the University is as follows:

1. Students withdrawing on or before the seventh calendar day of the quarter do not pay tuition.
2. New and returning students forfeit their $100 enrollment confirmation deposit. Students who drop classes between the 8th & 30th calendar days of the quarter receive a refund of one-half of the tuition reduction associated with the drop. This is in addition to the $20 Late Change of Registration Fee.
3. Students who drop classes after the 30th calendar day of the quarter receive no reduction in tuition and will also be charged a $20 Late Change of Registration Fee.
4. The following principles apply to complete withdrawal from the University:
5. Courses dropped as part of a complete withdrawal from the University during the first two weeks of a quarter are not recorded on the student's UW transcript; however, the date of the complete withdrawal is recorded.
6. Students are required to turn in their student identification cards when they withdraw from the University and are not eligible to continue using University services or facilities after their withdrawal.
7. A recipient of veteran's benefits should immediately notify the Veterans Benefits Coordinator of withdrawal.
8. A student with a scholarship or loan awarded through the University should notify the Financial Aid Counselor of withdrawal.

Hardship Withdrawal

Hardship withdrawals may occur after the second week of the quarter. A student may file a petition with the Office of the Registrar for a hardship withdrawal, if the student is unable to complete a course because of a severe mental or physical disability, or because unusual or extenuating circumstances, beyond the student's control, prevented the student from dropping the course by the drop deadline. Hardship withdrawal forms are available in the Office of the Registrar.

Satisfactory Progress

If a student is pursuing a baccalaureate degree, he is expected to make satisfactory progress toward the
attainment of that degree and is expected to enter a major and graduate after completion of a reasonable number of credits.

The 105-Credit Rule
Undergraduates must declare a major by the time they have earned 105 credits or a hold will be placed on their registration until they either declare a major, or meet with an adviser and receive a pre-major extension.

The 210-Credit rule
The University’s satisfactory progress policy requires students to complete their undergraduate degree programs within 30 credits beyond the minimum required for the degree. Because most degrees require 180 credits, students generally must complete their programs by the time they earn 210 credits.

Grades
Undergraduate Grading System
UW Bothell uses a numerical grading system. Instructors may report grades from 4.0 to 0.7 in 0.1 increments and the grade 0.0. The number 0.0 is assigned for failing work or unofficial withdrawal. Grades in the range 0.6 to 0.1 may not be assigned. Grades reported in this range are converted by the Office of the Registrar to 0.0. Numerical grades may be considered equivalent to letter grades as follows:

Undergraduate Grading Scale

A  4.0 - 3.9
A-  3.8 - 3.5
B+  3.4 - 3.2
B   3.1 - 2.9
B-  2.8 - 2.5
C+  2.4 - 2.2
C   2.1 - 1.9
C-  1.8 - 1.5
D+  1.4 - 1.2
D   1.1 - 0.9
D-  0.8 - 0.7 Lowest passing grade.
E   0.0 Failure or unofficial withdrawal. (No credit earned)
X   No grade has been turned in

The following letter grades also may be used:

N - Indicates that the student is making satisfactory progress and a final grade will be given at the end of the quarter the work is completed. Used only for hyphenated courses (courses not completed in one quarter) and courses numbered 600, 601, 700, 750, and 800.

I - Incomplete grades may be awarded only if the student is doing satisfactory work up until the last two weeks of the quarter. Undergraduate students must not re-register for courses in which they have received an Incomplete, since a grade earned in a repeat course will not be recorded as an Incomplete conversion grade.

To obtain credit for the course, an undergraduate student must convert an Incomplete into a passing grade no later than the last day of the next quarter. An Incomplete, not made up by the end of the next quarter, will be converted to the grade of 0.0 by the Registrar, unless the instructor has indicated, when assigning the Incomplete grade, that a grade other than 0.0 should be recorded, if the incomplete work is not completed. The original Incomplete grade is not removed from the transcript. An instructor may approve an extension of the Incomplete removal deadline by writing to the Graduation and Academic Records Office, no later than the last day of the quarter, following the quarter in which the Incomplete grade was assigned. Extensions, which may be granted for up to three additional quarters, must be received before the Incomplete has been converted into a failing grade.

In no case can an Incomplete, received by an undergraduate, be converted to a passing grade after a lapse of one year.

S - Satisfactory grade for courses taken on a satisfactory/not-satisfactory basis. An S grade is automatically converted from a numerical grade of 2.0 or above for undergraduates. The grade S may not be assigned directly by the instructor, but is a grade conversion by the Office of the Registrar. S/NS graded courses may not be used to satisfy major or general education requirements. S is not computed in GPA calculations.
NS - Not-satisfactory grade for courses taken on a satisfactory/not-satisfactory basis. A grade less than 2.0 for undergraduates is converted to NS. NS is not included in GPA calculations. No credit is awarded for courses in which an NS grade is received.

CR - Credit awarded in a course offered on a credit/no credit basis only, or in courses numbered 600, 601, 700, 750, and 800. The minimum performance level required for a CR grade is determined, and the grade is awarded directly, by the instructor. CR is not computed in GPA calculations.

NC - Credit not awarded in a course offered on a credit/no-credit basis only, or in courses numbered 600, 601, 700, 750, and 800. The grade is awarded directly by the instructor and is not included in GPA calculations.

W - Official withdrawal or drop from a course from the third through the seventh week of the quarter for undergraduates. A number designating the week of the quarter is recorded with the W, when a course is dropped. It is not computed in GPA calculations.

HW - Grade assigned when an undergraduate is allowed a hardship withdrawal from a course after the fourteenth calendar day of the quarter. It is not computed in GPA calculations.

X - An instructor may submit a grade of "X" for a student if, for whatever reason, the student’s grade is not available when the grades for the class are submitted. The student does not receive credit for the course until a numerical grade is turned in. Also, if an instructor has not turned in any grade by the time grade reports are printed, an "X" will be recorded until the grade is submitted. If the instructor never turns in a grade, the X remains on the transcript. The GPA is not affected and no credit is granted.

Nontraditional Grading Options:

Credit/No Credit-Only as a Course Option
With appropriate departmental review and approval, a course may be offered on a credit/no credit-only basis. The standard for granting credit in credit/no credit-only courses, under this option, is the demonstration of competence in the material of the course to the instructor's satisfaction.

Satisfactory/Non-Satisfactory Grading Option
- An undergraduate may earn up to 25 elective credits, of the 180 minimum credits required for graduation, on a satisfactory/non-satisfactory (S/NS) basis. S/NS graded courses may not be used to satisfy major or general education requirements. Each instructor shall report numeric grades to the Registrar, who shall convert satisfactory grades (2.0 or greater) to S, and non-satisfactory grades (less than 2.0) to NS for the student's transcript. S/NS shall not be considered in computation of the grade-point average.
- The student may indicate at the time of registration if she or he elects to take a course on an S/NS basis. The student can change to and from an S/NS option, through the seventh week of the quarter, through electronic registration. There is no limit to the number of S/NS credits that a student can register for in a given quarter. Withdrawal from an S/NS course is subject to the same regulations as for any other course.
- An instructor may not submit an S or NS in a course. S/NS grades shall appear on the transcript only in the event that the student is registered on an S/NS basis.

Grade-point average
The cumulative grade-point average is based solely on courses taken in residence at the University of Washington; this includes some, but not all, courses taken through UW Extension. The UW transcript reflects grades for UW Extension course work that is not residence credit, and the grades for credit by examination. These latter grades do not affect the student’s UW cumulative grade-point average.

Computation of grade-point average
The grade-point average for graduation is computed by dividing the total cumulative grade points by the total credits attempted for courses taken in residence at the University. Grade points are calculated by multiplying the number of credits
by the numeric value of the grade for each course. The sum of the grade points is then divided by the total credits attempted. Courses elected on an S/NS basis are counted as follows: Satisfactory grades are printed on the permanent record as an S and do not count in the quarterly or cumulative grade-point average, but they do count as credits earned toward graduation. Not-satisfactory grades, NS, do not count in the quarterly and cumulative grade-point averages and do not count as credits earned toward graduation.

Example 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Grade</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIS 498</td>
<td>3</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>BIS 300</td>
<td>5</td>
<td>2.9</td>
<td>14.5</td>
</tr>
<tr>
<td>BIS 343</td>
<td>5</td>
<td>3.2</td>
<td>16.0</td>
</tr>
</tbody>
</table>

- Total credits earned toward graduation is 10
- Total graded credits attempted is 13
- Grade-point average: $\frac{30.5}{13} = 2.35$
- The total graded credits attempted, not the credits earned toward graduation, are used in computing the grade-point average.

Example 2:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Grade</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIS 325</td>
<td>5</td>
<td>2.3</td>
<td>11.5</td>
</tr>
<tr>
<td>BIS 463</td>
<td>5</td>
<td>2.9</td>
<td>14.5</td>
</tr>
<tr>
<td>BIS 313</td>
<td>5</td>
<td>I</td>
<td>0.0</td>
</tr>
</tbody>
</table>

- Total credits earned toward graduation is 10
- Total graded credits attempted is 15
- Grade-point average: $\frac{26.0}{10} = 2.60$
- The student attempted 15 credits, but only 10 are graded, because the I is not computed in the grade-point average. If the work in BIS 313 is not made up by the end of the quarter, the "I" will convert to a numeric grade of 0.0, and the grade-point average will be recomputed. When the grade of 0.0 is received, it is computed in the grade-point average, but no credit is awarded toward graduation.

Repeating Courses

With the approval of the academic department offering the course, an undergraduate may repeat a course once. Both the original grade and the second grade are computed in the GPA but credit is allowed only once. Veterans receiving benefits must receive approval from the Office of Special Services before a course is repeated.

Courses considered to have been taken once include any with a numerical grade or those with grades of I, CR/NC, or S/NS. Withdrawn or dropped courses and courses with X or no grade reported will not count as the first taking of a course. If you are currently enrolled in a course, registration for the same course in the following quarter will be counted as a repeat registration.

Departments may restrict undergraduates from repeat registration into courses. Restrictions may include:

- Only allowing registration after Period I
- Only allowing registration after the quarter has begun, or
- Requiring an Entry Code for a repeat registration

A second repeat (taking a class for a third time [or more]) cannot be done using MyUW. A second repeat requires the department to register you into the course. Grades in the third or subsequent takings will not be included in the grade-point average (GPA).

Grading Procedures

Change of Grade: Except in case of error, no instructor may change a grade that he or she has turned in to the Registrar. A student who finds administrative omissions or errors in a grade report must make application to the Registrar for a review, not later that the last day of the student's next quarter in residence, but in no case after a lapse of...
two years. Grades used to meet graduation requirements cannot be changed after the degree has been granted. Time spent in military service is not counted as part of the two-year limitation. Students are not automatically notified of grade changes posted after the first of the quarter.

**Grade Appeal Procedure**
A student who believes he or she has been improperly graded first discusses the matter with the instructor. If the student is not satisfied with the instructor’s explanation, the student may submit a written appeal to the director of the student’s academic program with a copy of the appeal also to the instructor. The director consults with the instructor to ensure that the evaluation of the student’s performance has not been arbitrary or capricious. Should the director believe the instructor’s conduct to be arbitrary or capricious, and the instructor declines to revise the grade, the director, with the approval of the voting members of his or her faculty, shall appoint an appropriate member, or members, of the faculty of that department, to evaluate the performance of the student and assign a grade. The Vice Chancellor of Academic Affairs should be informed of this action.

Once a student submits a written appeal, this document, and all subsequent actions on this appeal are recorded in written form for deposit in a department or college file.

**Grade Reports**
Grades are available through MyUW at the end of each quarter.

**University Policy on Student Education Records**
A copy of the University's policy on a student’s right to inspect his or her education records and the University’s responsibility to maintain the confidentiality of such records are available at reference stations on campus (e.g., Office of the Chancellor and Dean, and the Library). Additionally, the policy is summarized in the Time Schedule each quarter.

**Scholarship - Undergraduate Level**

**Academic Standards**
Students are expected to meet the traditional standards of honesty and truthfulness in all aspects of their academic work at UW Bothell. In particular, all work submitted to an instructor in fulfillment of course assignments, including papers and projects, written and oral examinations, and oral presentations and reports, must be free of plagiarism. Plagiarism is using the creations, ideas, or words of someone else without formally acknowledging the author or source, through appropriate use of quotation marks, references, and the like. Student work in which plagiarism occurs will not ordinarily be accepted as satisfactory by the instructor and may lead to disciplinary action against the student submitting it. Any student who is uncertain whether his or her use of the work of others constitutes plagiarism should consult the course instructor for guidance before formally submitting the course work involved.

**Low Scholarship**

**Academic Warning**
An undergraduate student whose grade-point average falls below 2.00 in his or her first quarter at the University, receives an academic warning. If a cumulative grade-point average of at least 2.00, for courses earned in residence at the University, is not achieved by the end of the next quarter, he or she is placed on academic probation.

**Probation and Dismissal for Low Scholarship**
An undergraduate student is placed on academic probation at the end of any quarter (except for the first quarter at the University, when an academic warning is issued), in which his or her cumulative grade-point average falls below 2.00. Once on probation, the student must attain at least a 2.50 for each succeeding quarter’s work, until the cumulative grade-point average is raised to a 2.00, or the student is dropped for low scholarship.

**Reinstatement**
A student who has been dropped under low scholarship rules will be readmitted to the University upon review of a reinstatement petition submitted to their program office. A student readmitted, after being dropped under these rules, reenters on academic probation. The student's grade-point average is the same as when dropped from the University, and the student may not use grades from other colleges or universities to raise his or her UW grade-point average. A readmitted student...
student is dropped if he or she fails to attain either a 2.50 grade-point average for the following quarter’s work, or a cumulative UW grade-point average of 2.00 at the end of that quarter. The student is removed from probation at the end of the quarter in which a cumulative grade-point average of 2.00 or better is reached.

**Senior in Final Quarter**
A senior who has completed the required number of credits for graduation, but whose work in what would normally be his or her final quarter places him or her on probation, does not receive a degree until removed from probation.

**High Scholarship**

**Quarterly High-Scholarship List**
The quarterly high-scholarship list includes the names of matriculated undergraduate students who have attained a quarterly grade-point average of 3.50 in the final grades for at least 12 graded credits. Appropriate high-scholarship entries are made on the student’s permanent academic record.

**Yearly Undergraduate Honors**
The yearly award for high scholarship is received on the academic transcript of students who have achieved the following:

- A cumulative grade-point average of 3.50 in at least three quarters of the academic year (Summer, Autumn, Winter, Spring)
- 12 graded credits or more for each of the three quarters, exclusive of Satisfactory/Not Satisfactory (S/NS) and Credit/No Credit-only (C/NC) courses.
- Students who have attended the UW four quarters of the school year (Summer through Spring) must have a grade-point average of 3.50 for each of any three quarters, a minimum of 12 graded credits (exclusive of S/NS and C/NC courses) for each of the three quarters, and a cumulative GPA of 3.50 for the four quarters.

**Certificates of High Scholarship**
Certificates of high scholarship are awarded to students in the sophomore, junior, and senior classes who have high scholastic records for their freshman, sophomore, or junior years, respectively.

The Honors Committee determines the grade-point average required for the awarding of certificates.

**Graduate Grading System**
In reporting grades for graduate students, units that offer graduate degrees use the system described herein. Grades are entered as numbers, the possible values beginning at 4.0 and decreasing by one-tenth increments until 1.7 is reached. Grades below 1.7 are recorded as 0.0 by the Registrar and do not count toward residency, total credit count, or grade and credit requirements. A minimum grade of 2.7 is required in each course that is counted toward a graduate degree. A minimum GPA of 3.00 is required for graduation.

Correspondence between number grades and letter grades is as follows:

**Graduate Grading Scale**

<table>
<thead>
<tr>
<th>Number</th>
<th>Letter</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0</td>
<td>A</td>
<td>2.8</td>
</tr>
<tr>
<td>3.9</td>
<td>A-</td>
<td>2.7</td>
</tr>
<tr>
<td>3.8</td>
<td>B</td>
<td>2.6</td>
</tr>
<tr>
<td>3.7</td>
<td>B-</td>
<td>2.5</td>
</tr>
<tr>
<td>3.6</td>
<td>C+</td>
<td>2.4</td>
</tr>
<tr>
<td>3.5</td>
<td>C</td>
<td>2.3</td>
</tr>
<tr>
<td>3.4</td>
<td>B+</td>
<td>2.2</td>
</tr>
<tr>
<td>3.3</td>
<td>B</td>
<td>2.1</td>
</tr>
<tr>
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<td></td>
<td>2.0</td>
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<tr>
<td>3.1</td>
<td>C</td>
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<tr>
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<tr>
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<td></td>
<td>1.7</td>
</tr>
<tr>
<td>1.6-0.0</td>
<td>E</td>
<td></td>
</tr>
</tbody>
</table>

The following letter grades also may be used:
I - Incomplete. An incomplete may be given only when the student has been in attendance, has done satisfactory work to within two weeks of the end of the quarter, and has furnished proof satisfactory to the instructor that the work cannot be completed, because of illness or other circumstances beyond the student's control. A written statement giving the reason for the incomplete, and indicating the work required to remove it, must be filed by the instructor, with the head of the unit in which the course is offered.

To obtain credit for the course, a student must successfully complete the work by the last day of the next quarter in residence. This rule may be waived by the dean of the college in which the course is offered. In no case may an incomplete be converted into a passing grade after a lapse of two years or more. An incomplete received by a graduate student does not automatically convert to a grade of 0.0, but will remain a permanent part of the student's record.

N - No grade. Used only for hyphenated courses and courses numbered 600 (Independent Study or Research), 601 (Internship), 700 (Master's Thesis), 750 (Internship), or 800 (Doctoral Dissertation). An N grade indicates that satisfactory progress is being made, but evaluation depends on completion of the research, thesis, internship, or dissertation, at which time the instructor or supervisory committee chair should change the N grade(s) to one reflecting the final evaluation.

S/NS - Satisfactory/Not Satisfactory. A graduate student, with the approval of the graduate program coordinator or supervisory committee chair, may elect to be graded S/NS in any numerically graded course for which he or she is eligible. The choice must be indicated at the time of registration or by the tenth day of the quarter. (As with all registration changes, a $20 change fee will be charged beginning the second week of the quarter.) Only in very unusual cases may S/NS grades be converted to numeric grades or vice versa. The instructor submits a numeric grade to the Registrar's Office for conversion to S (numeric grades of 2.7 and above) or NS (grades lower than 2.7).

CR/NC - Credit/No Credit. With the approval of the faculty in the academic unit, any course may be designated for grading on the credit/no-credit basis by notice in the appropriate Time Schedule. For such courses, the instructor submits a grade of CR or NC to be recorded by the Registrar's Office for each student in the course at the end of the quarter. All courses numbered 600, 601, 700, 750, and 800 may be graded with a decimal grade, CR/NC, or N at the instructor's option.

W - Withdrawal. Official withdrawal from a course may be done on MyUW through the second week of the quarter. During the first two weeks of the quarter no entry is made on the permanent academic record. The third week through the seventh week of the quarter, a W, and week designation, is recorded on the transcript. Refer to the Time Schedule after the seventh week of the quarter.

HW - Hardship Withdrawal. Grade assigned when a graduate student is allowed a hardship withdrawal from a course after the second week of the quarter. Unofficial withdrawal from a course shall result in a grade of 0.0.

The grades of W and HW count neither as completed credits nor in computation of the GPA.

Of the minimum number of credits required for a graduate degree, a graduate student must show numerical grades in at least 18 quarter hours of course work taken at the UW. These numerical grades may be earned in approved 400-level and 500-level courses.

The student may petition the Dean of the Graduate School to modify the procedures described above. The petition should be accompanied by comments and recommendations from the graduate program coordinator.

Repeating Courses
With the approval of the academic department offering the course, an undergraduate may repeat a course once. Both the original grade and the second grade are computed in the GPA but credit is allowed
only once. Veterans receiving benefits must receive approval from the Office of Special Services before a course is repeated.

Courses considered to have been taken once include any with a numerical grade or those with grades of I, CR/NC, or S/NS. Withdrawn or dropped courses and courses with X or no grade reported will not count as the first taking of a course. If you are currently enrolled in a course, registration for the same course in the following quarter will be counted as a repeat registration.

Effective winter quarter 2005, departments may restrict undergraduates from repeat registration into courses. Restrictions may include:

- Only allowing registration after Period I
- Only allowing registration after the quarter has begun, or
- Requiring an Entry Code for a repeat registration

A second repeat (taking a class for a third time [or more]) cannot be done using MyUW. A second repeat requires the department to register you into the course. Grades in the third or subsequent takings will not be included in the grade-point average (GPA).

Continuation or Termination of Students in the Graduate School

Admission to the Graduate School allows students to continue graduate study and research at the University of Washington, only as long as they maintain satisfactory performance and progress toward completion of their graduate degree program. The definition of satisfactory performance and progress toward completion of the degree program may differ among degree offering units; therefore, it is imperative that each graduate unit has these requirements in writing and distributes them to each graduate student. The following information should be included:

1. General expectations for graduate student performance, within the academic unit, including, but not limited to, required coursework and length of time allowed for completion of various phases of the program.

2. The identification of persons in departments, colleges, schools, and groups who are responsible for both the evaluation of graduate student progress and for informing students about the fulfillment of these requirements, and when such evaluations are to be made.

3. Criteria by which performance and progress are to be evaluated, including areas which may or may not be negotiated.

4. Under what circumstances the graduate unit will recommend to the Dean of the Graduate School the alteration of a student’s standing—i.e., conditions that warrant warn, probation, and final probation (see Suggested Guidelines for Change of Status Action), and length of time the academic unit will tolerate low scholarship or unsatisfactory performance and progress.

5. Procedures for appealing evaluations recommended to the Graduate School by the graduate program.

Scholarship - Graduate Level

Review Process for Low Scholarship and unsatisfactory Progress

Review of students who maintain a 3.0 grade point average (GPA) is at the discretion of the graduate unit and is expected to be undertaken at least annually. Students whose cumulative or quarterly GPA falls below a 3.0 must be reviewed quarterly and be provided with an explanation of performance expectations and a timetable for correction of deficiencies. Doctoral program students are to be reviewed by their doctoral Supervisory Committee, or by a committee of graduate faculty, in the unit appointed or elected for this purpose, in consultation with the student's Supervisory Committee. Pre- and post-master's students are to be reviewed by supervisory committees, if such committees have been appointed, or by the graduate faculty members who have been designated to oversee such students' programs. See Graduate School Memorandum No. 13, Supervisory Committees for Graduate Students, for an explanation of the role and responsibilities of supervisory committees. In evaluating the student's
performance and progress, all of the following should be reviewed:

1. Grade reports: cumulative and quarterly GPAs computed on those courses taken while the student is enrolled in the University of Washington Graduate School. Computation is based only on courses numbered 400-599; courses graded I, S/NS, and CR/NC are excluded, as are the 600-800 series.
2. Performance during informal coursework and seminars.
4. Any other information relevant to graduate program academic requirements.

A determination of satisfactory performance and progress may be made upon review of the factors indicated above and consideration of the student’s progress relative to other students (part-time/full-time) in the program or to an individually negotiated schedule.

Low Grade Point Average
The Graduate School provides the Graduate Program Coordinator of each degree-offering unit with a quarterly Low Scholarship Report which lists the names of graduate students whose GPA’s fall below 3.0 either cumulatively or for that quarter. Instructions and deadlines for completing the review and transmitting the recommendations are provided with the report.

The Graduate Program Coordinator and the graduate faculty who supervise these students are expected to review the status of each student whose name appears on the low scholarship printout and to transmit to the Dean of the Graduate School a specific recommendation—i.e. no action, warn, probation, final probation, or drop—for each case. Final probation and drop recommendations must be accompanied by a statement which describes the student’s academic problems and provides an explanation for the recommended action by the graduate faculty or supervisory committee involved.

Graduate programs deciding that either "no action" or "warn" is the appropriate action to be taken based on the student’s performance, may initiate contact with the student without such action appearing on the student’s permanent record. The Registrar will record only those actions recommending probation, final probation, and drop.

Unsatisfactory Performance and Progress
To determine satisfactory performance or progress, the following criteria should be used:

1. Performance in the fulfillment of degree program requirements.
2. Performance during informal coursework and seminars.
3. Research capability, progress, and achievements.

When review of a student's performance and progress results in a determination that it has been unsatisfactory, the name of the student and recommendation for action—i.e. warn, probation, final probation, or drop—should be transmitted by the Graduate Program Coordinator or the head of the graduate unit to the Dean of the Graduate School by the appropriate deadline dates. All recommendations of unsatisfactory performance and progress must be accompanied by a well-documented statement of the circumstances involved and evidence that the action requested is supported by the majority of the graduate faculty, delegated representatives, or supervisory committee involved.

Students should receive written notification of this action, which includes information regarding the necessary steps the student must take to maintain their graduate student status in good standing.

Suggested Guidelines for Change of Status Action
Suggested guidelines for determining the action to be recommended for low grade point average or unsatisfactory performance and progress are given below:

No Action
May be recommended for those students whose cumulative GPA is above 3.0, but whose most recent
quarter’s work is below 3.0, if the review has determined that this condition is not cause for immediate concern.

**Warning**

1. May be recommended for those students whose cumulative GPA has dropped slightly below 3.0—i.e. 2.99-2.95
2. May be recommended for those students who have failed to meet expectations for performance and progress as determined by the graduate program.

*Action taken as indicated above will be initiated by the Graduate Program, and reported to the Graduate School, but will not appear on the student’s permanent record. The department is expected to notify each student in writing.*

**Probation**

1. May be recommended for those students who have not corrected the deficiency, which caused the warn action within the time limit specified by the graduate program.
2. May be recommended for those students who depart suddenly and substantially from scholarly achievement as defined by the graduate program (a previous warn recommendation is not necessary).
3. Programs may determine the length of probationary status (the Graduate School recommends no less than one quarter and no more than three quarters of probationary status). Students should be informed of the current program policy regarding the length of the probationary period.

**Final Probation**

1. May be recommended for those students who have not corrected the condition(s) that caused the probation recommendation within the time limit specified by the graduate program.
2. May be recommended for those students who fail to progress toward completion of the graduate program. A student will be carried on final probation status for one quarter before being changed to drop, probation, or some other status.

**Drop**

This is the final action to be recommended. A drop recommendation means immediate drop from the University of Washington. Therefore, this recommendation must be received in the Graduate School soon after the beginning of the quarter following the quarter on which the decision is based.

Recommendations for action on low grade point average or unsatisfactory performance and progress will be reviewed by the Dean of the Graduate School, and students will be informed of a change in status by letter from the Dean.

**Appeals**

Students may appeal change of status as explained above, directly to the Chairperson of the graduate degree granting unit. Appeals beyond this point should follow the process outlined in Graduate School Memorandum No. 33, Academic Grievance Procedure.

Please note: Action is taken for one quarter only. No action will appear on the transcript for any subsequent quarter unless a recommendation is made to the Dean.

**Academic Grievance Procedure**

Graduate students who encounter academic problems related to their academic abilities, but not including evaluation thereof, may seek resolution of their complaints as described below. These policies apply to issues such as faculty, departmental, college or Graduate School policies affecting individual student prerogatives, deviations from stated grading practices (but not individual grade challenges), unfair treatment, and related issues.

Students who believe they have been discriminated against on the basis of race, religion, color, sex, national origin, age, handicap, or status as a disabled veteran or Vietnam-era veteran should refer to the Human Rights Grievance Procedure contained in the University of Washington Operations Manual, D 45.5.

**Informal Conciliation**

The student is encouraged at first to attempt to resolve a grievance with the faculty or staff
member(s) most directly concerned. The director or chairperson of the unit also may be asked to conciliate the grievance. If discussion with the faculty or staff member(s) concerned does not resolve the grievance, the student may request the Graduate School to assist in an informal resolution. If the student is dissatisfied with the informal conciliation, he or she may file a formal complaint with the Dean of the Graduate School.

**Formal Complaint**

Graduate School Academic Grievance Committee: The Dean of the Graduate School shall designate an Associate Dean of the Graduate School to chair the Graduate School Academic Grievance Committee. Each year the Dean shall appoint to the Committee five members of the Graduate Faculty and, from a list of ten nominees provided by the Graduate and Professional Student Senate, five full-time graduate students who are in good academic standing. This committee will constitute the pool from which the chairperson will appoint panels as needed to provide fair and impartial hearings on formal complaints filed with the Dean of the Graduate School.

A formal grievance will be referred to the chairperson of the Graduate School Academic Grievance Committee who shall, within five working days (hereafter, time limitations are stated in working days) of its receipt, designate two faculty and two student members of the Committee to serve as a Hearing Panel. The Committee chairperson/designee shall act as panel chairperson. The student and the faculty or staff concerned shall each have the right to exercise one preemptory challenge against the Panel designees within five days after notification of the names of the designees. If a challenge is made, the chairperson shall designate another faculty or student member to replace the member challenged. All members of the Panel shall have the right to vote upon any matter that may come before the Panel. No member of the Hearing Panel shall be from the department of any of the parties to the grievance.

**Hearing**

When a formal complaint has been filed by a graduate student, the chairperson of the Graduate School Academic Grievance Committee shall distribute a copy of the complaint to each faculty or academic staff person directly involved. The Panel chairperson shall establish a time and place for a hearing to be held no later than 15 days from the date of final determination of the panel membership, unless, for good reason, stated in writing to the complainant and other concerned parties, the Panel chairperson schedules the hearing for a later specified date. The chairperson shall announce the time and place of the hearing to the student, the member(s) of the faculty and staff involved, the dean of the college or school, the chairperson of the department, and all other prospective witnesses. A list of the persons notified will be given to the student and the other individuals directly involved.

Hearings will be conducted in closed session except when and to the extent mutually agreed upon by the student and faculty or staff involved. All parties may present evidence and testimony. Only evidence presented at the hearing will be considered in determining the validity of the complaint. Hearings may be continued from day to day until all evidence has been presented. A written summary of the proceedings will be kept for at least one year and shall include a tape recording of testimony.

Within 15 days after the hearing adjourns, the Panel shall present to the Dean of the Graduate School its report, including findings, conclusions, and recommendations for action. The report will be simultaneously transmitted to the student and to the faculty and staff member(s) concerned.

The Dean of the Graduate School, within 10 days after receipt of the panel report, shall issue his decision as to the action to be taken on the grievance. The Dean’s decision shall include an evaluation of the validity of the grievance and a statement of the action to be taken. Copies of the decision shall be transmitted to the student, the faculty and staff member(s), their chairperson(s), and their deans.

The decision of the Dean shall become final at the close of the seventh day after issuance, unless the student or any other party directly involved files a written request for consideration of the findings by the Provost.
Appeal
When a request for consideration by the Provost has been received, the Dean of the Graduate School shall transmit to the Provost a copy of the decision issued by him, together with the documentation, transcripts or tape recordings of testimony, and other information relevant to the grievance. The Provost shall examine the record and determine that either:

1. There are no procedural irregularities and the decision is fair, in which case he will reject the request, thereby making the decision of the Dean immediately final; or
2. The record reflects some basis for reconsideration, in which case he will remand the matter to the Dean of the Graduate School for appropriate action.

The Provost shall notify the student and the Dean of the Graduate School of his finding within 10 days after receipt of the student’s request.

Graduation Requirements

Graduation - Baccalaureate Level

Filing an application
A UW Bothell student must make an appointment with the program office to complete a written application for graduation. The student should file three quarters before the expected date of graduation. The absolute deadline for filing an application is Friday of the third week of the quarter in which the student intends to graduate.

Because degrees are not automatically awarded when requirements have been satisfied, it is the student’s responsibility to apply for a degree and/or certificate. The student’s application and any supporting documents are processed upon completion of the appointment with the program office.

The application will be signed by the student, program advisor, and UW Bothell Registrar’s Office. If a problem arises, the UW Bothell Registrar’s Office, or the program office, will notify the student. Program advisors should notify the UW Bothell Registrar's Office if a course listed on the graduation application is substituted. If an applicant is ineligible to graduate because of a deficiency, the UW Bothell Registrar's Office will notify the student.

Graduating Senior Priority
Graduating seniors or post-baccalaureate students, may qualify for early registration for the upcoming quarter(s). To qualify, the student must file a graduation application no later than the third Friday of the quarter before they plan to graduate. Students who qualify will receive Graduating Senior Priority status for no more than two quarters prior to graduation. If graduation is postponed, the student may postpone their priority quarter. When Graduating Senior Priority has been used for two quarters, the student will revert to regular senior priority.

Requirements for a Baccalaureate Degree
To graduate, a student must meet University requirements; college, school, or campus requirements; and department or program requirements. This section contains only University requirements. The graduation requirements for particular programs at the UW Bothell campus are explained in the catalog sections devoted to the academic programs.

Scholastic Standards Required
To be eligible for the baccalaureate degree, a student must earn a cumulative grade-point average of at least 2.00 for all work done in residence at the University. The graduation grade-point average is computed when the student has completed all work for the degree and includes only credits earned while in residence at the University.

Credits Required
To be eligible for graduation from the University, with the baccalaureate degree, a student must offer a minimum of 180 academic credits and satisfy all other specific requirements. The University of Washington Bothell has established minimum general education requirements for baccalaureate degrees. These minimum requirements are:

English Composition - 5 credits
Additional Writing - 10 credits (A grade of 2.0 is required)
QSR - 5 credits
NW - 15 credits
VLPA - 15 credits
I & S - 15 credits
Each University of Washington Bothell program has established requirements that meet or exceed these minimum requirements.

Limitation on ROTC Credits
Credits earned in first- and second-year military training courses cannot be counted in the basic 180 credits required for graduation.

Limitations on Physical Education Activity Credits
No more than three physical education activity credits can apply toward a degree.

Final-year Residence Requirement
To be recommended for a first, or subsequent, baccalaureate degree, a student must complete 45 of his or her final 60 credits as a matriculated student in residence at the campus of the University where the degree is being earned. The granting of exceptions to this rule is the responsibility of the dean of the school, college, or campus awarding the degree. If an exception is granted, the student still must present a minimum of 45 credits taken in residence as a matriculated student to be awarded a UW degree.

Catalog for Graduation Requirements
In general, a student graduates under the requirements of the current catalog. However, a student may fulfill graduation requirements noted in the catalog in effect at the time he or she entered the school or college from which he or she is to graduate, provided that (1) not more than ten years have elapsed since the student's entry, and (2) the school, college or campus, and department or program agree that the student may graduate under the earlier requirements.

If the student graduates more than 10 years after enrolling in the school, college, or campus, the current catalog must be used for graduation purposes. Exceptions to this rule cannot be made without official University and Bothell campus approval.

Waiver of Graduation Requirements
A request for waiver of Bothell campus or University graduation requirements must be petitioned to the UW Bothell Academic Affairs Committee, which represents the General Faculty Organization at the University of Washington Bothell. Petition forms are available at the Bothell Office of Student Affairs or the program office and should be filed with the application for the degree or as soon as possible after the need arises. A student should see his or her academic advisor to initiate a petition. As the Academic Affairs Committee meets only periodically, petitions involving University requirements should be filed early in the quarter.

An exemption from an all-University graduation requirement, that is granted by the Academic Affairs Committee, becomes void at the end of two calendar years from the date such exemption is granted, if all degree requirements have not been completed within that period.

Two Majors or Two Degrees
Second Baccalaureate Degree
A second baccalaureate degree may be granted, but a student must earn a minimum of 45 credits beyond the number required for the first degree. These credits usually must be earned in residence, with the granting of exceptions to the residency rule being the responsibility of the college, school, or campus awarding the degree. The student must achieve no less than a 2.00 cumulative grade-point average in the credits required for the second degree.

Students working for a second baccalaureate degree are not registered in the Graduate School, but in the academic division of the University, with jurisdiction over the degree being sought.

Degrees with Two Majors
The student's application for a baccalaureate degree, with two majors at the University of Washington Bothell, must show both majors and be approved by the academic advisors of both
departments or programs. Both majors appear on the student's transcript.

Two Baccalaureate Degrees Concurrently
Two baccalaureate degrees, associated with different majors at the University of Washington Bothell, may be granted at the same time. The total number of academic credits earned must reach a minimum of 45 credits in excess of the number required for the first baccalaureate degree.

Graduation with Honors
Baccalaureate honors are awarded upon graduation to undergraduates earning their first bachelor's degree with at least 90 UW credits, of which at least 60 are numerically graded. Correspondence credits do not count as "UW credits.

These honors have nothing to do with whether the students are in either the departmental or college honors program. In addition, students who have earned quarterly and/or annual Dean's List recognition do not necessarily qualify for baccalaureate honors.

All graduates earning baccalaureate honors are given a gold honor cord to wear in the Commencement ceremony. For students graduating in spring, the honors listed in the commencement program, as well as honor cord distribution, are based upon a student's cumulative GPA as of the winter quarter, since spring grades are not available for this determination. Spring classes are ultimately included in the credit totals and GPA calculations for honors and posted to the student's final record.

The GPA's for baccalaureate honors are set each year for the following year (autumn through summer) by a subcommittee of the Faculty Council on Academic Standards, based on statistics for the current year provided by the Graduation and Academic Records Office. The GPA cutoffs have been different for each of the degree programs. Faculty honor is awarded upon graduation to undergraduates earning their first bachelor's degree and ranked in the top 10% of their respective program. Undergraduates must earn a minimum of 70 graded credits at UW Bothell with the exception of BSN students, who must earn a minimum of 43 graded credits. Undergraduates qualified for baccalaureate honors are not eligible to receive faculty honors.

The GPAs for faculty honors are determined each year for the following year (autumn through summer) by the UW Bothell Registrar's Office, based on statistics for the current year. The GPA cutoffs may be different for each of the degree programs.

All graduates earning faculty honors are given a purple honor cord to wear in the Commencement ceremony and the honor is listed in the commencement program. Honor cord distribution is based upon a student's cumulative GPA as of the winter quarter, since spring and summer quarter grades are not available for this determination. However, spring and summer courses are ultimately included in the credit totals and GPA calculations for honors and posted to the student's final record.

Commencement
Formal commencement exercises are conducted at the close of Spring Quarter. During March of each year, commencement information is sent to each student entitled to participate the following June (i.e., those who graduate the previous December or March and those who anticipate graduating in the current June and August).

Diploma Distribution
Diplomas are available 12 weeks after the end of the quarter in which they are earned.

Graduation - Graduate Level
Requirements for a Graduate Degree
It is the responsibility of each master's candidate to meet the following Graduate School minimum requirements (plus any additional requirements specified by the program in which the master's degree is being earned, see item 7).

1. Under a thesis program, a minimum of 36 quarter credits (27 course credits and a minimum of nine thesis credits) must be presented. Under a non-thesis program, a minimum of 36 quarter credits of course work is required.

2. At least 18 of the minimum 36 quarter credits for the master's degree must be for
work in courses numbered 500 and above. (In a thesis program, nine of the 18 must be course credits and nine may be for 700, master's thesis.)

3. Numerical grades must be received in at least 18 quarter credits of coursework taken at the University of Washington. The Graduate School accepts numerical grades (a) in approved 400-level courses accepted as part of the major, and (b) in all 500-level courses. A minimum cumulative GPA of 3.00 is required for a graduate degree at the University.

4. The residence requirement for the master's degree is one year (three full-time quarters). Students registered for fewer than nine credits per quarter may add part-time quarters together to achieve the equivalent of one full-time quarter (nine or more credits) to be applied toward fulfilling residence requirements. However, excess credits beyond nine may not be subtracted from one quarter and added to another. Once a student is admitted to a graduate degree program, a full quarter of residence is granted for any quarter in which at least nine credits in approved courses, research, thesis, or internship are satisfactorily completed.

5. In a thesis degree program, a thesis, approved by the supervisory committee, must be submitted to the Graduate School. A student must register for a minimum of nine credits of thesis (700). With the exception of summer, students are limited to a maximum of nine credits per quarter of thesis (700).

6. A final oral or written master's examination, as determined by the student's supervisory committee, must be passed.

7. Any additional requirements imposed by the graduate program coordinator in the student's major department, or by the student's supervisory committee, must be satisfied. A master's degree student usually takes some work outside the major department. The graduate program coordinator in the major department, or the student's supervisory committee, determines the requirements for the minor or supporting courses.

8. The graduate student must apply for the master's degree at the Graduate School within the first two weeks of the quarter in which he or she expects the degree to be conferred.

9. The graduate student must maintain registration as a full- or part-time student at the University for the quarter in which the degree is conferred. A student who does not complete all degree requirements by the last day of the quarter must be registered for the following quarter.

10. All work for the master's degree must be completed within six years. This includes quarters spent on leave or out of status and applicable work transferred from other institutions.

11. A student must satisfy the requirements for the degree that are in force at the time the degree is to be awarded.

Graduate Study Policies
The following sections contain detailed information concerning policies and procedures relating to graduate students and graduate studies. See also the sections on Admission, Graduation, and Scholarship for other policies relating to graduate students. Students are advised to verify all information with the graduate program coordinator or appropriate staff.

Graduate Program Coordinator
The graduate student's initial work at the University is guided by the graduate program coordinator in his or her field. The coordinator must be a senior tenured member of the graduate faculty and is the official representative of the academic unit that offers the graduate degree program. The graduate program coordinator maintains familiarity with policies and procedures of the Graduate School and provides overall coordination of graduate activities within the unit.

Graduate Courses
Graduate courses are intended for, and ordinarily restricted to, either students enrolled in the Graduate School or graduate non-matriculated students, and are given numbers from 500 to 800. Some courses at the 300 and 400 levels are open to both graduates and upper-division undergraduates.
Such courses, when acceptable to the supervisory committee and the Graduate School, may be part of the graduate program. The Graduate School accepts credit in approved 300-level courses for the minor or supporting fields only. Courses at the 300 level are not included in the calculation of grade-point average (GPA) and will not apply toward the minimum Graduate School requirement of 18 graded credits for the master's or doctoral degree. Approved 400-level courses are accepted as part of the major as well as minor or supporting fields. Courses numbered 498, and entitled Special Topics and Special Projects, normally are not applicable to a graduate degree program if addressed primarily to introductory content and undergraduate students. Undergraduate research (499) is not accepted as part of the graduate program. Graduate School Memorandum No. 36 offers additional information on graduate courses. With the exception of Summer, students are limited to a maximum ten credits per quarter of any combination of courses numbered 600, 700, or 800.

**Residence**
The residence requirement for a master's degree is one year (three full quarters). Students registered for fewer than ten credits per quarter may add part-time quarters together to achieve the equivalent of one full-time quarter (ten or more credits) to be applied toward fulfilling residence requirements. However, excess credits beyond ten may not be subtracted from one quarter and added to another. Once a student is admitted to a graduate degree program, a full quarter of residence is granted for any quarter in which at least ten credits in graduate course, research, thesis, internship, or dissertation work are satisfactorily completed.

Only courses numbered 400, 500, 600, 700, and 800 can be applied to residence or course credit in the major field for advanced degrees (please see Graduate Courses earlier in this section regarding courses numbered 498 and 499). Courses numbered 300 are not applicable to residence or course credit toward advanced degrees, except when applied by permission of the graduate program coordinator or supervisory committee toward the graduate minor or supporting courses. Courses numbered below 300 are not applicable to residence or course credit for advanced degrees.

**Enrollment Status**

**Final Quarter Registration**
A student must maintain registration as a full- or part-time graduate student at the University for the quarter in which the master's degree is conferred. A student who does not complete all degree requirements by the last day of the quarter must be registered for the following quarter.

**Continuous Enrollment and Official On-leave Requirement**
To maintain graduate status, a student must be enrolled at least on a part-time or on-leave basis from the time of first enrollment in the Graduate School until completion of all requirements for the graduate degree. This includes applying for the master's degree, the passing of the master's final examination, or final examinations, the filing of the thesis or dissertation, and the receiving of the degree. Summer Quarter on-leave enrollment is automatic for all graduate students who were either registered or on-leave the prior Spring Quarter. Failure to maintain continuous enrollment constitutes evidence that the student has resigned from the Graduate School.

A student's petition for on-leave status must be approved by the department graduate program coordinator or alternate no later than the fifth day of the quarter. To be eligible for on-leave status, the student must have registered for and completed at least one quarter in the UW Graduate School and have been registered or on-leave for the immediate previous quarter (excepting Summer). An on-leave student is entitled to use the University Libraries and to sit for foreign language competence examinations, but is not entitled to any other University privileges of a regularly enrolled and registered full- or part-time student. The student pays a nonrefundable fee to obtain on-leave student status covering four successive academic quarters or any part thereof. Please note: Periods spent on-leave are included as part of the maximum time periods allowed for completion of a graduate degree.

**Readmission**
A student previously registered in the Graduate School who has failed to maintain graduate student
status, but who wishes to resume studies, must file an application by the published closing dates, in person, or by mail, for readmission to the Graduate School. If the student is readmitted, registration will occur during the usual registration period. If the student has attended any other institution during the period when not registered at the University of Washington, official transcripts of the student’s work (in duplicate) must be submitted. An application for readmission carries no preference and is treated in the same manner as an application for initial admission. Payment of the application fee is also required.

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**Student Conduct & Responsibility**

The Student Conduct Code for the University of Washington was updated in November 2007 and became effective on December 20, 2007. Each student is held responsible for being knowledgeable about all of the requirements of the University of Washington Student Conduct Code, which can be found at: http://apps.leg.wa.gov/WAC/default.aspx?cite=478-120&full=true.

The UW Bothell community recognizes that when the academic and behavioral conduct of a university is compromised, the quality of the student’s education and the value of the degree are also compromised. Therefore, all members of the University community are committed to vigorously upholding the University of Washington Student Conduct Code (WAC 478-120-010-145) and are encouraged to report suspected occurrences of academic dishonesty or behavioral misconduct.

**How may I file a Disciplinary Complaint Against a Student?**

Any member of the institution may initiate a complaint against a currently enrolled UW Bothell student by completing and submitting a Student Conduct Incident Report to the Office of the Vice Chancellor for Academic Affairs. Complaints must be based on an alleged violation of the rules, regulations, procedures, policies, and standards of conduct that safeguard University functions and protect the rights and freedoms of all members of the academic community. (Refer to WAC 478-120-020 for more information on general and specific instances of misconduct.)

**Complaints Specific to Academic Misconduct**

Faculty members who suspect that academic misconduct has been committed should, in most cases, first attempt to discuss the matter with the student in question. (Note that this is an optional step for the faculty member and not a requirement.) The faculty member should:

1. Notify the student that he or she suspects a violation has occurred. Every reasonable effort should be made to ensure that the student receives this initial communication. (It's advisable to keep a copy of any written notification.)
2. Request that the student meet with him or her to discuss the matter on or before a specified date and time.
3. Following the meeting, send the student a brief written statement summarizing the discussion.
4. In the case of suspected academic misconduct, if no response is received from the student by the date specified by the course instructor, a grade of "0" for that specific assignment may be given by the instructor. If a response is received from the student that does not resolve the matter to the satisfaction of the instructor, and the processes described below are being followed, a grade of "X" should be issued for the course, to be amended when the process is completed.

When discussing the matter with the student, the faculty member will explain how the student’s conduct appears to violate the Student Conduct Code for the University of Washington (WAC 478-120) The faculty member will offer the student the chance to dispute his or her assessment of a suspected violation. This initial discussion has two possible outcomes:

1. The faculty member is satisfied by the student’s explanation that no misconduct occurred, in which case no further discussion or disciplinary action is necessary.
2. The faculty member may immediately move to initiate a complaint when the student admits to the alleged misconduct or the faculty member is not satisfied by the student’s explanation and believes that the student violated the Student Conduct Code. If the timing of an incident of alleged academic misconduct is such that the faculty member must submit grades before there is an outcome to the process, the instructor should assign an "X" for that particular assignment or course grade. The grade may be changed at a later time as or if warranted.

What Happens after a Disciplinary Complaint is Filed?
An administrative hearing officer appointed by the Vice Chancellor for Academic Affairs will review the Incident Report, including any accompanying evidence, and determine whether or not to initiate disciplinary charges against the student(s) named in the report. If charges are warranted, then the hearing officer (known as the Initiating Hearing Officer) will contact the student(s) and schedule a hearing as per the process identified in the Student Conduct Code (refer to WAC 478-120-065). The purpose of the hearing is to provide an opportunity for the student(s) to respond to allegations of misconduct before disciplinary action is taken. The student waives any rights to an informal hearing by his or her failure to attend. All University of Washington students are expected to conduct themselves as responsible members of the academic community. Among the standards of conduct for UW students includes the responsibility to practice "high standards of academic and professional honesty and integrity." WAC 478-120-020(2) (a).

Academic misconduct includes but is not limited to cheating, facilitation, plagiarism, and fabrication in connection with any exam, research, course assignment, or other academic exercise that contributes, in whole or in part, to the satisfaction of requirements for courses or graduation. The following definitions, while not exhaustive, are intended to provide examples of the types of activities that can give rise to a charge of academic misconduct.

Cheating: Giving or receiving unauthorized assistance, or intentionally using or attempting to use unauthorized materials or information.

Examples include but are not limited to:
- Copying from another student.
- Using unauthorized study aids or "cheat sheets," or other people's work.
- Altering assignments or exams and submitting them as your own work.
- Offering false excuses in order to gain time extensions.
- Submitting an assignment to more than one class without instructor permission.
- Submitting someone else’s work (e.g., that of a friend or commercial service) as your own.
- Getting someone to take an exam for you or taking an exam for someone else.
- Receiving unauthorized help on an exam or prohibited help on an assignment.

Facilitation: Helping or attempting to help another student engage in academic misconduct.

Examples include but are not limited to:
- Giving unauthorized help on exams or prohibited help on assignments. (Students are often encouraged to work together to help each other learn, but may not do so on exams (unless specifically authorized) or on
any assignments when the instructor indicates otherwise.)

- Giving test or assignment answers to students in the same or another section of the same class after such answers or information have been made available to you but before they have been provided to other students.
- Completing an assignment or exam on behalf of another student.

**Plagiarism:** Using another person’s original words, ideas, or research, including material found on the Internet, in any academic exercise without properly crediting that person.

**Examples include but are not limited to:**
- Failing to cite all sources used.
- Using another author's sentence or phrase structure without proper citation.
- Paraphrasing another author without crediting the author.
- Using another author’s ideas without proper citation (e.g. footnotes, endnotes, etc.).
- Using another's original work (writing, art, music, mathematics, computer code, or scientific work) in whole or in part without crediting that person.
- Stating facts that are not common knowledge without citing the source.

**Fabrication:** Creating false information or data and presenting it as fact.

**Examples include but are not limited to:**
- Making up false quotes, statements, data, or sources.
- Improperly manipulating another's data to support your own theories.
- Citing sources that were not used.
- Misrepresenting your academic accomplishments to instructors or employers.

**Guidelines for Avoiding Academic Misconduct**
The following guidelines are intended to help UW Bothell students make responsible choices involving matters of academic conduct and to help them understand their individual responsibilities and obligations as members of the University community.

Be familiar with the Student Code of Conduct, statements, guidelines, and enforcement procedures provided by the University of Washington and UW Bothell. Those who violate University rules regarding academic honesty are subject to disciplinary sanctions, including suspension and dismissal. Ignorance is no defense.

Be honest at all times and act respectfully toward others. Do not seek unfair advantage over others by cheating, plagiarizing, fabrication, or facilitation.

Encourage others to behave fairly and to respect ethical academic conduct. Accept responsibility by refusing to assist in others’ misconduct and discouraging others from engaging in misconduct. Recognize that you are authorized to report clear cases of academic misconduct when you have witnessed them.

If you are unsure about any part of an assignment, request clarification from the instructor. Failure to understand clear instructions is no excuse for misconduct. When in doubt, always ask!

Make safe assumptions about academic honor: It is your responsibility to understand and follow academic standards for crediting the sources of ideas, information, and phraseology to avoid plagiarizing.

**Equal Opportunity**
The University of Washington reaffirms its policy of equal opportunity regardless of race, color, creed, religion, national origin, sex, sexual orientation, age, marital status, disability, or status as a disabled veteran or Vietnam era veteran. This policy applies to all programs and facilities, including, but not limited to, admissions, educational programs, employment, and patient and hospital services. Any discriminatory action can be a cause for disciplinary action. Discrimination is prohibited by Presidential Executive Order 11246 as amended, Washington State Gubernatorial Executive Orders 89-01 and 93-07, Titles VI and VII of the Civil Rights Act of 1964,

The University of Washington Bothell is committed to providing equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodations, please contact Disability Support Services at least ten days prior to the event at 425.352.5307, TDD 425.352.5303, FAX 425.352.5455, or email dss@uwb.edu.

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Non-Discrimination Policy

The University of Washington Bothell, as an institution established and maintained by the people of the State, is committed as a matter of principle to providing equality of opportunity to all members of the University community. In conformance with Federal and State law, the University shall not discriminate against any person because of race, color, creed, religion, national origin, sex, age, marital status, disability, or status as a disabled or Vietnam era veteran. Discrimination on the basis of sexual orientation is also a violation of this policy.
VII. Baccalaureate Degrees

Bachelor of Arts in Applied Computing

Applied Computing is a multidisciplinary degree that focuses on the application of computing systems within the context of a specific subject or field of study. Students are encouraged to think broadly about the impact of computing and computing systems on our society. In their CSS coursework, students concentrate from an application perspective on software engineering, management, communications, knowledge of hardware and operation systems, and programming. This common core of classes creates a solid foundation of knowledge in computer hardware, programming, and software engineering.

Students combine their CSS coursework with studies in a non-computing subject that is of interest to them. This subject area, called a Minor Elective, can take the form of either an established minor at the University of Washington or an approved cluster of courses that covers a complex subject matter. Subjects for the minor elective need to be both broad in context as well as have depth within their discipline. Current Applied Computing students have chosen from UW Bothell Minors including Business, Policy Studies, and Education. Students who have chosen to pursue a cluster of coursework have focused on broad and challenging subjects such as international relations and biotechnology and society.

Applied computing graduates are experts in integrating computer technology across their minor elective field. To further this goal, all Applied Computing students take part in a final senior seminar, where they integrate their CSS coursework with the courses in their minor elective. Similar to a senior thesis, the Senior Seminar (CSS 496) gives a deeper understanding of the inherent relations between computing and software development and the student’s chosen minor elective.

A new generation of infrastructure is required to promote global collaboration in science, business, manufacturing, medical and health sciences, and government. Graduates with the Applied Computing degree will be expected to combine detailed knowledge of their chosen application area with a practical understanding of modern computing.

Director
Michael David Stiber, Ph.D., 1992, University of California, Los Angeles; computer science

Faculty
William (Bill) W. Erdly, Ph.D., 1991, University of Washington; social/organizational psychology
Munehiro Fukuda, Ph.D., 1997, University of California, Irvine; information and computer science
Charles F. Jackels, Ph.D., 1975, University of Washington; physical chemistry
Alan Leong, M.S.E., 1997, University of Washington; industrial engineering
Clark F. Olson, Ph.D., 1994, University of California Berkeley; computer sciences
John R. Rasmussen, Ph.D., 1972, Dartmouth College; mathematics
Michael David Stiber, Ph.D., 1992, University of California, Los Angeles; computer science
Kelvin Sung, Ph.D., 1992, University of Illinois at Urbana- Champaign; computer science
Carol S. Zander, Ph.D., 1995, Colorado State University; computer science

Adjunct Faculty
Laurie Anderson, Ph.D., 2004, Union Institute and University; cultural ecology
Mark Kochanski, M.S., 1984, Purdue University; economic geology

Admission Requirements

- English Composition (BCUSP 104, 108, 110 - 5 credits of one of these 10 credit courses)
- Advanced English Composition (BCUSP 135)
- CSS 105 or any survey of computing course, CSS 161 or CSE 142, and CSS 162 or CSE 143
- BCUSP 124 or Math 124
- Statistics
- A second composition course or Introduction to Technical Writing

Program Structure

Students entering the AC major Autumn Quarter 2007 and thereafter follow the curriculum outlined below.

REQUIRED CORE COURSES (40 CREDITS)
• CSS 301 - Technical Writing for Computing Professionals
• CSS 342 - Programming and Discrete Mathematics or Mathematical Principles of Computing
• CSS 350 - Management Principles for Computing Professionals
• CSS 360 - Software Engineering
• CSS 421 - Introduction to Hardware Architecture and Operating Systems
• CSS 496 - Applied Computing Seminar

CSS Electives (35 credits)
A maximum of 10 credits are allowed at the 200 level, a maximum of 10 credits of 490 (Special Topics) are allowed, and a maximum of 10 credits of combined 498 & 499 are allowed towards the CSS Electives.

Minor Electives (25 credits) or any other non-computing related Major (or approved course of study)
This must be an approved minor, concentration or major from another department or program. Students may also work with CSS faculty and program advisors to develop custom knowledge domain expertise - subject to departmental approval. If student has a baccalaureate degree in another area, this requirement may be waived.

Graduation Requirements
• 180 or more total credits;
• 90 upper-division credits (300-400 level);
• Completion of the last 45 credits at UW Bothell;
• To graduate, new students entering the AC major Autumn Quarter 2007 and thereafter must earn a grade of 2.0 in any course offered by, or required by, the AC major.
• 15 credits of Visual, Literary, and Performing Arts
• 15 credits of Individuals and Societies

Bachelor of Arts in Business Administration (Bothell and ELC-Bellevue)
Demand by individuals and companies in the local area for a business degree program led UW Bothell to establish the Business Program in 1993. Conversations with regional business leaders resulted in the goal of providing students a strong background in writing, critical thinking, teamwork, and presentation skills. The Business Program expanded the location of its degree program with the launch of the BA in Business Administration at the Eastside Leadership Center in Bellevue in 2010. The ELC-Bellevue program is a fee-based program of the University of Washington. The tuition is $345 per credit for Residents and $667 per credit for Nonresidents.

The Business Program expanded the location of its degree program with the launch of the BA in Business Administration at the Eastside Leadership Center in Bellevue in 2010. The ELC-Bellevue program is a fee-based program of the University of Washington. The tuition is $345 per credit for Residents and $667 per credit for Nonresidents. Registration is administered through partnership with UW Professional and Continuing Education.

The first courses taken for the major at the Bothell campus are five core courses designed to provide students with a strong base of business knowledge in essential fields of study. Students then may choose to complete a formal option in accounting (35), or one of five concentrations (20-25 credits):
• Finance
• Management
• Management Information Systems (MIS)
• Marketing
• Technology and Innovation Management (TIM)

Students who want to select courses to meet their individual goals may elect four business courses instead of a concentration. Two capstone courses complete the major requirements of 55 credits.

The first courses taken for the major at the ELC in Bellevue are nine core courses (45 credits) designed to provide students with a strong base of business knowledge in essential fields of study.
Students then complete eight concentration courses (40 credits) with 20 credits in one of three specialized concentrations:

- Entrepreneurship
- Finance
- International Business

Students who want to select courses to meet their individual goals may select courses from among the concentrations. One capstone course (5 credits) completes the major requirements of 90 credits.

The Business Program emphasizes effective oral and written communication, teamwork in a diverse workforce, entrepreneurial management in high-tech companies, and skills for working in the global business environment. For students already employed in business, the program strengthens and refines critical skills and increases knowledge of the principles and techniques of sound business practice. For those seeking employment, the program offers a foundation for new careers in the rapidly changing regional and international economy.

The mission of the Business Program at UW Bothell is to transform the lives of students and enhance the vitality of the community by providing an exceptional education in a collaborative learning environment characterized by innovative teaching and research in business administration. The Bachelor of Arts degree in Business Administration is fully accredited by AACSB-The International Association for Management Education.

Business Program Office
UW1, Room 381
Phone: 425-352-5394

Director
Sandeep Krishnamurthy, Ph.D., 1996,
University of Arizona; Marketing

Faculty
P.V. Sundar Balakrishnan, Ph.D., 1988, University of Pennsylvania; Marketing
Allan Boss, Ph.D., 2010, University of Maryland; Organizational Behavior & Entrepreneurship
Keji Chen, Ph.D., Ohio State University; Accounting

Paul Collins, Ph.D., 1986, Rutgers University; Technology and Innovation Management and Organization and Management Theory
Walter Freytag, Ph.D., 1981, Pennsylvania State University; Industrial & Organizational Psychology
Ben Galvin, Ph.D., 2010, Arizona State University; Business Administration, Concentration: Management – Organizational Behavior
John Godek, Ph.D., 2003, University of Michigan; Marketing
Juan Camilo Gomez, Ph.D., 2003, University of Minnesota; Economics
Lorna Hardin, Ph.D., 2009, University of Pittsburgh; Accounting
Timothy Hargrave, Ph.D., 2005, University of Minnesota; Organizational Management
Manuela Hoehn-Weiss, D.B.A., 2006, Boston University; Strategic Management
Steven Holland, Ph.D., 1983, Michigan State University; Economics and Finance
Walter Hutchens, J.D., 1999, Washington University; Law
Ufuk Ince, Ph.D., 2000, Georgia State University; Finance
Deanna Kennedy, Ph.D., 2009, University of Massachusetts, Amherst; Management Science
Tayfun Keskin, Ph.D., 2010, University of Texas at Austin; Information, Risk, and Operations Management (info. Systems concentration)
Kevin Laverty, Ph.D., 1993, University of California, Los Angeles; Business Policy and Organizational Studies
Alan Leong, M.S.E., 1997, University of Washington; Process Management
Valerie Li, Ph.D., 2010, University of Washington Seattle; Accounting.
Alison Lo, Ph.D., Duke University; Marketing
James M Miller, Ph.D., 1992, Purdue University; Finance
Peter Nye, Ph.D., 1992, Duke University; Marketing
Surya Pathak, Ph.D., 2005, Vanderbilt University; Interdisciplinary Management of Technology
Gowri Shankar, Ph.D., 1991, Syracuse University; Finance
James Reinnoldt, M.B.A., 1981, American Graduate School of International Management; International Business and Marketing
Ronald Tilden, M.B.A., 1988, University of Washington; Finance
Admission Requirements

- A minimum of 80 quarter credits.
- A cumulative grade point average (GPA) of 2.5 or higher.
- Two years of a single foreign language in high school or two quarters of a single foreign language in college.
- Courses in advanced composition, statistics; calculus; introduction and fundamentals of financial accounting; managerial accounting; microeconomics; macroeconomics; introduction to law or business law; 10 credits of English Composition; 15 credits of Natural Science (The Natural World); 15 credits of Humanities (Visual Literary and Performing Arts); 20 credits of Social Science (Individuals and Societies).
- **Writing Skills Assessment (WSA)**
  Applicants to the Business Administration program are required to complete an assessment of their writing and critical thinking skills (WSA) prior to application. Information on the test, test dates, and registration are the Business Program our website.

If you took the SAT W after March 2005, you may submit your score in place of the Writing Skills Assessment.

Graduation Requirements

- Completion of 90 credits or more at the upper-division level (300-400).
- Completion of at least 55 credits in business, with a minimum of 40 at UWB.
- Transfer courses must be upper-division and approved by the program. Contact advisor for policy.
- 45 of the final 60 credits must be completed in residence at UW Bothell.
- Completion of a minimum of 180 credits.
- Achieve a minimum grade of 1.7 in every business course at UWB.
- Achieve a cumulative UW GPA of 2.0 or higher.
- Completion of all university and Business Program admission and graduation requirements.

Bothell Program Structure

### Summary of Credits:

<table>
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<tr>
<th>Business Administration</th>
<th>Credits</th>
<th>BA – Accounting Option</th>
<th>Credits</th>
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<td>Business Electives/Concentration</td>
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<tr>
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</tbody>
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1. **Required Business Core (25 Credits)**
   - Management of Organizations/Teamwork Skills – BBUS/BBSKL 300
   - Managerial Economics - BBUS 310
   - Introduction to Marketing Management - BBUS 320
   - Operations and Project Management - BBUS340
   - Business Finance - BBUS 350

2. **Capstone (10 Credits)**
   - Business Policy and Strategic Management - BBUS 470
   - Global Environment of Business - BBUS 480

3. **Interdisciplinary Arts and Sciences Electives (15 Credits)**
   300-400 level classes offered in the Interdisciplinary Arts and Sciences Program at UWB or approved comparable upper-division transfer courses.

4. **General Electives (15-20 Credits)**
   Any 300-400 level classes from business, liberal studies, computing, education and health classes offered through nursing. A second business concentration may be completed.

5. **Concentrations (20-25 Credits): Finance (20)**
   - Financial Policy and Planning - BBUS 451
• Financial Institutions and Markets -BBUS 453
• Investments - BBUS 454

Plus one approved elective such as:
• Intermediate Accounting I – BBUS 361
• Management Accounting & Control Systems - BBUS 373
• Futures & Options – BBUS 455
• Special Topics in Finance -BBUS 459
• Applied Financial Accounting (No credits awarded for Accounting Option Students) – BBUS 465
• Special Topics in Business (When approved for concentration) – BBUS 490
• Business Consulting – BBUS 491

Management (20)
• Managing Employees - BBUS 472
• Leadership and Decision Making - BBUS 473

Plus two approved electives, such as:
• Information Management & Analysis – BBUS 330
• Work Motivation & Performance – BBUS 401
• Managing Work Teams – BBUS 402
• Business Project Management – BBUS 441
• Entrepreneurship Seminar – BBUS 443
• Product Development Lab – BBUS 444
• Business, Government & Society – BBUS 461
• Negotiations & Conflict Management – BBUS 462
• Entrepreneurial Management – BBUS 471
• Managing Innovation – BBUS 475
• New Technology & Future Markets – BBUS 476
• Human Resource Management – BBUS 477
• Special Topics in Management (When approved for concentration) – BBUS 479
• Special Topics in Business (When approved for concentration) – BBUS 490
• Business Consulting – BBUS 491

Marketing (20)
• Marketing Research - BBUS 423
• Marketing Management Lab - BBUS 438

Plus two approved electives such as:
• Consumer Marketing – BBUS 421
• International Marketing – BBUS 426
• Special Topics in Marketing – BBUS 429

Plus one approved elective, such as:
• Electronic Marketing –BBUS 431
• Business, Government & Society – BBUS 461
• Negotiations & Conflict Management – BBUS 462
• New Product Marketing – BBUS 464
• Entrepreneurial Management – BBUS 471
• New Technology & Future Markets – BBUS 476
• Special Topics in Business (When approved for concentration) – BBUS 490
• Business Consulting) – BBUS491

Management Information Systems (25)
MIS students need a computer programming class equivalent to CSS 161 before starting the MIS concentration. See Business Advisor for list of courses that apply.

Plus one approved elective, such as:
• 431 Electronic Marketing – BBUS 431
• 443 Entrepreneurship Seminar – BBUS 443
• 444 Product Development Lab – BBUS 444
• 479 Special Topics in Management (When approved for concentration) – BBUS 479
• 491 Business Consulting – BBUS 491
• Business of Computing – CSS 371
• Database Systems - CSS 475
• Usability & User-Centered Design – CSS 478
• Principles of Human-Computer Interaction - CSS 480
• E-Commerce Application Development - CSS 490

Plus two approved electives such as:
• Information Management and Analysis -BBUS 330
• Fundamentals of Programming Theory & Applications - CSS 341
• Software Engineering - CSS 360
• Digital Business Lab - BBUS 489

Technology and Innovation Management (20)
• Managing Innovation - BBUS 475
• New Technologies and Future Markets - BBUS 476

Plus two approved electives such as:
• Information Management & Analysis – BBUS 330
• Special Topics in Marketing (When approved for concentration) – BBUS 429
• Electronic Marketing – BBUS 431
• Entrepreneurship Seminar –BBUS 443
- Product Development Lab – BBUS 444
- Entrepreneurial Management – BBUS 471
- Special Topics in Management (When approved for concentration) – BBUS 479
- Special Topics in Business (When approved for concentration) – BBUS 490
- Business Consulting – BBUS 491

### Accounting Option (35)
- Intermediate Accounting I – BUS 361
- Intermediate Accounting II – BBUS 362
- Intermediate Accounting III – BBUS 463
- Management Accounting & Control Systems – BBUS 373
- Federal Income Taxation – BBUS 450
- Auditing Theory & Practice – BBUS 411
- Plus one of the following:
  - Accounting Information Systems – BBUS 435
  - Accounting Practices in Not-for-Profit Organizations – BBUS 449

### ELC-Bellevue Program Structure

#### Summary of Credits:

<table>
<thead>
<tr>
<th>Business Administration</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Core</td>
<td>45</td>
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<tr>
<td>Business Concentration</td>
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<td>/Electives</td>
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<tr>
<td>Capstone</td>
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<td>Transfer Credits</td>
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<td>Total</td>
<td>180</td>
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</tbody>
</table>

#### Required Business Core (45 Credits)
- Management of Organizations - ELCBUS 300
- Business Statistics - ELCBUS 301
- Managerial Economics - ELCBUS 310
- Introduction to Marketing Management - ELCBUS 320
- Information Management and Analysis - ELCBUS 330
- Operations and Project Management - ELCBUS 340
- Business Finance - ELCBUS 350
- Introduction to Organizational Behavior - ELCBUS 381
- Business, Government, and Society - ELCBUS 382

### Concentrations (40 Credits)

#### Entrepreneurship (20)
- Essentials in Venturing - ELCBUS 442
- New Venture Ideas - ELCBUS 443
- Venture Feasibility Analysis - ELCBUS 444
- Venture Start-up, Management and Growth - ELCBUS 445

¹Subject to faculty approval

#### Finance (20)
- Financial Policy and Planning - ELCBUS 451
- Financial Institutions and Markets - ELCBUS 453
- Investments - ELCBUS 454
- Futures and Options - ELCBUS 455

#### International Business (20)
- International Environment of Business - ELCBUS 461
- International Marketing - ELCBUS 462
- International Finance and Trade - ELCBUS 463
- History and Globalization¹ - ELCBUS 464

¹Subject to faculty approval

### Capstone (5 Credits)
- Business Policy and Strategic Management - ELCBUS 470

### Minor in Business Administration

*Open to all UW Students*

University of Washington students from all majors may earn a minor in Business Administration at UW Bothell. Students enrolled at UW Seattle and UW Tacoma will be authorized for cross-enrollment in order to pursue the Business minor. Interested students should discuss the feasibility of completing this minor with their major program advisor and a UW Bothell Business Program advisor.

#### Prerequisites
Students must earn a 2.7 cumulative gpa and a 2.7 prerequisite gpa with a minimum grade of 2.0 in each of the following prerequisite courses:
• Microeconomics
• Macroeconomics
• Statistics
• College Algebra (or higher)
• One quarter 200-level Accounting

Students will be admitted to the minor when transcripts showing satisfactory completion of all the prerequisites are provided.

Applying to the Minor
When the prerequisites have been successfully completed, students may contact the Business Program Office to make an appointment with a business advisor. Students will need to submit transcripts showing the required courses. Students must complete all of the prerequisites and be accepted to the minor before taking any business courses at UW Bothell.

Registering
Students who have been admitted to the Business minor may request registration in UW Bothell business courses during registration Period 2 each quarter. A request needs to be sent to a UW Bothell Business Program advisor during registration.

Minor Program Requirements
The Business minor requires the completion of 25 credits of upper-division business courses including:

• BBUS/BBSKL 300 Management of Organizations/Teamwork Skills
• BBUS 310 Managerial Economics
• BBUS 320 Introduction to Marketing Management
• BBUS 340 Operations & Project Management
• Elective - Business Elective at the 300-400 level

Three of the five courses in the Business minor must be completed at UW Bothell. Acceptance of transfer courses needs to be discussed with a UWB Business advisor.

Bachelor of Science in Computing and Software Systems
The Bachelor of Science in Computing and Software Systems (BSCSS) degree features a software engineering based computer science program that stresses computer programming and people-centered software development processes. Students will gain essential knowledge in object-oriented programming, data structures, analysis of algorithms, software engineering, management principles, hardware architecture and operating systems.

The Computing and Software Systems degree is designed for students seeking broad and deep knowledge of the theory, design, and applications of digital computers and software engineering. The BSCSS degree program offers a multidisciplinary approach that will enable students to develop a wide range of competencies needed for success in the dynamic and varied field of software applications. The first year or two are spent on basic work in writing, mathematics, introduction to the fundamental areas of computer science, and electives to broaden the academic background of the student. In the third and fourth year the focus of CSS courses offers a broad range of topics from the theory of computer science and software engineering, to the application of both leading edge and mature technologies.

The CSS Elective courses present a wide range of topics which provide the student the opportunity to develop a solid technical foundation for continued learning of new and complex technologies. There is a wide variety of elective classes including: systems analysis, human factors, object-oriented programming, multi-media, software marketing, software testing and quality assurance, project management, database design and administration, computer simulation, embedded systems, networks, parallel and distributed computing, computational science and scientific computing, expert system, artificial neural networks, and computer vision.

Director
Michael David Stiber, Ph.D., 1992, University of California, Los Angeles, computer science
Faculty
William (Bill) W. Erdly, Ph.D., 1991, University of Washington; social/organizational psychology
Munehiro Fukuda, Ph.D., 1997, University of California, Irvine; information and computer science
Charles F. Jackels, Ph.D., 1975, University of Washington; physical chemistry
Alan Leong, M.S.E., 1997, University of Washington; industrial engineering
Clark F. Olson, Ph.D., 1994, University of California Berkeley; computer sciences
John R. Rasmussen, Ph.D., 1972, Dartmouth College; mathematics
Michael David Stiber, Ph.D., 1992, University of California, Los Angeles; computer science
Kelvin Sung, Ph.D., 1992, University of Illinois at Urbana- Champaign; computer science
Carol S. Zander, Ph.D., 1995, Colorado State University; computer science

Adjunct Faculty
Laurie Anderson, Ph.D., 2004, Union Institute and University, cultural ecology
Mark Kochanski, M.S., 1984, Purdue University; economic geology

Admission Requirements
- English Composition (BCUSP 104, 108, 110 - 5 credits of one of these 10 credit courses)
- Advanced Composition (BCUSP 135) or Introduction to Technical Writing
- CSS 161 or CSE 142 and CSS 162 or CSE 143
- BCUSP 124 or Math 124 and BCUSP 125 or Math 125
- Statistics

Program Structure
Students entering the CSS program Autumn 2006 and thereafter follow the curriculum outlined below.

Required Core Courses (40 Credits)
- CSS 301 - Technical Writing for Computing Professionals
- CSS 342 - Programming and Discrete Mathematics or Mathematical Principles of Computing
- CSS 343 - Data Structures & Algorithms
- CSS 350 - Management Principles for Computing Professionals
- CSS 360 - Software Engineering
- CSS 370 - Analysis & Design
- CSS 422 - Hardware & Computer Organization
- CSS 430 - Operating Systems

CSS Electives (25 credits)
A maximum of 10 credits are allowed at the 200 level, a maximum of 10 credits of 490 (Special Topics) are allowed, and a maximum of 10 credits of combined 498 & 499 are allowed towards the CSS Electives.

Cooperative Education (10 Credits)
Cooperative Education (CE) is the title for CSS 497, the final core requirement and the program capstone course for advanced CSS students. The scope and nature of each project will require students to integrate and apply their knowledge in a "real world" setting. Students complete 10 credits (400 hours) of Cooperative Education in their final quarter(s). Students learn by connecting classroom theory and community-based experience through the completion of an academic project. Project options consist of internships, research with faculty, individual projects, or group projects.

Electives (15 Credits)
300 or 400 level classes

Graduation Requirements
- 180 or more total credits;
- 90 upper-division credits (300-400 level);
- Completion of the last 45 credits at UW Bothell;
- To graduate, new students entering the CSS program Autumn 1999 and thereafter must earn a grade of 2.0 in any course offered by, or required by, the CSS program.
- 15 credits of Visual, Literary, and Performing Arts
- 15 credits of Individuals and Societies

Minors
Students on the Seattle and Tacoma campuses need to follow guidelines for cross-enrollment.

The purpose of the CSS and IT minors is to provide opportunities to students from non-technical disciplines to supplement their major with a
practical set of courses focused on information technology. The minor should prepare a student for a variety of industrial, government and business positions involving computer use.

Application Procedures
Admission to the IT or CSS Minor is not competitive. To apply, submit a "Change of Program or Minor" form along with official transcripts (unofficial transcripts from the UW are accepted). The "Change of Program or Minor" form can be picked up in the CSS Program office, or in the UWB Student Affairs/Registration Office. Send completed application and official transcripts (unofficial transcripts from the UW are accepted) to the UW Bothell CSS Program at the following address. Students must complete all of the prerequisites before applying for the IT or CSS minor.

Submit forms to:

Computing and Software Systems
UW Bothell, BOX 358534
18115 Campus Way NE, Room 381
Bothell, WA 98011

Registering for Classes
Students who have been accepted into the IT or CSS minor will be able to request entry codes for UW Bothell CSS courses any time during or after Registration Period 2.

Graduating With a Minor
When applying for graduation, the student’s major program advisor will list the minor requirements on the graduation application. Upon graduation, the minor will be indicated on the student’s transcript, but it will not appear on the diploma.

Minor in Computing and Software Systems
The CSS minor provides students with the necessary programming and software management skills to work within a software development environment within their major discipline.

- **Required Courses**
  - CSS 161
  - CSS 162
  - CSS 342
  - CSS 360
  - Any two additional CSS courses

- **Credits:** A minimum of 30 credits

- At least a 2.0 in each course

Minor in Information Technology
The IT minor focuses on bridging the technology and information management gap, and gives students a background in software design methodologies, computer programming, database systems and strategies for automating industrial and organizational processes.

- **Required Courses**
  - CSS 161
  - CSS 341
  - CSS 360
  - CSS 475
  - One additional 5 credit CSS course

- **Credits:** A minimum of 25 credits

- At least a 2.0 in each course

Interdisciplinary Arts and Sciences
The Interdisciplinary Arts and Sciences Program offers students advanced interdisciplinary study in the arts and sciences. Students develop their ability to think analytically, critically and imaginatively; communicate logically and persuasively; and work creatively with others. These abilities prepare students to participate in workplace and civic leadership in a democratic society, to enrich their personal lives and their communities, and to appreciate and care for the natural environment. A liberal education develops both the knowledge underlying technical and professional learning, and the values on which enterprises, institutions, and global civilization depend.

Faculty Director
Bruce Burgett, Ph.D., 1993, University of California, Berkeley; English

Associate Directors
Colin Danby, Ph.D., 1997, University of Massachusetts, Amherst; economics
Elizabeth Thomas, Ph.D., 1998, University of Illinois at Urbana-Champaign; community psychology

Professors
Warren Buck, Ph.D., 1976 (Chancellor Emeritus), College of William and Mary; physics
Bruce Burgett, Ph.D., 1993, University of California, Berkeley; English
Colin Danby, Ph.D., 1997, University of Massachusetts, Amherst; economics
JoLynn Edwards, Ph.D., 1982, University of Washington; art history
Diane Gillespie, Ph.D., 1982, University of Nebraska, Lincoln; educational psychology and social foundations
Martha Groom, Ph.D., 1995, University of Washington; zoology, conservation biology
Jeanne Heuving, Ph.D., 1988, University of Washington; English
Daniel Jacoby, Ph.D., 1985, University of Washington; economics
Gray Kochhar-Lindgren, Ph.D., 1990, Emory University; literature and cultural theory
Norman Rose, (Emeritus) Ph.D., 1960, University of Illinois at Urbana-Champaign; chemistry
Robert C. Schultz, (Emeritus), Ph.D., 1969, Emory University; philosophy
William Seaburg, Ph.D., 1994, University of Washington; anthropology
Linda S. Watts, Ph.D., 1989, Yale University; American studies
Alan Wood, Ph.D., 1981, University of Washington; history

Elizabeth Thomas, Ph.D., 1998, University of Illinois at Urbana-Champaign; community psychology

Assistant Professors
Johanna Crane, Ph.D., University of California, San Francisco/Berkeley; medical anthropology
Benjamin Gardner, Ph.D., 2007, University of California, Berkeley; geography
Susan Harewood, Ph.D., 2006, University of Illinois at Urbana-Champaign; communications
Ted Hiebert, Ph.D., 2007, Concordia University; humanities
Cinnamon Hillyard, Ph.D., 1999, Utah State University, Logan; mathematics
Jin-Kyu Jung, Ph.D., State University of New York at Buffalo; geography
Santiago Lopez, Ph.D., University of Texas at Austin; geography and the environment
Joe Milutis, Ph.D., 2000, University of Wisconsin-Milwaukee; modern studies
Keith Nitta, Ph.D., 2006, University of California, Berkeley; political science
Gwen Ottinger, Ph.D., University of California, Berkeley; energy and resources group
Rebecca M. Price, Ph.D., 2003, The University of Chicago; evolutionary biology
J. Eric Stewart, Ph.D., 2000, University of Illinois at Urbana-Champaign; community and clinical psychology
Robert J. Turner, Ph.D., 1999, University of North Carolina, Chapel Hill; marine sciences
Wadiya Udell, Ph.D., 2004, Columbia University; developmental psychology

Senior Lecturers
David Goldstein, Ph.D., 1997, University of California, Irvine; comparative culture
Bruce Kochis, Ph.D., 1979, University of Michigan; Slavic languages and literature
John R. Rasmussen, Ph.D., 1972, Dartmouth College; mathematics

Bachelor of Arts Degrees
Applicants applying with 80 or more credits:

1. 3 years high school math (2 years algebra) or Intermediate algebra in college. Minimum grade of 2.0 if taken in college.
2. Two years (high school) OR 10 quarter credits (college) of a single foreign language or through 102 with a passing grade.
3. English Composition (Five quarter credits), 10 credits preferred to include a writing and research course.
4. Quantitative/Symbolic Reasoning (Five quarter credits in Math or Logic). Does not apply to students who enrolled in college for the first time prior to Autumn Quarter, 1985.
5. 15 quarter credits in Natural World
6. 15 quarter credits in Visual, Literary, and Performing Arts
7. 15 quarter credits in Individuals and Societies

Applicants applying with 45-79 credits:

Same as above, but only 10 credits needed in each of the Areas of Knowledge (Natural World; Visual, Literary and Performing Arts; Individuals and Societies).

See UW Course Equivalency Guide for courses that will fulfill the Areas of Knowledge requirements at individual colleges.

Graduation Requirements
Students pursuing an Interdisciplinary Arts and Sciences BA degree must complete the following program requirements, in addition to the general graduation requirements of the University, to be eligible for graduation with the Bachelor of Arts degree in Interdisciplinary Studies:

1. Select one of the following majors:
   - American Studies (AMS)
   - Community Psychology (CP)
   - Culture, Literature and the Arts (CLA)
   - Environmental Studies (ES)
     - See ES major information for prerequisite and graduation requirements.
   - Global Studies (GST)
   - Interdisciplinary Arts (IA)
   - Interdisciplinary Studies:
     - Individualized Study (IS)
     - Media and Communication Studies (MCS)
   - Science, Technology and Society (STS)
     - See STS information for prerequisite requirements.
   - Society, Ethics and Human Behavior (SEB)
2. Complete 68 credits to include the following (must be completed in matriculated status):
   - BIS 300 - Interdisciplinary Inquiry (5 credits). BIS 300 should be taken in the first quarter of enrollment.
   - At least one core course within the declared major or option (5 credits)
   - Seven additional courses within the declared major or option (35 credits)
   - Additional IAS coursework (20 credits)
   - Portfolio Capstone (3 credits)
3. In addition to the 68 credits within the major, complete 22 credits of general electives.

For information on graduation requirements for Individualized Study and Environmental Studies, please refer to the descriptions listed below.

NOTE: Within the 35 credits of AMS, students must complete either BIS 312 (Approaches to Social Research) or BIS 340 Approaches to Cultural Research).

NOTE: Within the 35 credits of CP, students must complete both BIS 312 (Approaches to Social Research) AND BIS 315 (Understanding Statistics) with a minimum grade of 2.0 in each course.

NOTE: Within the 35 credits of IA, students must complete 15 credits of Art Studio and Workshop courses.

NOTE: Within the 35 credits of MCS, students must complete 10 credits of Communication Practice & Media Production; 15 credits of Tier 1, and 10 credits of Communication Practice & Media Production, Tier 1 OR Tier 2 coursework.
NOTE: Within the 35 credits of SEB, students must complete at least one of the following courses in research methods at UW Bothell (with a minimum grade of 2.0): BIS 312 (Approaches to Social Research), BIS 315 (Understanding Statistics), or BIS 410 (Topics in Qualitative Inquiry).

NOTE: Within the 35 credits of STS, students must complete BES 301 (Science Methods and Practice) and BIS 315 (Understanding Statistics) with a minimum grade of 2.0 in each course.

Areas of Knowledge
Within the above-listed 90 credits, a minimum of ten (10) credits each in Visual, Literary and Performing Arts (VLPA); Individuals and Societies (I&S); and Natural World (NW) to be taken in IAS courses at the 200, 300, or 400 levels. IAS courses are offered under the following prefixes: BES, BIS, BISAMS, BISP, BISCLA, BISGST, BISIA, BISMCS, BISSTS and BISSEB. Those students admitted with fewer than 15 credits in any or all of the Areas of Knowledge must take enough additional credits in those areas to meet the graduation requirement of 25 credits in each of the Areas of Knowledge. Multiply-designated courses may not be double-counted as fulfilling two Areas of Knowledge.

200-level Coursework
Up to 35 credits of 200-level coursework taken at UW Bothell may be applied toward designated requirements within the 90 credits. Please contact an IAS adviser for details.

Portfolio Capstone (BIS 499)
BIS 499 Portfolio Capstone will focus on the completion of a student’s final learning/professional portfolio, picking up on the work they have completed in BIS 300 Interdisciplinary Inquiry and throughout the program. It will allow students to step back from the learning they have done in individual courses, focusing on the connections among those courses and the links between the student’s overall academic accomplishments and their diverse contexts. BIS 499 is a writing-intensive (W) course. Students must receive a minimum course grade of 2.5 in the portfolio capstone to graduate.

Students admitted prior to Autumn Quarter, 2010 will be allowed to take BIS 499 OR BIS 490 Senior Seminar (or its equivalent) as their graduation requirement. Students admitted Autumn Quarter, 2010 or later will be required to take BIS 499 as their graduation requirement.

Non-Matriculated Status: NO CREDITS TAKEN IN NON-MATRICULATED STATUS MAY COUNT TOWARD THE 70 MAJOR CREDITS.

Internships
Students interested in pursuing an Internship should visit our website for application information and requirements. Questions should be sent to Internship@uw.edu.

Bachelor of Arts Majors
American Studies
(Classes in this major are offered primarily during daytime hours.)

What does it mean (for a person, place, or thing) to be American?

AMS addresses this question by investigating the diverse cultures of those groups and individuals who live across the shifting borders of the United States and the Americas. Faculty who teach in AMS represent a wide range of disciplinary and interdisciplinary fields, including history, anthropology, literature, cultural studies, film studies, sociology, ethnic studies, and gender studies. By exploring these fields in an interdisciplinary manner, students will gain the knowledge and tools necessary to understand and analyze the complex patterns of meaning that shape and transform American culture and the definition of what it means to be "American."

Graduating AMS students are equipped to enter various professional fields and graduate programs, to work within community-based organizations, and/or to pursue further interdisciplinary graduate education in the arts, humanities, and social sciences.

While there are no official prerequisites, students choosing this major will find it helpful to have
completed college coursework in American history, culture, and/or social structures.

American Studies (AMS) Courses:
Key:** AMS listing dependent upon topic

A. Introduction to American Studies (AMS core courses)
- BISAMS 363 Conflict and Connection in the Americas
- BISAMS 364 Public Memory and Dissent in American Culture
- BISAMS 365 Exploring American Culture: Popular and Consumer Culture
- BISAMS 366 Exploring American Culture: Americans at the Margins
- BISAMS 367 Exploring American Culture: Race, Ethnicity, and Immigration
- BISAMS 368 Sex, Love, Romance
- BISAMS 369 American Culture and Mass Media

B. Methods and Modes of Inquiry
- BIS 312 Approaches to Social Research
- BIS 340 Approaches to Cultural Research
- BIS 410 Topics in Qualitative Inquiry

C. Literature, Media, and Art in Cultural Context
- BIS 204 Introduction to Journalism
- BIS 233 Participatory Media Culture
- BIS 235 Critical Media Literacy
- BIS 309 History of Dance in Europe and America
- BISCLA 318 Performance, Identity, Community and Everyday Life
- BISIA 319 Interdisciplinary Arts
- BIS 322 **Topics in Performance Studies
- BIS 325 Disability and Human Rights
- BISMCS 333 Media and Communication Studies
- BIS 336 Native American Cultures: The Northwest Coast
- BIS 339 **Issues in Global Cultural Studies
- BIS 341 **Topics in the Study of Culture
- BIS 347 History of American Documentary Film
- BISCLA 349 Hollywood Cinema and Genres
- BIS 351 Topics in American Culture
- BIS 357 Native American Religious and Philosophical Thought
- BISCLA 360 Literature, Film and Consumer Culture

D. Policies, Institutions, and Social Structure
- BEDUC 325 The Dream Project (max 6 credits)
- BIS 219 The Politics of Sex Education
- BIS 224 Introduction to Feminist Studies
- BIS 242 Environmental Geography
- BIS 265 Multicultural America
- BIS 275 Social Problems
- BIS 280 U.S. Political Processes
- BISSEB 304 Institutions and Social Change
- BIS 305 ** Issues in Social and Political Philosophy
- BISSTS 307 Science, Technology, and Society
- BIS 308 ** Issues in Philosophy and Culture
- BIS 314 **Topics in Geography
• BIS 318 Education and Society  
• BIS 321 U.S. Politics and Culture from 1865  
• BIS 323 U.S. Politics and Culture to 1865  
• BIS 327 History of U.S. Labor Institutions  
• BIS 330 Democratic Capitalism in the United States  
• BISSEB 331 The Family in U.S. Society  
• BISSEB 333 The Individual and Society  
• BIS 335 Human Rights in America  
• BIS 338 Political Institutions and Processes  
• BISCP 343 Community Psychology  
• BIS 353 Human Rights in Theory and Practice  
• BISSEB 359 Ethics and Society  
• BISGST 362 Contemporary Political Ideas and Ideologies  
• BIS 369 Women Across Cultures  
• BIS 391 Environmental History of the Pacific Northwest  
• BIS 392 Water and Sustainability  
• BIS 396 **Topics in Sustainability  
• BIS 397 **Topics in Environmental Studies  
• BISGST 397 **Topics in Global Studies  
• BISSTS 397 **Advanced Topics in Science, Technology and Society  
• BIS 401 **Topics in Economic History and Analysis  
• BIS 403 Washington DC Seminar on Human Rights  
• BIS 414 Topics in Human Rights  
• BIS 415 Public Policy and Law  
• BIS 419 Urban Politics and Policy  
• BIS 421 Technology Policy  
• BIS 425 Topics in United States Social and Political History  
• BIS 426 Comparative Urban Politics  
• BIS 431 **Issues in Sexual Politics and Culture  
• BIS 433 Gender, Work and Family  
• BIS 436 Comparative Family Systems  
• BIS 440 **Topics in Everyday Social and Cultural Life  
• BIS 443 Educational Policy and the American Economy  
• BIS 444 **Issues in Comparative History  
• BIS 445 Meanings and Realities of Inequality  
• BIS 449 **Advanced Topics in Psychology  
• BIS 463 U.S. Women’s History  
• BIS 466 Human Rights and Resistance  
• BIS 468 Human Rights and Sustainable Development  
• BIS 470 Art, Politics, and Social Change  
• BIS 491 **Topics in Policy Studies  
• BIS 496 **Community Service Project  
• BIS 497 Political Internship in State Government (max 5 credits)  
• BISGST 497 **Advanced Topics in Global Studies  
• BISSTS 397 **Advanced Topics in Science, Technology and Society  

E. Advanced American Studies  
• BIS 423 The City in American Culture  
• BIS 424 Topics in American Studies  
• BIS 461 Studies in U.S. Intellectual and Cultural History  
• BIS 462 The Culture of the Cold War in America  
• BIS 467 Post-1945 U.S. Youth Culture  

Community Psychology  
(Classes in this are offered primarily during daytime hours.)

Community psychology draws on interdisciplinary perspectives and approaches to examine social problems and promote the well-being of people in their communities. While the field draws heavily from psychology, it also draws from theory and practice in sociology, community development, ecology, public health, anthropology, cultural and performance studies, public policy, social work, and social justice movements. Through community research and action, community psychologists produce knowledge that can inform social policies, social service work, helping practices, and community change.

The Community Psychology major provides rigorous academic preparation for students who wish to pursue careers in human services, community development mental health, family and youth programs, counseling, prevention, program evaluation, community arts, multicultural program development, and human relations. The major also prepares students for graduate work in a variety of academic and applied research fields including Psychology, Sociology, Counseling, Public Health, and social work as well as interdisciplinary
graduate work in the arts, humanities, and social sciences including Cultural Studies and Policy Studies.

There are no official prerequisites for Community Psychology. Useful preparation for this major includes coursework in psychology, sociology, anthropology, public policy, statistics and/or research methods. Students will need strong skills in writing, speaking, collaboration, and community-based work.

Community Psychology (CP) Courses:
Key: ** CP listing dependent on topic.

A. CP Core Course
- BISCP 343 Community Psychology

B. Methods Courses
- BIS 312 Approaches to Social Research
- BIS 315 Understanding Statistics
- BIS 410 Topics in Qualitative Inquiry
- BIS 447 Topics in Quantitative Inquiry

C. Community Psychology Courses
- BEDUC 325 The Dream Project (6 credits max)
- BIS 219 The Politics of Sex Education
- BIS 220 Developmental Psychology
- BIS 223 Introduction to Narrative Ethnography
- BIS 225 Applied Social Psychology
- BIS 270 Abnormal Psychology
- BIS 271 History of Psychology
- BISSEB 304 Institutions and Social Change
- BIS 318 Education and Society
- BISCLA 318 Performance, Identity, Community, and Everyday Life
- BIS 325 Disability and Human Rights
- BISSEB 331 The Family in U.S. Society
- BISSEB 333 The Individual & Society
- BIS 335 Human Rights in America
- BIS 337 Risk and Resilience
- BIS 348 Cultural Psychology
- BISSEB 359 Ethics and Society
- BISAMS 367 Exploring American Culture: Race, Ethnicity, and Immigration
- BIS 422 Clinical Psychology
- BIS 433 Gender, Work, and Family
- BIS 434 Psychology and the Visual Arts
- BIS 435 Interactive Learning Theory
- BIS 436 Comparative Family Systems
- BIS 437 Narrative Psychology
- BIS 438 Prevention and Promotion
- BIS 445 Meanings and Realities of Inequality
- BIS 450 Performance and Healing
- BISCP 489 Projects in Community Psychology

D. Topics
- BIS 316 Topics in Psychology
- BIS 322 **Topics in Performance Studies
- BIS 346 **Topics in Environmental Policy
- BIS 425 **Topics in United States Social and Political History
- BIS 440 **Topics in Everyday Cultural and Social Life
- BIS 449 Advanced Topics in Psychology
- BISMCS 471 **Advanced Topics in Media and Communication
- BIS 480 **International Study Abroad
- BIS 485 **Topics in Cultural Studies
- BIS 491 **Topics in Policy Studies
- BIS 495 **Community Service Project

Culture, Literature, and the Arts
What is culture? How do literature and the visual and performing arts travel across cultures?

CLA addresses these questions by seeking to understand the production and reception of literature, film, and the visual and performing arts through aesthetic, theoretical, historical, and sociological methods. Faculty who teach in CLA draw on a wide range of disciplinary and interdisciplinary fields, including art history, literature, film, environmental studies, creative writing, performance studies, cultural and media studies, disability studies, history, gender and race studies, and philosophy. CLA students learn to appreciate and think critically about how cultural practices vary across diverse social systems, and are strongly encouraged to take advantage of opportunities to participate in public and community-based arts projects.

CLA graduates are well equipped to pursue graduate education in a range of programs related to the interdisciplinary arts, humanities, and humanistic social sciences, as well as professional fields such as law, policy, education, and journalism. CLA also provides excellent preparation for careers in publishing, public relations, and public service,
especially in the context of community and public arts organizations.

While there are no official prerequisites, students choosing this major will find it helpful to be able to write an analytical paper and should have at least two courses in literature, the visual arts, or performance. Historical knowledge and competency in foreign languages is also highly desirable.

**Culture, Literature and the Arts (CLA) Courses:**
Key: ** CLA listing dependent upon topic.

A. Introduction to Culture, Literature and the Arts (CLA core courses)
- BISCLA 318 Performance, Identity, Community and Everyday Life
- BISCLA 360 Literature, Film and Consumer Culture
- BISCLA 349 Hollywood Cinema and Genres
- BISCLA 372 Comparative Arts in 18th Century Europe
- BISCLA 380 Art and Its Context
- BISCLA 384 Literary and Popular Genres

B. Creative Writing
- BISIA 207 Introduction to Creative Writing: Words, Stories, Dialogues
- BISIA 310 Creative Writing: Poetry
- BISIA 311 Creative Writing: Prose

C. Art, Film, and Literary Histories
- BIS 206 Engaging Literary Arts
- BIS 208 Experimenting through the Arts
- BIS 209 Engaging Visual Arts
- BIS 212 Engaging Performing Arts
- BISIA 213 Art Techniques
- BIS 215 Literature into Film
- BIS 301 Narrative Forms
- BIS 309 History of Dance in Europe and America
- BISIA 319 Interdisciplinary Arts
- BIS 347 History of American Documentary Film
- BIS 361 Studies in American Literature
- BIS 370 Nineteenth Century American Literature
- BIS 371 Twentieth Century American Literature
- BISIA 374 Arts Workshop
- BIS 376 Circa 1500: Arts of West and East
- BIS 378 Languages of Poetry
- BIS 379 American Ethnic Literatures
- BIS 382 The Visual Art of Biology
- BIS 383 American Art and Architecture
- BIS 387 Women and American Literature
- BIS 389 American Indian Literature
- BIS 407 Children's Literature and Reader Response Criticism
- BIS 451 Northwest Indian Myths and Tales
- BIS 465 Performance, History and Memory
- BIS 476 Issues in Art History
- BIS 481 Modernism, Postmodernism, and American Literature
- BISIA 483 Advanced Arts Workshop
- BISIA 484 Arts Learning in the Community

D. Thought and Theory
- BIS 308 Issues in Philosophy and Culture
- BIS 357 Native American Religious and Philosophical Thought
- BIS 452 Marx, Nietzsche, Freud
- BIS 460 **Topics in Critical Theory
- BIS 461 Studies in U.S. Intellectual and Cultural History

E. Culture Studies
- BEDUC 325 The Dream Project (max 6 credits)
- BIS 203 History of InterArts
- BIS 204 Introduction to Journalism
- BIS 205 Technologies of Expression
- BIS 222 Travel and Cultural Difference
- BIS 223 Introduction to Narrative Ethnography
- BIS 233 Participatory Media Culture
- BISMCS 234 **Media and Communication Techniques
- BIS 235 Critical Media Literacy
- BIS 260 Introduction to World Religions
- BIS 264 Africa on Film
- BIS 313 Issues in Media Studies
- BIS 314 **Topics in Geography
- BIS 317 Language, Society and Cultural Knowledge
- BIS 322 Topics in Performance Studies
- BIS 325 Disability and Human Rights
- BIS 329 **Topics in Mathematics Across the Curriculum
- BIS 333 Media and Communication Studies
- BIS 343 **Media Production Workshop
- BIS 339 Issues in Global Cultural Studies
• BIS 340 Approaches to Cultural Research
• BIS 341 Topics in the Study of Culture
• BIS 348 Cultural Psychology
• BIS 351 Topics in American Culture
• BIS 354 Modern European Intellectual History
• BISAMS 364 Public Memory and Dissent in American Culture
• BISAMS 365 Exploring American Culture: Popular and Consumer Culture
• BISAMS 366 Exploring American Culture: Americans at the Margin
• BISAMS 367 Exploring American Culture: Race, Ethnicity, and Immigration
• BISAMS 368 Sex, Love, Romance
• BISAMS 369 American Culture and Mass Media
• BIS 369 Women Across Cultures
• BIS 373 Cultural History of Rome
• BIS 385 Cross-Cultural Oral Traditions
• BISGST 397 **Topics in Global Studies
• BISSTS 397 **Topics in Science, Technology and Society
• BIS 417 Paris: The City and Its History
• BIS 418 Masculinity, Homoeroticism, and Queer Theory in America
• BIS 423 The City in American Culture
• BIS 424 Topics in American Studies
• BIS 431 **Issues in Sexual Politics and Cultures
• BIS 434 Psychology and the Visual Arts
• BIS 440 **Topics in Everyday Social and Cultural Life
• BIS 449 **Advanced Topics in Psychology
• BIS 450 Performance and Healing
• BIS 455 Literature and Sexuality
• BIS 462 The Culture of the Cold War in America
• BIS 464 Topics in Advanced Cinema Studies
• BIS 465 Performance, History and Memory
• BIS 467 Post 1945 U.S. Youth Culture
• BIS 470 Art, Politics, and Social Change
• BISMCS 471 **Advanced Topics in Media and Communication
• BISMCS 472 **Advanced Media Production Workshop
• BIS 474 Topics in European Cultural History
• BIS 478 Art Patronage and Markets
• BIS 480 **International Study Abroad

• BIS 485 **Topics in Cultural Studies
• BIS 486 Studies in Women and Literature
• BIS 487 Topics in American Literature
• BIS 488 Topics in British Literature
• BIS 491 **Topics in Policy Studies
• BIS 496 **Community Service Project
• BISGST 497 **Advanced Topics in Global Studies
• BISSTS 497 **Advanced Topics in Science, Technology and Society

F. Historical Epochs

• BIS 261 World History I
• BIS 262 World History II
• BIS 263 World History III
• BIS 321 U.S. Politics and Culture from 1865
• BIS 323 U.S. Politics and Culture to 1865
• BIS 326 Twentieth Century Eastern Europe
• BIS 400 Twentieth Century Eastern Europe
• BIS 402 Modern China
• BIS 404 Twentieth Century Russia
• BIS 409 Modern Germany
• BIS 427 Global History I
• BIS 428 Global History II
• BIS 429 Global History III
• BIS 444 **Issues in Comparative History

Environmental Studies

(Classes in this major are offered primarily during daytime hours.)

The Environmental Studies (ES) major is designed for students who want to act critically and creatively in response to the environmental challenges facing the world today. The major’s two pathways (Sustainability and Society [S&S] and Conservation Science and Management [CSM]) share a commitment to educating future practitioners who can address those challenges in their professional careers and personal lives.

ES teaches students to integrate environmental knowledge across the natural and social sciences, as well as the arts and humanities. Hands-on learning, field experiences, and problem-based instruction focus on finding answers to complex problems that include scientific, social, political, cultural, and ethical dimensions.

Graduating Environmental Studies students develop careers in management, planning, advocacy,
communications, and policy-making across a wide array of for-profit and not-for-profit organizations. They also pursue disciplinary and interdisciplinary graduate education in environmental fields that range across the arts, humanities, and social and natural sciences.

**Prerequisites:**

1. Two introductory lab courses in Biology, Chemistry OR Earth Systems Science (may be from two different areas)
2. One introductory Statistics course (BIS 232, BIS 315 or equivalent.). Students can be admitted to the major without having met this requirement if they enroll in BIS 315 during their junior year.

**Graduation Requirements Requirements for both S&S and CSM**

**Listing dependent upon topic**

- BIS 300 Interdisciplinary Inquiry (5)
- BES 301 Science Methods & Practice OR BIS 312 Approaches to Social Research (5)
- BIS 243 Introduction to Environmental Studies (5)
- BIS 312 Ecology OR BIS 390 Ecology and the Environment (5)
- Political Economy or Environmental Economics (BCUSP 200, BIS 320, 324, 394 or equiv.) (5)
- BIS 356 Ethics and the Environment OR BIS 3xx Foundations of Environmental Thought (5)
- BIS 499 Portfolio Capstone (3)

**Pathway Core Requirements**

- S&S: Sustainability Focus courses: 10 credits
- CSM: BIS 342 Geographic Information Systems (5) and BES 485 Conservation Biology (5)

**Distribution Requirements for both S&S and CSM**

Lists of courses in each category are shown on the following pages:

- Environmental Science - 5 credits:
- Methods & Practices - 5 credits
- Society & Environment - 5 credits
- Policy & Management - 5 credits

**Sustainability Focus**

Courses in this area directly incorporate substantial knowledge and approaches to the study of sustainability as a major focus of the course.

- BIS 240 Introduction to Sustainable Practices
- BIS 392 Water & Sustainability
- BIS 459 Conservation & Sustainable Development
- BIS 396 Topics in Sustainability
- BIS 468 Human Rights and Sustainable Development

**Distribution Course Lists**

**Environmental Science**

- BIS 306 Marine Diversity and Conservation
- BES 311 Environmental Chemistry
- BES 312 Ecology
- BES 318 Hydrogeology
- BES 362 Introduction to Restoration Ecology
- BIS 386 Global Environmental Issues
- BIS 390 Ecology & The Environment
- BES 397 Special Topics in Env. Science
- BES 430 Air Pollution and Health
- BES 460 Water Quality
- BES 485 Conservation Biology
- BES 488 Wetland Ecology
- BES 489 Pacific Northwest Ecosystems

**Methods & Practices**

- BES 316 Ecological Methods
- BES 317 Soils Laboratory
- BES 303 Environmental Monitoring Practicum (2 credits)
- BIS 342 Geographic Information Systems
- BIS 405 Environmental Education
- BIS 410 Topics in Qualitative Inquiry
- BES 415 Advanced Environmental Measurements Laboratory
- BIS 430 Social Theory and Practice
- BES 439 Computer Model. & Visual in Environmental Science
- BES 460 Water Quality
- BES 487 Field Lab Wildland Plants and Soils
- BES 490 Pacific Northwest Plants in Restoration & Conservation
Society & Environment
- BIS 241 Nature in the Northwest
- BIS 281 Global Politics
- BIS 282 Globalization
- BES 302 Env. Problem Solving
- BISGST 303 History and Globalization
- BISSEB 304 Institutions and Social Change
- BIS 320 Comparative Political Economies
- BISGST 324 International Political Economy
- BISSEB 333 Individual and Society
- BIS 345 American Environmental Thought
- BIS 353 Human Rights Theory & Practice
- BIS 356 Ethics and the Environment
- BIS 358 Issues in Environmental Science
- BISSEB 359 Ethics and Society
- BISGST 362 Contemporary Political Ideas & Ideologies
- BIS 386 Global Environmental Issues
- BIS 390 Ecology and the Environment
- BIS 392 Water and Sustainability
- BIS 391 Environmental History of the Pacific Northwest
- BIS 394 Comparative Economic Development
- BIS 395 Environmental Change in WA State
- BIS 396 **Topics in Sustainability
- BIS 397 **Topics in Environmental Studies
- BIS 411 Biotechnology and Society
- BIS 445 Meanings & Realities of Inequality
- BIS 458 Energy, Environment & Society
- BIS 459 Conservation and Sustainable Development
- BIS 468 Human Rights and Sustainable Development

Environmental Policy & Management
- BIS 338 Political Institutions & Processes
- BIS 346 Topics in Environmental Policy
- BES 362 Intro. to Restoration Ecology
- BIS 415 Public Policy and Law
- BIS 419 Urban Politics and Policy
- BIS 421 Technology Policy
- BIS 458 Energy, Environment and Society
- BES 485 Conservation Biology
- BES 486 Watershed Ecology & Management
- BPOLST 492 Topics in Policy Research

What does it mean to be a global citizen? How do local and global beliefs, events, and institutions travel across and structure the world we live in today?

GST addresses these questions by exploring the economic, cultural, and political systems that unite and divide people across the world. Faculty who teach in GST work across a wide range of disciplinary and interdisciplinary fields, including history, anthropology, sociology, political economy, cultural and media studies, environmental science, and the scholarship of human rights. GST students learn to think critically about the history and practice of globalization through interpretation, empirical research, and project-based learning.

Graduating GST students are particularly well-equipped to pursue professional careers or advanced study in public policy, business, international relations, community and non-governmental organizations, law, education, media and cultural studies, and area studies.

While there are no official requirements, students choosing this major will find it especially helpful to have completed college coursework in economics, world history and culture, statistics, political science, geography, anthropology, and foreign languages.

Global Studies (GST) Courses:
Key: ** GST listing dependent on topic.

A. GST Core Courses
- BISGST 303 History and Globalization
- BISGST 324 International Political Economy
- BISGST 362 Contemporary Political Ideas and Ideologies

B. Skills Courses
- BIS 232 Using, Understanding and Visualizing Quantitative Data
- BIS 230 Mathematical Thinking for the Liberal Arts
- BIS 312 Approaches to Social Research
- BIS 315 Understanding Statistics
- BIS 410 Topics in Qualitative Inquiry
- BIS 447 Topics in Quantitative Inquiry

C. GST Courses
- BIS 222 Travel and Cultural Difference
- BIS 233 Participatory Media Culture
- BIS 242 Environmental Geography
- BIS 260 Introduction to World Religions
- BIS 261 World History I
- BIS 262 World History II
- BIS 263 World History III
- BIS 264 Africa on Film
- BIS 281 Global Politics
- BIS 282 Globalization
- BIS 305 **Issues in Social and Political Philosophy
- BIS 308 **Issues in Philosophy and Culture
- BIS 313 **Issues in Media Studies
- BIS 314 **Topics in Geography
- BIS 317 Language, Society and Cultural Knowledge
- BIS 320 Comparative Political Economies
- BIS 322 **Topics in Performance Studies
- BIS 325 Disability and Human Rights
- BIS 326 Twentieth Century Eastern Europe
- BIS 328 Contemporary European Politics
- BIS 329 **Topics in Mathematics Across the Curriculum
- BIS 332 The Rise of East Asia
- BISMCS 333 Media and Communication Studies
- BIS 334 Traditional Chinese History
- BIS 339 Issues in Global Cultural Studies
- BIS 344 International Relations
- BIS 353 Human Rights in Theory and Practice
- BIS 354 Modern European Intellectual History
- BIS 358 **Issues in Environmental Science
- BISAMS 363 Conflict and Connections in the Americas
- BISAMS 367 Exploring American Cultures: Race, Ethnicity and Immigration
- BIS 369 Women Across Cultures
- BIS 373 Cultural History of Rome
- BIS 376 Circa 1500: Arts of West and East
- BIS 386 Global Environmental Issues
- BIS 394 Comparative Economic Development
- BIS 396 **Topics in Sustainability
- BIS 397 **Topics in Environmental Studies
- BISGST 397 Topics in Global Studies
- BISSTS 397 **Topics in Science, Technology and Society
- BIS 400 Modern Japan
- BIS 401 **Topics in Economic History and Analysis
- BIS 402 Modern China
- BIS 403 Washington D.C. Seminar on Human Rights
- BIS 404 Twentieth Century Russia
- BIS 409 Modern Germany
- BIS 413 Nations and Nationalism
- BIS 414 Topics in Human Rights
- BIS 416 Problems in International Political Economy
- BIS 417 Paris: The City and Its History
- BIS 420 Colonizing History in Sub-Saharan Africa
- BIS 426 Comparative Urban Politics
- BIS 427 Global History I
- BIS 428 Global History II
- BIS 429 Global History III
- BIS 430 Social Theory and Practice
- BIS 431 **Issues in Sexual Politics and Cultures
- BIS 432 Democracy in Asia
- BIS 436 Comparative Family Systems
- BIS 440 **Topics in Everyday Social and Cultural Life
- BIS 444 **Issues in Comparative History
- BIS 449 **Advanced Topics in Psychology
- BIS 459 Conservation and Sustainable Development
- BIS 460 **Topics in Critical Theory
- BIS 466 Human Rights and Resistance
- BIS 468 Human Rights and Sustainable Development
- BISMCS 471 **Advanced Topics in Media and Communication
- BISMCS 472 **Advanced Media Production Workshop
- BIS 476 **Issues in Art History
- BIS 480 International Study Abroad
- BIS 485 **Topics in Cultural Studies
- BIS 491 **Topics in Policy Studies
- BIS 496 **Community Service Project
- BISGST 497 Advanced Topics in Global Studies
- BISSTS 497 **Advanced Topics in Science, Technology and Society
Interdisciplinary Arts
(Classes in this major are offered primarily during daytime hours.)

The Interdisciplinary Arts (IA) major is designed for students who want to create art and to learn about the world through the creative arts. It links written, visual, media, and performance arts, and explores meaning and potential arts making across diverse social and cultural settings.

Coursework includes studios, workshops, seminars, and community-based projects. The flexible curriculum enables students to hone their skills as arts practitioners while drawing connections to cultural and media studies, environmental and disability issues, health and policy arenas, and community and educational development.

IA graduates become independent artists, build careers in arts and cultural industries as curators and administrators, and develop arts-based projects in a range of employment sectors, including health, media, and education. They are also prepared for graduate education in the arts and humanities, cultural studies, and Master of Fine Arts fields.

There are no formal prerequisites for Interdisciplinary Arts. Useful preparation for this major includes formal and informal training in visual, written, digital, and/or performing arts. Students will need strong skills in collaborative and creative problem-solving.

Interdisciplinary Arts (IA) Courses:
Key:** IA listing dependent on topic
A. IA Core Course
   - BISIA 319 Interdisciplinary Arts
B. Art Studios and Art Workshops
   - BISIA 207 Introduction to Creative Writing: Words, Stories, Dialogues
   - BISIA 213 Art Techniques
   - BISIA 310 Creative Writing: Poetry
   - BISIA 311 Creative Writing: Prose
   - BIS 322 Topics in Performance Studies: Garbage as Art
   - BISIA 374 Arts Workshop
   - BIS 450 Performance and Healing
   - BISIA 483 Advanced Arts Workshop
   - BISIA 484 Arts Learning in the Community

C. IA Courses
   - BIS 203 History of InterArts
   - BIS 206 Engaging Literary Arts
   - BIS 208 Experimenting With the Arts
   - BIS 209 Engaging Visual Arts
   - BIS 212 Engaging Performing Arts
   - BIS 215 Literature into Film
   - BISMCS 324 **Media and Communication Techniques
   - BIS 301 Narrative Forms
   - BIS 309 History of Dance in Europe and America
   - BIS 313 **Issues in Media Studies
   - BISCLA 318 Performance, Identity, Community, and Everyday Life
   - BIS 322 **Topics in Performance Studies
   - BISMCS 333 Media and Communication Studies
   - BIS 341 **Topics in the Study of Culture
   - BIS 347 History of American Documentary Film
   - BIS 348 Cultural Psychology
   - BISCLA 360 Literature, Film and Consumer Culture
   - BISAMS 366 Exploring American Culture: Americans at the Margins
   - BISAMS 367 Exploring American Culture: Race, Ethnicity, and Immigration
   - BIS 369 Women across Cultures
   - BISCLA 372 Comparative Arts in Eighteenth-Century Europe
   - BIS 373 The Cultural History of Rome
   - BIS 376 Circa 1500: Arts of West and East
   - BIS 378 Languages of Poetry
   - BISCLA 380 Art and its Context
   - BIS 382 Visual Arts of Biology
   - BIS 383 American Art and Architecture
   - BISCLA 384 Literature and Popular Genres
   - BIS 410 Qualitative Inquiry: Visual Ethnography
   - BIS 417 Paris:The City and its History
   - BIS 431 Sexual Politics and Cultures
   - BIS 434 Psychology and the Visual Arts
   - BIS 435 Interactive Learning: Theory and Practice
   - BIS 440 **Topics in Everyday Cultural and Social Life
   - BIS 450 Performance and Healing
   - BIS 457 Thinking and Decision Making
• BIS 460 Topics in Critical Theory
• BIS 470 Art, Politics, and Social Change
• BISMCS 471 **Advanced Topics in Media and Communication
• BISMCS 472 **Advanced Media Production Workshop
• BIS 474 Topics in European Cultural History
• BIS 476 Issues in Art History
• BIS 478 Art Patronage and Markets
• BIS 485 **Topics in Cultural Studies
• BIS 486 Studies in Women and Literature
• BIS 491 **Topics in Policy Studies
• BIS 495 **Community Service Project

Interdisciplinary Studies

Individualized Study Option
The Individualized Study (IS) option within the Bachelor of Arts in Interdisciplinary Studies is designed for highly-motivated students who want to create their own course of study. IS students work closely with one or more faculty mentors in IAS or other programs at UWB as they shape a degree suited to their intellectual and professional interests and ambitions.

IS allows students to create degree options in subjects ranging from science communication and environmental education to gender studies and digital arts. The resulting student-driven curriculum includes formal and informal meetings between students and their faculty mentors, along with a portfolio-based process of self-reflection on the learning as it evolves. Students interested in pursuing the Individualized Study option work with a faculty member to develop a substantive proposal. This proposal is then reviewed by a faculty oversight committee. Once approved, requirements vary from proposal to proposal.

Graduating IS students develop careers and pursue graduate education in a wide variety of fields, depending on their chosen area of study. As important, they gain experience and document success in one of the crucial predictors of success in any of those fields: the ability to undertake a self-directed project in collaboration with others, to reflect critically on its development in process, and to complete it in a timely fashion.

Students cannot apply directly to this option. Students apply in their junior year after they have completed at least one quarter of coursework in IAS, including BIS 300. Students interested in pursuing the Individualized Study option work with a faculty member to develop a substantive proposal. This proposal is then reviewed by a faculty oversight committee. If approved, the topic requirements vary from proposal to proposal.

Standard UW and IAS degree requirements including BIS 300, the portfolio capstone, and areas of knowledge, remain in effect, as they do for all other IAS degree options and majors, with a total of 180 credits required for graduation.

Media and Communication Studies Option
Classes in this option within the Bachelor of Arts in Interdisciplinary Studies are offered primarily during day time hours.

The Media and Communication Studies (MCS) option in the Interdisciplinary Studies major combines a rich grounding in media and communication theory and history with hands-on opportunities to engage in media practice and production. The option challenges students to become critical practitioners by developing the intellectual capacities and practical skills needed to communicate through new media formats.

MCS coursework integrates theory and practice through media production workshops, classroom seminars, and community-based projects. The curriculum enables students to hone their skills as media critics and practitioners by drawing connections across diverse social, cultural, and scientific areas of inquiry and professional sectors.

MCS prepares students for graduate study in Communication, Media Studies, and Cultural Studies, among many others fields, and lays the groundwork for future careers in electronic media broadcasting, non-broadcasting audio and video production, advertisement, public relations, or communication education.

There are no formal prerequisites for Media and Communication Studies. Useful preparation for this option includes formal and informal training in new
media production. Students will need strong skills in critical and creating thinking, communications, and collaboration.

Media and Communication Studies Option Courses:

Key: **MCS listing dependent on topic

A. MCS Core Course
- BISMCS 333 Media and Communication Studies

B. Tier One Courses
- BIS 205 Technologies of Expression
- BIS 215 Literature into Film
- BIS 232 Using, Understanding and Visualizing Quantitative Data
- BIS 233 Participatory Media Culture
- BIS 264 Africa on Film
- BIS 313 Issues in Media Studies
- BISCLA 318 Performance, Community, Identity and Everyday Life
- BIS 347 History of American Documentary Films
- BISCLA 349 Hollywood Cinema and Genres
- BISCLA 360 Literature, Film & Consumer Culture
- BISAMS 365 Popular and Consumer Culture
- BISAMS 369 Mass Media & American Culture
- BIS 462 The Culture of Cold War America
- BIS 464 Topics in Advanced Cinema Studies
- BIS 467 Post-1945 U.S. Youth Culture: Culture, Theory, and History
- BISMCS 471 Advanced Topics in Media and Communication

C. Tier Two Courses
- BISIA 207 Introduction to Creative Writing
- BIS 208 Experimenting Through the Arts
- BIS 219 The Politics of Sex Ed
- BIS 222 Travel and Cultural Difference
- BIS 282 Globalization
- BISSTS 307 Science, Technology and Society
- BISIA 310 Creative Writing: Poetry
- BISIA 311 Creative Writing: Prose
- BISSEB 333 Family & US Society
- BIS 340 Approaches to Cultural Research
- BIS 342 Geographic Information Systems
- BIS 382 The Visual Art of Biology
- BIS 385 Cross-Cultural Oral Traditions
- BIS 437 Narrative Psychology
- BIS 466 Human Rights and Resistance
- BEDUC 522 Education and the American Dream

D. Communication Practice and Media Production Courses
- BISMCS 234 Media and Communication Techniques
- BIS 204 Introduction to Journalism
- BISMCS 343 Media Production Workshop
- BISMCS 472 Advanced Media Production Workshop
- BISSKL 400 Policy Journal Editorial Board
- BISSKL 401 Literary Journal

E. Topics
- BIS 293 **Special Topics
- BIS 295 **Community-Based Practice
- BIS 322 **Topics in Performance Studies
- BIS 339 **Issues in Global Cultural Studies
- BIS 341 **Topics in the Study of Culture
- BIS 351 **Topics in American Culture
- BIS 393 **Special Topics
- BISGST 397 **Topics in Global Studies
- BISSTS 397 ** Topics in Science, Technology and Society
- BIS 410 **Topics in Qualitative Inquiry
- BIS 440 **Topics in Everyday Social and Cultural Life
- BIS 485 **Topics in Cultural Studies
- BIS 491 **Topics in Policy Studies
- BIS 493 **Special Topics
- BIS 496 **Community Service Project
- BISGST 497 **Advanced Topics in Global Studies
- BISSTS 497 **Advanced Topics in Science, Technology and Society

Science, Technology, and Society
How have the fields of science and technology evolved over time, and what does the future hold? How should societies manage those fields to achieve just and sustainable communities? The Science, Technology and Society (STS) prepares students to address these important questions through an integrated approach to science, technology, and their relationships to culture, history, and society.
STS students work with faculty members trained in disciplines ranging from biology and mathematics to political economy and philosophy. Housed in Interdisciplinary Arts and Sciences, the major enables students to develop their skills in scientific and technological research along with their capacities for critical, creative, and ethical reflection. Students leave the program with the capacity to make informed decisions about the responsible use of science and technology -- as professionals and citizens.

Graduating STS students are prepared for careers with a wide variety of for-profit, not-for-profit, and governmental organizations that analyze, produce, and use scientific and technical knowledge. These careers include planning and administration, public and investor relations, and advocacy and communications, among other areas. STS students also pursue graduate and professional education in such fields as law, education, policy studies, and media and cultural studies.

Lower Division Prerequisites:
1. Two quarters of a 100 or 200-level science sequence, which may be two courses from the same sequence or the first course from any two different sequences, as below:
   - BIS 250 and 251 (How Things Work) are recommended to satisfy this requirement.
   - Alternatively, students may take BES 180 and 200 (Introductory Biology) or their equivalents; BCUSP 142 and 152 (General Chemistry) or their equivalents; or BCUSP 143 and 144 (General Physics) or their equivalents.
   - Other science courses may be accepted if they have a laboratory component and are designed for students expecting to major in the science field in which the sequence is offered.
2. BCUSP 123 (Functions, Models, and Quantitative Reasoning) or Pre-Calculus.

Science, Technology and Society (STS) Option Courses:
Key:** STS listing dependent on topic.

A. STS Core Course
   - BISSTS 307 Science, Technology and Society

B. STS Methods Course
   - BES 301 Science Methods and Practice
   - BIS 315 Understanding Statistics

C. STS Courses
   **Mathematical Sciences**
   - BIS 230 Mathematical Thinking for the Liberal Arts
   - BIS 231 Linear Algebra with Applications
   - BIS 232 Using, Understanding, and Visualizing Quantitative Data
   - BIS 329 Topics in Mathematics Across the Curriculum
   - BIS 350 Concept of Number
   - BIS 447 Topics in Quantitative Inquiry
   - BIS 480 **International Study Abroad**

   **Natural Sciences**
   - BES 220 Introduction to Biology III
   - BES 302 Environmental Problem Solving
   - BES 311 Environmental Chemistry
   - BES 315 Environmental Chemistry Lab
   - BES 312 Ecology
   - BES 362 Introduction to Restoration Ecology
   - BIS 240 Introduction to Sustainable Practices
   - BIS 250 How Things Work: Motion & Mechanics (if not used to meet prerequisite)
   - BIS 251 How Things Work: Electricity & Invention (if not used to meet prerequisite)
   - BIS 306 Marine Diversity and Conservation
   - BIS 358 Issues in Environmental Science
   - BIS 381 History of Life
   - BIS 386 Global Environmental Issues
   - BIS 388 Philosophy and Science of Quantum Mechanics
   - BIS 390 Ecology and the Environment

   **Science Communications**
   - BIS 382 Visual Art of Biology
   - BIS 471**Advanced Topics in Media and Communication

   **Culture, Politics, and Society**
   - BIS 302 Issues in Mathematics Across Cultures
   - BIS 346 Topics in Environmental Policy
   - BIS 355 History of Science and Technology
   - BIS 356 Ethics and the Environment
   - BIS 386 Global Environmental Issues
• BIS 392 Water and Sustainability
• BIS 396 **Topics in Sustainability
• BIS 397 **Topics in Environmental Studies
• BISGST 397 **Topics in Global Studies
• BISSTS 397 Topics in Science, Technology and Society
• BIS 411 Biotechnology and Society
• BIS 421 Science and Technology Policy
• BIS 443 Educational Policy and the American Economy
• BIS 458 Energy, the Environment, and Society
• BIS 459 Conservation and Sustainable Development
• BIS 482 Problems in Interdisciplinary Science
• BIS 491 **Topics in Policy Studies
• BIS 496 **Community Service Project
• BISGST 497 **Advanced topics in Global Studies
• BISSTS 497 Topics in Science, Technology and Society

Select courses outside of IAS may also be taken to fulfill the option course requirement. Please contact iasadvisers@uw.edu for details.

Society, Ethics, and Human Behavior (SEB)

How do social institutions and practices shape human experience? How do individuals contribute to social stability and change?

SEB addresses these questions through a critical examination of the perspectives and tools used to understand human behavior, social institutions, and social policies. SEB combines an exploration of the ethical dimensions of individual and social action with analyses across multiple disciplines including sociology, psychology, media and cultural studies, anthropology, ethics, and political philosophy. The SEB faculty is committed to providing students with opportunities to engage in empirical research and project-based learning experiences in and beyond the classroom.

Graduating SEB students are ideally prepared to pursue professional careers or advanced study in a wide variety of fields, such as social work, education, public policy, law, media and cultural studies, and human resources. SEB also educates students to assume more active leadership roles within their communities, families, and workplaces.

While there are no official requirements, students choosing this major will find it helpful to have completed college coursework in psychology, sociology, statistics, and philosophy.

Society, Ethics and Human Behavior (SEB) Courses:
Key: **SEB listing dependent on topic.

A. SEB Core Courses
• BISSEB 304 Institutions and Social Change
• BISSEB 331 The Family in U.S. Society
• BISSEB 333 The Individual and Society
• BISSEB 359 Ethics and Society

B. Methods and Modes of Inquiry
• BIS 312 Approaches to Social Research
• BIS 315 Statistics
• BIS 410 Topics in Qualitative Inquiry

C. Individual Behavior
• BIS 220 Developmental Psychology
• BIS 225 Applied Social Psychology
• BIS 270 Abnormal Psychology
• BIS 271 History of Psychology
• BIS 316 **Topics in Psychology
• BIS 337 Risk and Resilience
• BISCP 343 Community Psychology
• BIS 348 Cultural Psychology
• BIS 422 Clinical Psychology
• BIS 434 Psychology and the Visual Arts
• BIS 437 Narrative Psychology
• BIS 438 Prevention and Promotion
• BIS 449 **Advanced Topics in Psychology
• BIS 457 Thinking and Decision Making
• BISCP 489 Projects in Community Psychology
• BIS 496 **Community Service Project

D. Institutions
• BIS 282 Globalization
• BIS 327 History of U.S. Labor Institutions
• BIS 330 Democratic Capitalism in the United States
• BIS 338 Political Institutions and Processes
• BIS 433 Gender, Work and Family
• BIS 436 Comparative Family Systems
• BIS 441 Global Labor Markets

E. Social Policy and Social Justice
• BEDUC 325 The Dream Project (max 6 credits)
• BIS 219 The Politics of Sex Education
• BIS 224 Introduction to Feminist Studies
• BIS 240 Sustainable Practices
• BIS 243 Introduction to Environmental Issues
• BIS 275 Social Problems
• BISSTS 307 Science, Technology, and Society
• BIS 318 Education and Society
• BIS 325 Disability and Human Rights
• BIS 335 Human Rights in America
• BIS 353 Human Rights in Theory and Practice
• BIS 394 Comparative Economic Development
• BIS 403 Washington DC Seminar on Human Rights
• BIS 405 Environmental Education
• BIS 415 Public Policy and the Law
• BIS 419 Urban Politics and Policy
• BIS 420 Colonizing History in Sub-Saharan Africa
• BIS 426 Comparative Urban Politics
• BIS 443 Educational Policy and the American Economy
• BIS 445 Meanings and Realities of Inequality
• BIS 458 Energy, the Environment and Society

F. Culture and Society
• BIS 205 Technologies of Expression
• BIS 221 Gender and Sexuality
• BIS 222 Travel and Cultural Difference
• BIS 223 Introduction to Narrative Ethnography
• BIS 233 Participatory Media Culture
• BISMSCS 234 **Media and Communication Techniques
• BIS 265 Multicultural America
• BIS 317 Language, Society and Cultural Knowledge
• BISCLA 318 Performance, Identity, Community and Everyday Life
• BISMSCS 333 Media and Communication Studies
• BIS 343 **Media Production Workshop

• BIS 336 Native American Cultures: the Northwest Coast
• BIS 341 **Topics in the Study of Culture
• BISCLA 360 Literature, Film and Consumer Culture
• BISAMS 364 Public Memory and Dissent in American Culture
• BISAMS 365 Exploring American Culture: Popular and Consumer Culture
• BISAMS 367 Exploring American Culture: Race, Ethnicity and Immigration
• BISAMS 368 Sex, Love, Romance
• BIS 369 Women Across Cultures
• BISAMS 369 American Culture and Mass Media
• BIS 418 Masculinity, Homoeroticism and Queer Theory in America
• BIS 431 Issues in Sexual Politics and Cultures
• BIS 440 **Topics in Everyday Social and Cultural Life
• BIS 463 U.S. Women's History
• BIS 465 Performance, History and Memory
• BIS 470 Art, Politics and Social Change
• BIS 471 **Advanced Topics in Media and Communication
• BIS 472 **Advanced Media Production Workshop
• BIS 484 Arts Learning in the Community

G. Ethics, Philosophy and Social Theory
• BIS 260 Introduction to World Religions
• BIS 356 Ethics and the Environment
• BIS 357 Native American Religious and Philosophical Thought
• BISGST 362 Contemporary Political Ideas and Ideologies
• BIS 411 Biotechnology and Society
• BIS 430 Social Theory and Practice
• BIS 435 Interactive Learning Theory

H. Area Studies
• BIS 480 **Study Abroad

Minor in Human Rights
The Human Rights minor is an option for students who are interested in the rapidly emerging field of human rights. The minor is a tri-campus initiative (UW Bothell, UW Seattle and UW Tacoma). Students may, but are not required to, take courses
from more than one campus in order to earn the minor.

Students must complete the following requirements for a minor in Human Rights (25 credits):

- Human Rights Core (Tier One, 10 credits)
- Human Rights Broad Context (Tier Two, 5 credits)
- Human Rights Core or Broad Context (Tier One or Tier Two, 10 credits)

In addition to the courses listed above, students must complete the equivalent of 3 credits of a practical experience in a human rights-related area. This requirement may be met through an internship, practicum, international study abroad program, the Washington D.C. Seminar on Human Rights or a demonstrated equivalent.

For a list of courses which satisfy the requirements listed above, please see our website: http://www.uwb.edu/ias/minors/hrminor.

**Minor in Policy Studies**

The Policy Studies minor is designed to provide students with the analytical foundations they will need to understand policy formation, implementation, and evaluation.

Students must complete the following requirements for a minor in Policy Studies (30 credits):

**Common Core (20 credits)**

- Microeconomics (BCUSP 200 or equivalent)
- BISGST 324 International Political Economy
- BIS 338 Political Institutions and Processes
- Statistics (BBUS 215, BIS 315, STAT 220, 311 or equivalent)

**Methods (5 credits)**

- BIS 312 Approaches to Social Research OR BES 301 Science Methods and Practice

**Elective (5 credits)**

- Choose from the following list of 400-level policy-oriented courses:
  - BIS 403/490 Washington DC Seminar on Human Rights
  - BIS 414 Topics in Human Rights
  - BIS 415 Public Policy and Law
  - BIS 419 Urban Politics and Policy
  - BIS 421 Technology Policy
  - BIS 443 Educational Policy and the American Economy
  - BIS 458 Energy, Environment and Society
  - BIS 466 Human Rights and Resistance
  - BIS 468 Human Rights and Sustainable Development
  - BIS 491 Topics in Policy Studies

Other appropriate policy area courses by approval including BPOLST 492 (Topics in Policy Research).

**Bachelor of Science in Environmental Science**

The Bachelor of Science in Environmental Science prepares students to address environmental challenges facing the world today. Environmental Science students in each of the major’s two degree pathways (Conservation & Restoration Ecology and Earth System Science) develop the depth of scientific understanding, interdisciplinary perspectives, and creative problem-solving skills needed to design and bring about solutions to these problems at local, regional, and global scales.

Housed in the Interdisciplinary Arts and Sciences (IAS) program, the major combines focused study in the natural sciences with a broadly interdisciplinary curriculum, highlighting the ethical, historical, and policy dimensions of environmental issues. By participating in community-based projects ranging from wetlands restoration and conservation planning to analyses of regional air and water pollution, students gain practical experience and make a positive difference while they are still in school.

**Admission Requirements**

NOTE: IAS conducts a holistic review of all applications. A 2.5 minimum cumulative gpa is expected. Special circumstances may allow for admission of students with lower cumulative gpas (between 2.0 and 2.4).

**Applicants applying with 80 or more credits:**

1. 3 years high school math (2 years algebra) or Intermediate algebra in college. Minimum grade of 2.0 if taken in college.
2. Two years (high school) OR 10 quarter credits (college) of a single foreign language or through 102 with a passing grade.
3. English Composition (Five quarter credits), 10 credits preferred to include a writing and research course.
4. Quantitative/Symbolic Reasoning (Five quarter credits in Math or Logic). Does not apply to students who enrolled in college for the first time prior to Autumn Quarter, 1985.
5. 15 quarter credits in Natural World*
6. 15 quarter credits in Visual, Literary, and Performing Arts*
7. 15 quarter credits in Individuals and Societies*

Applicants applying with 45-79 credits:

Same as above, but only 10 credits needed in each of the Areas of Knowledge (Natural World; Visual, Literary and Performing Arts; Individuals and Societies).

See UW Course Equivalency Guide for courses that will fulfill the Areas of Knowledge requirements at individual colleges.

Prerequisites for Both Pathways:
- One quarter of Calculus (BCUSP 124 or equivalent)
- Three quarter General Chemistry sequence (BCUSP 142, 152, 162 or equivalent)
- One introductory Earth System Science course (BIS 242 or Physical Geography or Oceanography or equivalent)
- One introductory Environmental Studies course (BIS 240 or BIS 243 or equivalent)

Additional Prerequisites for the CRE Pathway:
- Three quarter introductory Biology sequence (BES 180, 200, 220 or equivalent)

Additional Prerequisites for the ESS Pathway:
- One quarter of introductory Biology (BES 180 or equivalent)
- One quarter introductory Physics
- A second quarter of introductory Physics (or a second quarter of Calculus (BCUSP 125 or equivalent)

Graduation Requirements
Students pursuing the Environmental Science major must complete the following program requirements, in addition to the general graduation requirements of the University, to be eligible for graduation with the Bachelor of Science degree in Environmental Science:

Graduation Requirements for Both the CRE and ESS Pathways
- BIS 300 Interdisciplinary Inquiry (5)
- BIS 301 Science Methods & Practice (5)
- BIS 315 Understanding Statistics (5)
- BES 312 Ecology (5)
- BES 303 Environmental Monitoring Practicum (2)
- BIS 342 Geographic Information Systems OR BES 439 Computer Modeling & Visualization in Environmental Science (5)
- BES Capstone or approved Independent Research (10)
- BIS 499 Portfolio Capstone (3)

Pathway Requirements

Pathway Core Course Requirements for CRE:
- BES 316 Ecological Methods (5)
- BES 362 Introduction to Restoration Ecology (5)
- BES 485 Conservation Biology (5)
- BES 318 Hydrogeology (5) OR BES 311 Environmental Chemistry (5)

Pathway Distribution Requirements for CRE:
(See below for courses that satisfy pathway requirements)
- Environmental Science (5)
- Methods and Practices (5)
- Society and Environment (5)
- Environmental Policy and Management (5)

Pathway Core Course Requirements for ESS:
- BES 311 Environmental Chemistry (5)
- BES 315 Environmental Chemistry Lab (5)
- BES 318 Hydrogeology (5)
Pathway Distribution Requirements for ESS:
(See below for courses that satisfy pathway requirements)
- Environmental Science (5)
- Methods and Practices (10)
- Society and Environment (5)
- Environmental Policy and Management (5)

General Electives (10 credits)
NOTE: Within the credits taken in the IAS curriculum, students must complete 10 credits each in Visual, Literary and Performing Arts (VLPA); Individuals & Societies (I&S); and Natural World (NW).

NON-MATRICULATED STATUS: NO CREDITS TAKEN IN NON-MATRICULATED STATUS MAY COUNT TOWARD THE 80 MAJOR CREDITS.

The following courses satisfy distribution requirements in the Bachelor of Science in Environmental Science. An open box indicates the course satisfies the distribution requirement for that pathway. A box with an "X" indicates that it does not. Courses are 5 credits unless indicated otherwise in parentheses. Courses taken to fulfill pathway cores may not be used to fulfill distribution requirements.

<table>
<thead>
<tr>
<th>Environmental Science Courses</th>
<th>CRE Pathway</th>
<th>ESS Pathway</th>
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<tbody>
<tr>
<td>BIS 306 Marine Diversity and Conservation</td>
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<tr>
<td>BIS 396 Nature and the Northwest</td>
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<td>BES 311 Environmental Chemistry</td>
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<td>BES 362 Introduction to Restoration Ecology</td>
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<tr>
<td>BES 397 Special Topics in Environmental Science</td>
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<tr>
<td>BES 3xx Environmental Microbiology</td>
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<td>BES 318 Hydrogeology</td>
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<td>BES 430 Air Pollution and Health</td>
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<td>BES 460 Water Quality</td>
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<td>BES 485 Conservation Biology</td>
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<tr>
<th>Methods and Practices Courses</th>
<th>CRE Pathway</th>
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<tbody>
<tr>
<td>BIS 232 Using, Understanding &amp; Visualizing Quantitative Data</td>
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<td>BES 302 Environmental Problem Solving</td>
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<td>BES 315 Environmental Chemistry Lab</td>
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<td>BES 316 Ecological Methods</td>
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<td>BES 317 Soils Laboratory</td>
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<td>BES 342 Introduction to Geographic Information Systems</td>
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<td>BES 415 Advanced Environmental Measurements Laboratory</td>
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<td>BES 439 Computer Modeling &amp; Visualization in Environmental Science</td>
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<td>BES 487 Field lab in Wildland Plants and Soils</td>
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<td>BES 4xx Field Applications in GIS</td>
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<th>Society and Environment Courses</th>
<th>CRE Pathway</th>
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<tbody>
<tr>
<td>BIS 356 Ethics and the Environment</td>
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<td>BIS 358 Issues in Environmental Science</td>
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<td>BIS 386 Global Environmental Issues</td>
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<td>BIS 390 Ecology and the Environment</td>
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<td>BIS 391 Environmental History of the Pacific Northwest</td>
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<td>BIS 392 Water and Sustainability</td>
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<td>BIS 395 Future Washington</td>
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<td>BIS 3xx Topics in Environmental Studies</td>
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<td>BIS 396 Topics in Sustainability</td>
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<td>BIS 405 Environmental Education</td>
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<td>BIS 411 Biotechnology and Society</td>
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<td>BIS 458 Energy, Environment &amp; Society</td>
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<tr>
<td>BIS 459 Conservation and Sustainable Development</td>
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Environmental Policy & Management Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>CRE Pathway</th>
<th>ESS Pathway</th>
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<tbody>
<tr>
<td>BIS 346</td>
<td>Topics in Environmental Policy</td>
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<tr>
<td>BIS 3xx</td>
<td>Environmental Policy</td>
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<tr>
<td>BES 486</td>
<td>Watershed Ecology and Management</td>
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<td>BIS 4xx</td>
<td>Land Use Planning &amp; Conservation</td>
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<tr>
<td>BIS 4xx</td>
<td>Environmental Management</td>
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<tr>
<td>BIS 4xx or BBUS 4xx</td>
<td>Environmental Management</td>
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**Bachelor of Science in Nursing**

The RN-to-BSN completion program is accredited as part of the University of Washington School of Nursing and awards a University of Washington degree. We combine the UW School of Nursing’s acclaimed professional program with the University of Washington Bothell’s well-rounded arts and sciences curriculum, building a foundation of knowledge in nursing science, humanities and social sciences, and related professional coursework. Critical thinking, decision making, and oral and written communication skills are emphasized.

The Bachelor of Science in Nursing program was first offered at University of Washington Bothell in 1992 and as of 2010 has over 1400 alumni.

The Nursing Program at UW Bothell is committed to providing access. It is based on an understanding that the student is a practicing nurse who must balance professional and personal responsibilities with educational pursuits. The UW Bothell program offers:

- Part-time and full-time study options, core nursing classes 1 day per week either option.
- Summer (on-campus) and Autumn (on-campus Mount Vernon, and Everett) admissions
- A program that values professional experience.
- A program that fosters the application of course content to your professional practice.
- An opportunity to explore your own interests.
- Preparation for graduate education

**Director**

Professor Mary Baroni, Ph.D., RN, 1988, Cornell University; human development and family studies

**Faculty**

Associate Professor Mary E. Abrums, Ph.D., RN 1995, University of Washington; sociocultural anthropology

Assistant Professor, Cheryl Cooke, Ph.D., RN 2002, University of Washington; nursing

Assistant Professor Mabel Ezonewu, Ph.D., RN 2008, University of Washington; nursing

Associate Professor Andrea Kovalesky, Ph.D., RN 1997, University of Washington; nursing

Professor Carol J. Leppa, Ph.D., RN 1990, University of Illinois at Chicago; nursing science

Senior Lecturer Elizabeth Madison, Ph.D., RN 2007, University of Washington; nursing

Assistant Professor Selena Mohammed, Ph.D., RN 2004, University of Washington; nursing

Assistant Professor Heidi Petry, Ph.D., RN 2000, University of Washington; nursing

Senior Lecturer Jerelyn Resnick, Ph.D., 2002, University of Washington, education

Professor Suzanne Sikma, Ph.D., RN 1994, University of Washington; nursing

Assistant Professor Christopher Wade, Ph.D., RN 2005, Wesleyan University, molecular biology/biochemistry; MPH, 2008, Johns Hopkins University, public health

Senior Lecturer Linda Westbrook, Ph.D., RN 1994, University of Washington; nursing

**Admission Requirements**

1. Associate degree or diploma in nursing
2. Proof of current licensure for practice as a Registered Nurse in Washington State
3. A minimum of 80 quarter credits
4. Successful completion of NCLEX-RN Exam
5. Two years of a single foreign language in high school or two quarters of a single foreign language in college
6. Two years of high school algebra or intermediate algebra in college (the University of Washington does not grant
credit for intermediate algebra, but successful completion of a course at or above this level is required of all students admitted)
7. English Composition 5 credits
8. Visual, Literary, and Performing Arts (Humanities) 15 credits
9. Individuals & Society (Social Sciences) 15 credits
10. Statistics 3 to 5 credits
11. Advanced Math or Logic 5 credits (may be petitioned)
12. Inorganic chemistry 5 credits (college level)
13. Microbiology 3 to 5 credits
14. Anatomy & Physiology 10 to 12 credits (may be taken by Excelsior Proficiency Exams)
15. A grade of 2.0 or higher is required in each Nursing Program prerequisite, and applicants must show evidence of good academic standing (an overall transfer grade-point average of 2.0 or higher) to be considered for admission.

Program Structure

Summary of Credits
- Transfer Credit - 90
- NCLEX-RN Exam Credits - 45
- Upper-Division Nursing Courses - 30
- Non-Nursing UWB Electives - 15
Total – 180

Graduation Requirements
- 180 or more total credits
- 90 credits must be upper division (300-400 level)
- Completion of last 45 credits at UWB
- Overall grade-point average of 2.0 or higher
- Completion of all admission and program requirements, as outlined above.

The University of Washington Bothell offers two MBA programs, the Technology MBA (TMBA) Program at Bothell and the Leadership MBA (LMBA) Program at Bellevue. Both programs are AACSB-accredited, evening degree programs developed in collaboration with representatives from leading software, telecommunications, biotechnology, and high-tech manufacturing companies.

The MBA Programs offered by UW Bothell provides an exceptional and rigorous learning environment and are taught by nationally recognized graduate faculty recruited from premier institutions in the U.S. The programs are built on a core of traditional business courses such as strategy, finance, economics, accounting, statistics, marketing, operations, project management and organizational behavior.

The Technology MBA Program at Bothell enables students in technology centered enterprises to develop their intrapreneurship and entrepreneurship skills and prepares them to create innovative high-growth businesses within established organizations or start-up new businesses. The Leadership MBA Program at Bellevue enables aspiring leaders from a wide range of industries to develop the analysis, problem-solving, communication and team work skills necessary to maximize their leadership potential. A hallmark of the LMBA Program is a workshop series where successful managers share their winning strategies and a practicum where students work with mentors and leadership coaches in integrating the theory and practice of leadership.

Students are challenged and supported as they strive to develop their leadership and management expertise. With the right degree of commitment, program participants can look forward to graduating with the skills, knowledge, and confidence needed to effectively lead in the global marketplace.

Graduate Faculty

P.V. (Sundar) Balakrishnan, Professor; Ph.D., University of Pennsylvania, The Wharton School; marketing
Alan Boss, Assistant Professor; Ph.D., University of Maryland; organizational behavior and leadership

Keji Chen, Assistant Professor; Ph.D., Ohio State University; accounting

Paul Collins, Associate Professor; Ph.D., Rutgers University; technology, innovation, organization and management theory

Walter Freytag, Senior Lecturer & Associate Director (Undergraduate Programs); Ph.D., Pennsylvania State University; industrial and organizational psychology

Ben Galvin, Assistant Professor; Ph.D., Arizona State University; organizational behavior.

Juan Camilo Gomez, Assistant Professor; Ph.D., University of Minnesota; economics

Lorna Hardin, Assistant Professor; Ph.D., University of Pittsburgh; accounting

Timothy Hargrave, Assistant Professor; Ph.D., University of Minnesota; organizational management

Manuela Hoehn-Weiss, Assistant Professor; D.B.A., Boston University; strategic management

A. Steven Holland, Professor; Ph.D., Michigan State University; economics and finance

Deanna Kennedy, Assistant Professor; Ph.D., University of Massachusetts Amherst; operations and supply chain management.

Tayfun Keskin, Assistant Professor; Ph.D., The University of Texas at Austin; management information systems

Sandeep Krishnamurthy, Professor and Director, Business Administration Program; Ph.D., University of Arizona; marketing and e-commerce

Kevin Laverty, Associate Professor; Ph.D., University of California, Los Angeles; business policy and organizational studies (on leave during 2009-10)

Alan Leong, Lecturer; M.S.E., University of Washington; operations and information systems

Valarie Li, Assistant Professor; Ph.D., University of Washington Seattle; accounting

Ying Li, Assistant Professor; Ph.D., University of Massachusetts, Amherst; finance

Alison Lo, Assistant Professor; Ph.D., Duke University; marketing

James M. Miller, Associate Professor; Ph.D., Purdue University; finance

Pete Nye, Associate Professor; Ph.D., Duke University; marketing, statistics & quantitative methods

Surya Pathak, Assistant Professor; Ph.D., Vanderbilt University; operations and supply chain management

S. Gowri Shankar, Associate Professor & Associate Director (Graduate Programs); Ph.D., Syracuse University; finance and accounting

Admission Requirements
The MBA programs at UW Bothell invite applications from professionals who have an undergraduate degree in any field. Prior courses in business are not required.

MBA applicants should be highly motivated and have a personal record of achievement and responsibility. Duration and type of professional work experience figure prominently in the evaluation of applicants. To ensure a dynamic and productive learning environment, participants should also be adept at managing their time, challenging themselves, and combining their business experience and coursework in meaningful ways.

In assessing your application to the MBA Program of your choice, the admission committee will consider:

1. Previous work experience including type, duration, level of responsibility, career progression, and recent community service;
2. Recent GMAT (Graduate Management Admission Test) or GRE (Graduate Record Examination) score
3. Previous academic performance;
4. Response to two essay questions;
5. Recommendations from two professional and/or academic references; and
6. TOEFL (or IELTS) score, less than two years old, for applicants whose undergraduate degree is not from an accredited US institution or whose native language is not English.

To learn more details about the UWB MBA admissions requirements and deadlines, please visit our website: [www.uwb.edu/mbta](http://www.uwb.edu/mbta).
Master of Education

In the Master of Education program, students are encouraged to think deeply about the complex nature of education and to explore questions central to their professional growth. Students should be committed to energizing their teaching and to building collegial relationships with other professionals who share common goals, commitments, and professional questions. They should also be committed to growing in the skills of writing, critical thinking, and collaborative learning. Master of Education students must complete a minimum of 46 credits.

Director and Professor

Bradley S. Portin, D. Phil., 1995, education studies, Oxford University, Oxford, England

Faculty and Staff

Robin Angotti, Ph.D., 2004, mathematics education, North Carolina State University, Assistant Professor
Wayne Au, Ph.D., 2007, curriculum and instruction, University of Wisconsin Madison, Assistant Professor
Cherry A. McGee Banks, Ed.D., 1991, educational leadership and public administration, Seattle University, Professor
G. Thomas Bellamy, Ph.D., 1975, special education, University of Oregon, Professor
Dana Bigham, M.Ed., 1998 higher education administration, University of Washington, Program Coordinator, Secondary and Middle Level Teacher Certification M.Ed. Program
Amelia Bowers, M.Ed., 1993, science, University of Washington, Education Program Advisor
Jean Eisele, Ed.D., 1998, education, Seattle Pacific University, Senior Lecturer
Karen Gourd, Ph.D., 1998, curriculum and instruction, University of Washington, Assistant Professor
Hayley Hillson, Manager and Graduate Program Assistant
Allison Hintz, 2010, mathematics education, University of Washington, Assistant Professor

Jon Howeiler, M.Ed., 1998, school administration, Seattle Pacific University, Program Officer for Field Experiences and Certification
Pamela Bolotin Joseph, Ph.D., 1978, social studies education, Northwestern University, Senior Lecturer and Professional Certification Program Administrator
Susan Morgan, Office Assistant III
Carole Kubota, Ph.D., 1985, curriculum and instruction, University of Washington, Associate Professor Emeritus
Kimberly McKay, B.A., 1975, dramatic art, University of California Berkley, Teacher Certification Program Coordinator/Advisor
Nancy Place, Ph.D., 2000, curriculum and instruction, University of Washington, Associate Professor
Antony Smith, Ph.D., 2006, curriculum and instruction, University of Washington, Assistant Professor
Carrie Tzou, Ph.D., 2006, science, Northwestern University, Assistant Professor
Jane Van Galen, Ph.D., 1986, social foundations of education, University of North Carolina at Chapel Hill, Professor

Core Courses

The program generally begins with three core courses. These courses focus on:

- Examination of research methodologies and the generation of research questions.
- The use of multicultural education as a theoretical foundation for examining the ways in which students' biographical journeys, values, and beliefs influence the questions they raise and the framing of those questions.
- Organizational change and school reform as well as the responsibilities of professional leadership related to educational change.

Individual Program of Study

In addition to the core courses and the Culminating Project, students may choose elective courses under the guidance of their faculty advisor. These may be selected from M.Ed. courses, or students may elect to take appropriate courses in other academic programs such as the UW Bothell Master of Arts in Policy Studies or the College of Education at UW Seattle. A maximum of twelve credits of graduate-
level coursework may be taken outside the Education program.

Reading Endorsement
The Reading Endorsement at the UW Bothell is designed for practicing teachers who hold and elementary or secondary teaching certificate. Teachers who complete the requirements for the Reading Endorsement will be prepared to be reading specialists or literacy coaches. At this point, the Reading Endorsement at the UW Bothell is offered only to students who are pursuing a M.Ed. degree.

In order to complete a Reading Endorsement through UW Bothell, you must complete an approved Reading Endorsement course of study (24 credits) which will help you meet the areas of competency established by the Office of Superintendent of Public Instruction (OSPI). This course of study will also help you meet the higher levels of competency established by the International Reading Association for reading coaches or specialists. You must also successfully certify on the Reading Praxis examination to meet state requirements.

Curriculum
You will work with a faculty advisor to develop an individualized plan for completing the 24 credits required for the Reading Endorsement. The course schedule has been established so that you can complete the requirements over a two-year period while attending school on a part-time basis. You can choose from the following courses offered by UW Bothell to fulfill those requirements:

- Literacy Coaching
- Writing Across the Curriculum
- Early Literacy Development and Instruction
- Teaching Reading to Adolescents

Culminating Projects
Students may select a Culminating Project from the following options.

Inquiry Project: The focus of an inquiry project is the improvement of professional practices and educational programs through the implementation of change or innovation in an educational setting; it extends over three quarters under the advisement of a faculty advisor.

Academic Project: A professional paper is written under the advisement of a faculty member following submission and approval of a description of the proposed paper; it extends over two quarters and includes a public presentation of the completed work.

Professional Portfolio: This portfolio provides an opportunity for students to reflect on their learning and professional growth through the construction of a culminating portfolio. It serves to document and deepen their understanding of the competencies they have gained as a result of their participation in the program. It extends over two quarters and also requires the development of a personal philosophy paper.

National Board Portfolio
Those interested in pursuing National Board Certification can develop a portfolio to National Board specifications under the guidance of a faculty member. The portfolio preparation extends over two quarters.

M.Ed. Completion Dossier
The M.Ed. Completion Dossier provides an opportunity for candidates to demonstrate comprehensive knowledge, skills, and dispositions associated with the program's overall goals for academic learning and improvement of professional practice in education. The completion dossier ensures breadth of academic work and application of knowledge in each candidates' work toward the
M.Ed. degree, guided by the Education Program’s goals for the degree.

The Completion Dossier contains four sections:

(I) An **introduction** to the Completion Dossier, in which the student describes how four academic products and one application product to be presented in the dossier, taken as a whole, meet the Education Program’s learning goals as these are elaborated in the rubric for completion dossiers.

(II) **Four substantive academic products** normally developed in conjunction with four different graduate courses.

(III) **One** of the following products that demonstrate **application of knowledge** in the student’s practice:
- National Board Portfolio Draft
- Professional Certification Portfolio
- Practitioner Research Paper
- Critical Literature Review

(IV) **A reflection**

**Admission Requirements**
To be accepted into the Master of Education program, applicants must meet the following minimum requirements:
- A bachelor’s degree from an accredited institution
  - G.P.A. in the last 90 credits of upper-division graded coursework
Applications will also be evaluated on the basis of:
- Admission essay
- Two letters of recommendation
- Resume

**Graduate School Requirements**
In addition to University of Washington Bothell requirements, students must meet the following requirements to receive the master’s degree:
- At least 18 numerically graded credits must be taken at the 500 level or above.
- The Graduate School accepts numerical grades (1) in approved 400-level courses accepted as part of the major, and (2) in all 500 level course work. A minimum cumulative G.P.A. of 3.00 is required.

- All work for the Master of Education degree must be completed within six years.
- For matriculated graduate students in another program, a maximum of 10 credits of graduate course work may be considered for transfer into the program based on the provisions and regulations of the Graduate School. A minimum grade of 3.0 is required for each course.
- A maximum of six credits at the graduate level may be considered for transfer into the program for non-matriculated graduate students. A minimum grade of 3.0 is required for each course.
- No courses below the 300 level will be accepted.
- For additional Graduate School requirements that may apply to you, see the University of Washington General Catalog.

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**Master of Arts in Policy Studies**

The curriculum of the MA in Policy Studies reflects an innovative, integrated approach to the study of contemporary policy issues in local and global contexts, and prepares students for policy related careers in public, private, and non-profit organizations. It is founded on the belief that students attain their highest levels of understanding and proficiency when combining practice with theory and connecting classroom and real life environments.

Through class seminars, small group collaboration, field research, internships, and a capstone project, students acquire the depth of knowledge, practical experiences, and professional skills that position them for success in the world of policy.

Policy Studies students enter the program as a cohort in Autumn Quarter of each year. Core courses are offered as seminars that meet once a week. These seminars are combined with on-line and/or individual and small group discussions, workshops, case studies and analytical projects, as well as field experiences and applied research
opportunities. The course of study culminates with a Capstone Project.

**Faculty Profile**

**Tom Bellamy**, Ph.D. University of Oregon, 1975, Special Education; Professor, Education, and Founding Director, the Goodlad Institute

**Bruce Burgett**, Ph.D., 1993, University of California/Berkeley, English; Director of IAS

**Shauna Carlisle**, Ph.D., 2007 University of Washington, Social Welfare, Lecturer

**Nives Dolšak**, Ph.D., 2000, Indiana University, Bloomington; public and environmental affairs and political science, Associate Professor

**Diane Gillespie**, Ph.D., 1982, University of Nebraska, Lincoln; educational psychology & social foundations, Professor/IAS

**Martha Groom**, Ph.D., 1995, University of Washington; zoology, Professor/IAS

**Cinnamon Hillyard**, Ph.D., 1999, Utah State University; applied mathematics, Assistant Professor/IAS

**Dan Jacoby**, Ph.D., 1986, University of Washington; economics, Professor/IAS

**Bruce Kochis**, Ph.D., 1979, University of Michigan; Slavic languages and literature, Senior Lecturer

**Keith Nitta**, Ph. D. University of California, Berkeley, Political Science, Assistant Professor

**Andrea Stone**, Ph.D., 2005, Johns Hopkins University, Public Health, Lecturer

**Elizabeth Thomas**, Ph.D., 1998, University of Illinois, Psychology, Associate Director for Graduate Education, Associate Professor

**Admission Requirements**

The application to the MA in Policy Studies is submitted electronically. The first step is to open an application account on the Graduate School website. Then you can upload application materials, designate recommenders, report test scores, track the receipt of paper and electronic documents, pay the $65 application fee, and submit all materials for review. Your application is not reviewed until all items have been received and you have completed the application electronically. The application can be saved multiple times while in progress.

The complete set of materials that you will be required to submit are as follows:

- **An application to the Graduate School** and application fee
- **A letter of application** to the Policy Studies program describing your relevant background and articulating your goals in seeking a Policy Studies degree
- **A current resume** showing relevant academic, professional, and community experience
- **Three letters of reference**, including two from faculty who can discuss your academic ability.
- **An individual academic essay** demonstrating your academic research ability, critical thinking skills and writing proficiency
- **Scores on the Graduate Record Exam (GRE)**
- **All official transcripts** from prior academic work (including community and technical college, college, and university)
- **Any additional documentation** relevant for consideration by the MA in Policy Studies Admissions Committee *(optional)*

**Course Sequence**

Policy Studies students enter the program as a cohort in Autumn Quarter. Students register for 10 or more credits per quarter and complete their degree within two years.

The course of study culminates with a Capstone Project based on either a policy-related internship experience or an applied field research project. Visit the UWB web page for current course offerings.
The Master of Arts in Cultural Studies (MACS)

The Master of Arts in Cultural Studies at the University of Washington Bothell offers an integrative approach to the study of culture across diverse locations. Designed for a small cohort, Cultural Studies prepares students for careers in social, cultural, and arts fields or further interdisciplinary graduate education across the arts, humanities, and social and natural sciences.

The MA in Cultural Studies is the first graduate program in the Pacific Northwest, and one of very few programs nationally, to partner the interdisciplinary study of art and culture with a community-based learning network. The program offers students multiple opportunities to develop and document educational experiences and professional skills suited to their individual career goals.

The Cultural Studies curriculum allows students to integrate diverse content areas and research methods, to develop the competencies central to the interdisciplinary study of art and culture, and to participate in community action research and experiential learning opportunities. The program’s unique blend of academic and community-based methods of inquiry and forms of professional practice provides students with the skills that are essential for future success as cultural workers in the rapidly shifting regional and national landscape of social, cultural, and arts organizations.

Faculty Profile
Cultural Studies builds on strengths within the IAS and UW Bothell faculty across a wide variety of arts, humanities, and social science disciplines, methods, and media, including cinema studies, communications, art history, philosophy, performance studies, social and cultural history, political economy, geography, literature, sociology, anthropology, education, ethnography, and various experiential pedagogies such as service-learning and action research.

Bruce Burgett, Ph.D., 1993, University of California/Berkeley, English, Director of IAS and Professor

JoLynn Edwards, Ph.D., 1982, University of Washington, Art History, Professor

Benjamin Gardner, Ph. D., Geography, University of California, Berkeley, Assistant Professor

Diane Gillespie, Ph.D., 1982, University of Nebraska, Lincoln; Educational Psychology & Social Foundations, Professor

Michael Goldberg, Ph.D., American Studies, 1992, Yale University, Associate Professor

David Goldstein, Ph.D., Comparative Culture, University of California, Irvine, Lecturer

Susan Harewood, Ph.D., University of Illinois, Urbana Champaign, Assistant Professor

Jeanne Heuving, Ph.D., 1988, University of Washington, English, Professor

Gray Kochhar-Lindgren, Ph.D., Interdisciplinary Studies: Philosophy, Literature, and Cultural Theory: Emory University, Professor & Director: Center for University Studies and Programs
Kanta Kochhar-Lindgren, Ph.D., Performance Studies, New York University, Associate Professor

Bruce Kochis, Ph.D., 1979, University of Michigan, Slavic Languages and Literature, Senior Lecturer

Ron Krabill, Ph.D., Sociology & Historical Studies, 2003, New School for Social Research, Associate Professor

Kari Lerum, Ph.D., Sociology, 2000, University of Washington, Associate Professor

Joe Milutis, Ph.D., Modern Studies, University of Wisconsin-Milwaukee, Assistant Professor

Bill Seaburg, Ph.D., Anthropology, 1994, University of Washington, Professor

Julie Shayne, Ph.D., 2000, University of California Santa Barbara, Sociology, Lecturer

Eric Stewart, Ph.D., Clinical-Community Psychology, 2000, University of Illinois, Assistant Professor

Elizabeth Thomas, Ph.D., 1998, University of Illinois, Psychology, Associate Director for Graduate Education, Associate Professor

Rob Turner, Ph.D., Marine Science, 1999, University of North Carolina at Chapel Hill, Assistant Professor

Linda Watts, Ph.D., American Studies, 1989, Yale University, Professor

Application Procedure
To ensure a successful match between program and applicant, the Cultural Studies Admissions Committee will review the applicant’s qualifications and readiness to do graduate level work through a comprehensive and holistic review of his or her application materials.

Application Process
The application to the MA in Cultural Studies is submitted electronically. The first step is to open an application account on the Graduate School website. Then you can upload application materials, designate recommenders, report test scores, track the receipt of paper and electronic documents, pay the $65 application fee, and submit all materials for review. Your application is not reviewed until all items have been received and you have completed the application electronically. The application can be saved multiple times while in progress.

The complete set of materials that you will be required to submit are as follows:

- An application to the Graduate School and application fee
- Three letters of reference, including one from faculty who can discuss your academic ability
- A letter of application, two to three pages in length, articulating your goals in seeking an MA in Cultural Studies degree, describing your relevant background, and relating both to the materials enclosed in your application
- A current resume or curriculum vitae
- A writing sample demonstrating your research skills, critical and creative thinking abilities, and writing capacities
- All official transcripts from prior academic work (college, university, technical school)
- [Optional] 1 - 2 items representative of your best work. Items may include your media or creative work, products of your research activities, documentation of community-based or activist projects in which you have played a central role, or any other materials that you consider relevant to your application.

Course Sequence

<table>
<thead>
<tr>
<th>Year One</th>
<th>Autumn</th>
<th>Winter</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCULST 500: Formations of Cultural Studies (10 credits)</td>
<td>BCULST 501: Cultural Studies Research Practices (5 credits)</td>
<td>BCULST 502: Cultural Studies as Collaboration (5 credits)</td>
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<td></td>
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<td>Cultural Studies elective (5 credits)</td>
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### Master of Nursing

UW Bothell's Nursing Program offers graduate study leading to the Master of Nursing (MN) degree. This program is designed to meet the needs of working nurses who are interested in advancing their careers through graduate education.

Central to the program is the development of leadership skills in practice, research and education through theory, research, and program development and evaluation. Core values emerge through selected course work in ethics, aesthetics and diversity and social justice. At UW Bothell, the core MN curriculum highlights scholarly inquiry, health care systems, policies, and social issues related to the pressing health issues facing our state, nation, and the global community. Students pursue scholarly inquiry through a committee guided project that often is completed in collaboration with the students’ current workplace. Focused field work in the second year permits substantive experience in a variety of settings in order to examine advanced nursing roles and apply core concepts into the real-world context of health care. The program provides exceptional faculty support and considers the student-faculty relationship to be paramount.

The program utilizes a cohort model with students admitted each fall. The first year focuses on core content consistent with AACN’s Essentials of Master’s Education. The second year provides the opportunity for individualized specialization through electives, fieldwork and scholarly projects that prepare graduates for advanced nursing roles in a variety of health-related settings.

The MN program is designed with block course scheduling with classes one day per week (Fridays). This includes 6 credits (2 courses) per quarter scheduled over 7 quarters of part-time graduate study. Occasionally students extend their course of study over an 11 quarter sequence taking 3 credits (1 course) per quarter for the first 2 years and 6 credits (2-3 courses) during their third year. Course work may be started prior to formal admission to the program as a graduate non-matriculated student (GNM). GNM status allows the student to complete graduate-level courses of which up to 12 credits may later be applied toward the Master of Nursing degree.

#### What defines MN studies at the University of Washington Bothell?

- Small, one day per week (Friday) classes
- Part-time study over 7 or 11 quarters
- Exceptional faculty and staff support
- Strong academic-community partnerships
- Emphasis on leadership preparation for advanced nursing roles
- Population-based focus
- Individualized specialization building on clinical expertise and interests
- Interdisciplinary campus environment

#### Why Seek a Master’s Degree in Nursing at UW Bothell?

- Improve your career mobility and professional network
- Cultivate sophistication in your own advanced practice
- Gain skills to pro-actively improve the health care system, the health of populations of interest and the health of the community.

#### Program Goals

Graduates of the Master of Nursing program are able to:

- Evaluate the adequacy of underlying knowledge from nursing science, related
fields and professional foundations as it informs advanced practice.

- Competently assess and manage health-related issues within a defined population or care system, and evaluate the effectiveness of these advanced nursing practices.
- Utilize knowledge and skills in professional practice among diverse and multicultural populations.
- Demonstrate competence in development of inquiry relevant to practice, education or administration.
- Develop and utilize leadership strategies that foster improvement of health care.

**Admission Requirements**

Admission to the Master of Nursing program is open to any professional registered nurse licensed to practice in Washington state who meets the following criteria:

- Graduation from an accredited nursing program
- GPA of 3.0 or higher
- Baccalaureate degree in nursing or related field
- 3-credit basic statistics course
- Graduate Record Exam (GRE) is no longer a requirement for admission as of Autumn 2007.

The application process includes documentation of the above admission criteria as well as a personal goal statement that is congruent with program outcomes, references, and a professional resume describing educational background and professional experience.

**What kind of experience(s) is preferred in applicants?**

- Professional goals should be congruent with program goals.
- Last 90 graded credits with a 3.0 GPA or better
- Evidence of clinical practice experience in the U.S. in a professional role.
- Ability to communicate professionally in English, both verbally and in writing.

**Program Structure**

**Credits**

- Nursing Science and Foundations - 15
- Scholarly Inquiry – 9-12
- Clinical/Fieldwork – 4-6
- Electives – 6-11

Minimum credits 41-42

**Master of Science in Computing & Software Systems**

The Master of Science in Computing & Software Systems partners advanced studies in computer science with detailed analysis of software engineering methodologies. By coupling theoretical computing concepts with real-world problems, students develop the breadth of skills necessary to succeed in today’s competitive software profession.

Supported by the collaborative and personal learning environment at UW Bothell, students gain the expertise and confidence to drive innovative changes within their industry. Our graduates are prepared for rewarding positions and advanced career opportunities in sectors such as software development, biotech, medicine, aerospace, entertainment, and finance.

The MS CSS degree is 45 credits, and can be completed by either full-time or part-time students.

**Director**

Michael David Stiber, Ph.D., 1992, University of California, Los Angeles, computer science

**Faculty**

Arnold Berger, Ph.D., 1971, Cornell University; materials science
Frank Cioch, Ph.D., 1985, University of Michigan; computer and communication sciences
William (Bill) W. Erdly, Ph.D., 1991, University of Washington; social/organizational psychology
Munehiro Fukuda, Ph.D., 1997, University of California, Irvine; information and computer science
Charles F. Jackels, Ph.D., 1975, University of Washington; physical chemistry
Alan Leong, M.S.E., 1997, University of Washington; industrial engineering  
Clark F. Olson, Ph.D., 1994, University of California Berkeley; computer sciences  
John R. Rasmussen, Ph.D., 1972, Dartmouth College; mathematics  
Michael David Stiber, Ph.D., 1992, University of California, Los Angeles; computer science  
Kelvin Sung, Ph.D., 1992, University of Illinois at Urbana-Champaign; computer science  
Carol S. Zander, Ph.D., 1995, Colorado State University; computer science  
Adjunct Faculty  
Laurie Anderson, Ph.D., 2004, Union Institute and University, cultural ecology  
Mark Kochanski, M.S., 1984, Purdue University; economic geology

Master's Preparation Sequence (MPS)  
Master's Preparation Sequence (MPS) courses are designed for those who lack formal training, but have a strong passion for software engineering. Courses in the Masters Preparation sequence do not count towards the 45 credits required by the MSCSS; instead they are viewed as equivalent preparation to the MSCSS admission requirements. Students taking the preparation sequence are required to have at least two quarters of object-oriented programming, and one calculus course prior to beginning the sequence, as well as having completed a bachelor's degree. MPS courses are offered on a quarterly basis, and are aimed at the working professional. MPS courses are expected to be taken as a consecutive sequence, unless otherwise directed by the Computing & Software Systems Program.

Admission to the MSCSS degree requires the following course equivalencies or completion of the Masters Preparation Sequence, in addition to a Bachelors degree. Bachelor's degrees can be in the computing field or other discipline.

Admission Requirements to MS CSS  
A Bachelor of Science in Computing & Software Systems, Computer Science, or related field showing the following curriculum (or completion of the Masters Preparation Sequence):

Fundamental Object-Oriented Programming  
Intermediate Object-Oriented Programming  
Data Structures & Algorithms  
Discrete Mathematics  
Software Engineering  
Analysis and Design

Please contact the Computing & Software Systems Graduate Advising Office to establish equivalent competencies. Curriculum in the MSCSS program will build upon these competencies in core and elective classes. Applicants seeking establishment of competencies should be ready to submit course syllabi or detailed course descriptions of equivalent coursework. Please view our website for additional information on admission.

IX. Teacher Certification

K-8 Teacher Certification Program  
The UW Bothell K-8 Teacher Certification Program prepares innovative, ethical practitioners who are grounded in intellectual and professional communities and who are dedicated to educating diverse students. Programs of study in Education have been created to serve time-bound and place-bound residents of the North Puget Sound region who seek access to high-quality, affordable educational experiences.

The Teacher Certification Program offers two options that lead to a Washington State Residency Certificate with an endorsement in Elementary Education. Endorsements in Middle Level-Humanities, Middle Level-Math, and Middle Level-Science are also available.

(OPTION I)  
The Five Quarter Program  
This program is primarily a full-time program designed for those who already hold a bachelor's degree or are in the final quarter of a degree program. Only the first of the five quarters offers part-time evening coursework.

(OPTION II)  
The Extended Program
This program begins with three and a half quarters (10 months) of part-time evening coursework and transitions to three quarters of full-time coursework during the day starting in mid to late August. A bachelor’s degree must be completed before full-time coursework begins.

Candidacy Criteria
The ideal candidate for the Teacher Certification Program can demonstrate:

- Breadth of knowledge, experience, and skills sufficient to teach Language Arts, Social Studies, Fine Arts, Mathematics, Science, Fitness/Health.
- Commitment to the intellectual, emotional, physical, and social growth of children.
- Commitment to personal, intellectual and emotional development.
- Commitment to learn the skills necessary to work with ethnically, culturally, socio-economically, and gender diverse student populations.
- Flexibility to adapt in varied, complex, and dynamic settings.
- Excellent oral and written communication skills.

Academic Requirements
To be considered for the K-8 Teacher Certification Program, applicants must have:

- A minimum grade point average of 3.0 in the most recent 90 graded upper-division quarter hours. (Strong applications that do not document a 3.0 GPA may be considered.)
- Passed all three sections of the Basic Skills Test (WEST-B) in Reading, Writing and Mathematics.

Additionally, you must complete the following before starting full-time coursework:

- A bachelor’s degree from an accredited institution.
- Pass the WEST-E in Elementary Education and/or Middle Level endorsements.
- Documentation of academic breadth. For each subject area listed below, applicants must document completed college courses in the subject area, including the year taken and grades. A minimum grade of 2.0 (or grade of C) in the academic breadth courses is required:
  - English Writing/Composition
  - Literature (e.g. American, British, world, multicultural)
  - Speech Communications
  - U.S. History
  - Geography
  - Life Sciences
  - Physical Sciences (lab required with either life or physical science)
  - Mathematics: Two mathematics courses 100 level and above that demonstrate competencies in at least two of the following areas: probability and statistics, number theory, algebra, and geometry (no distance learning)
  - Fine Arts (visual arts, drama, music or dance)

Secondary and Middle Level Teacher Certification (M.Ed.)

The program is designed to be completed over six consecutive quarters. Each fall a group of students will begin the program as a cohort and progress together to complete the Master of Education in the spring of their second year. Students in the cohort at this time are also pursuing teacher certification with one or more endorsements in any of the five subjects (Biology, English/Language Arts, History, Mathematics, and Social Studies).

The first year of the program is comprised of evening courses designed to introduce students to the field of Education and the practices of innovative and ethical teaching. The second year, students are enrolled in daytime courses and field based settings where they practice what they have learned and complete their program of study. This is the general schedule for the program. The schedule may be adjusted in future academic years as the program is typically in a state of continuous change and improvement.
Courses
The Secondary and Middle Level Teacher Certification M.Ed. students take courses that are designed to foster their professional expertise and state-of-the-art knowledge in pedagogy, curriculum, teacher leadership, multiculturalism, and cross-curricular literacy. They will have numerous opportunities to learn along with experienced teachers in M.Ed. classes, including core courses of the M.Ed. Program.

All of the participants in the UW Bothell Master of Education program take three core courses. These courses focus on:
- Examination of research methodologies and the generation of research questions.
- The use of multicultural education as a theoretical foundation for examining the ways in which students’ biographical journeys, values, and beliefs influence the questions they raise and the framing of those questions.
- Organizational change and school reform as well as the responsibilities of professional leadership related to educational change.

Endorsement Area
A significant portion of the program is spent examining instruction and assessment of a chosen endorsement area. Endorsement areas currently supported by the program are:
- Biology
- English Language Arts
- History
- Mathematics
- Social Studies

Students also choose an elective course under the guidance of a faculty advisor. This may be selected from M.Ed. courses, or from appropriate courses in other academic programs such as the UW Bothell Master of Arts in Policy Studies. Up to twelve credits of graduate-level coursework may be taken at the University of Washington, Seattle.

Fieldwork
Secondary and Middle Level Teacher Certification M.Ed. students spend two full-time quarters in field placements in which they have increasing curricular and instructional responsibility. Guided and supported by faculty, clinical faculty and cooperating teachers, students will have multiple opportunities to learn, observe, and apply a variety of instructional methods and tools in different educational settings.

Completion Dossier
The M.Ed. Completion Dossier provides an opportunity for candidates to demonstrate comprehensive knowledge, skills, and dispositions associated with the program's overall goals for academic learning and improvement of professional practice in education. The completion dossier ensures breadth of academic work and application of knowledge in each candidates' work toward the M.Ed. degree, guided by the Education Program's goals for the degree.

The Completion Dossier contains four sections:
(I) An introduction to the Completion Dossier, in which the student describes how four academic products and one application product to be presented in the dossier, taken as a whole, meet the Education Program's learning goals as these are elaborated in the rubric for completion dossiers.
(II) Four substantive academic products, normally developed in conjunction with four different graduate courses.
(III) One product that demonstrates application of knowledge in the student's practice in the form of an Electronic Portfolio.
(IV) A reflection

Upon successful completion of the program, graduates will have earned both a Master of Education degree and a Washington State Residency Certificate with an endorsement(s) in Biology, English/Language Arts, History, Mathematics, and/or Social Studies.

Admission Requirements
To be admitted to the Secondary and Middle Level Teacher Certification Master of Education program at the University of Washington Bothell, applicants must simultaneously be admitted to the Graduate School of the University of Washington.
Applicants must also meet the following requirements:

- Bachelor’s degree from an accredited institution.
- Transcript Evaluation to ensure completion of appropriate courses in endorsement area
  - GPA of 3.0 or higher in the last 90 quarter credits or 60 semester credits of graded upper-division coursework
- 60 hours of work with secondary or middle level youth, with at least 30 hours in U.S. public high school or middle school classrooms
- Pass all three sections of the Basic Skills Test (WEST-B)
- Pass the WEST-E in endorsement area(s)

The required application materials are detailed on the Secondary Application Checklist page.

In addition to University of Washington Bothell requirements, you must meet the following requirements to receive your degree and certification:

- At least 18 numerically graded credits must be taken at the 500 level or above.
- The Graduate School accepts numerical grades (1) in approved 400-level courses accepted as part of the major, and (2) in all 500 level course work. A minimum cumulative G.P.A. of 3.00 is required.
- All work for the Master of Education degree must be completed within six years.
- No courses below the 300 level will be accepted. For additional Graduate School requirements that may apply to you, see the University of Washington General Catalog.

Transfer Credits

If you were a matriculated graduate student in another program, a maximum of 10 credits of graduate course work may be considered for transfer into the program based on the provisions and regulations of the Graduate School. A minimum grade of 3.0 is required for each course.

A maximum of six credits at the graduate level may be considered for transfer into the program if you were not a matriculated graduate student. A minimum grade of 3.0 is required for each course.
X. Course Descriptions

The course descriptions contain information on courses offered at UW Bothell. Course descriptions may change quarterly, visit www.washington.edu for the most current descriptions or consult the appropriate academic unit or advisor for more current of specific information.

Business Administration Course Descriptions

Business (B BUS)

B BUS 201 Introduction to Business (5) I&S
Provides an overview of the entire business function. Topics may include entrepreneurship, leadership, marketing management, financial management, and technology and innovation.

B BUS 210 Principles of Financial Accounting (5)
Preparation and use of accounting reports with primary focus on uses of accounting for external reporting. Understand financial statements and prepare statements that accurately present to external entities corporate financial position, operating results, cash flows, and financial strength.

B BUS 211 Principles of Managerial Accounting (5)
Uses accounting information for business planning and control purposes. Focuses on internal use of accounting information and topics include cost behavior, product costing, budgeting, performance management, and responsibility accounting. Proficiency in identifying relevant information from operational and strategic decisions. Prerequisite: B BUS 210.

B BUS 215 Introduction to Business Statistics (5) QSR
Introduces descriptive statistics, probability concepts, and statistical inference emphasizing statistical applications useful in decision making and research in the social sciences. Topics include exploratory data analysis, correlation, sampling theory, estimation, hypothesis testing, and simple regression analysis. Concepts are illustrated through case problems in sociology, psychology, consumer economics, and business.

B BUS 300 Management of Organizations (4) An introduction to management from a macro perspective. Includes leading management theories, recent case studies of world-class organizations, new research finding, and presentations by leading business executives. Co-requisite: B BSKL 300.

B BUS 305 Managerial Communication (4)
Focuses on the importance of written and oral communication for managerial success. Involves hands-on individual and group experience in preparing business documents and delivering business presentations. Co-requisite: B BSKL 305.

B BUS 309 Quantitative Analysis for Business (5)
Introduction to mathematical tools used for analysis of business problems; appreciation for the use of these tools in business situations; calculus, and linear algebra.

B BUS 310 Managerial Economics (5)
Applies economic principles and quantitative methods to improve managerial decision making. Topics covered include: demand analysis, cost analysis, forecasting, asset valuation, information economics, government regulation of business.

B BUS 320 Introduction to Marketing Management (5) Focuses on designing tools, concepts, and strategies for problem solving in marketing management. Prerequisite: minimum grade of 1.7 in B BUS 310.

B BUS 320 Introduction to Marketing Management (5) Focuses on designing tools, concepts, and strategies for problem solving in marketing management.

B BUS 330 Information Management and Analysis (5) Study of the methods of gathering, structuring, analyzing and applying information in business organizations. A survey of the changes in organizations resulting from new knowledge technologies provides a framework
for intensive study of a variety of tools used to gather, structure, analyze or apply information.

B BUS 340 Operations and Project Management (5) Examines service and manufacturing processes that deliver value to customers, introduces concepts and tools for critical analysis, emphasizes operating priorities (quality, cost, delivery, flexibility, social responsibility) and the underlying factors that support them. Prerequisite: minimum grade of 1.7 in B BUS 310.

B BUS 350 Business Finance (5) Focuses on understanding the sources, uses, costs, and control of funds in business organizations. Issues include the internal management of working capital, sources of capital, financing new ventures, capital budgeting, and financing the growth of businesses. Prerequisite: minimum grade of 1.7 in B BUS 310.

B BUS 361 Intermediate Accounting I (5) Examines the accounting framework and principles used to determine the income and the financial position of a firm. Develops a conceptual and applied understanding of the preparation of financial statements and processing of transactions that support them. Stresses income measurement, asset acquisition, valuation, and allocation. Prerequisite: B BUS 310.

B BUS 362 Intermediate Accounting II (5) Analyzes current accounting theory and practices used in preparing and presenting financial statements. Focuses on the accounting treatment of transactions concerning current and long-term liabilities, leases, taxes, post-retirement benefits, and shareholders' equity. Prerequisite: minimum grade of 1.7 in both B BUS 350 and B BUS 361.

B BUS 363 Advanced Financial Accounting (5) Examines the reporting of earnings and changes in stockholder equity, consolidation of financial statements for subsidiaries, and accounting for foreign currency gains and losses. Evaluates current methods used to report accounting errors and the effects of changes in accounting principles. Prerequisite: minimum grade of 1.7 in B BUS 362.

B BUS 373 Cost Accounting (5) Examines the use of accounting and operational data for internal planning and control purposes. Focus includes job-order and process costing, activity based budgeting, profit planning, responsibility accounting, standard costing and variance analysis, transfer pricing and performance evaluation systems. Prerequisite: B BUS 310.

B BUS 401 Work Motivation and Performance (5) Provides students with an understanding of the factors influencing individual motivation and performance in work environments. Includes employee attitudes and personality, goal setting and reward systems, communications, power, and conflict management, job design, and organizational culture and change.

B BUS 402 Managing Work Teams (5) Provides students with an understanding of the factors influencing team effectiveness in work environments. Includes team process, decision making, conflict resolution, team creativity, external dynamics, and emerging issues in managing teams.

B BUS 411 Auditing Theory and Practice (5) Provides intensive exposure to the attestation functions in accounting, including provisions of the Sarbanes-Oxley legislation. Analyzes the environment, process, and report of the public auditor. Discusses theory and practice related to the auditing environment, including general audit technology, programmatic applications and reporting obligations. Prerequisite: B BUS 361.

B BUS 421 Consumer Marketing (5) Examines the process by which consumer goods and services are brought to the market. Analyzing existing markets to identify problems and opportunities, developing and modifying products, establishing and managing distribution, setting prices and undertaking promotional efforts, especially advertising. Emphasizes mass marketing and end
users. Prerequisite: minimum grade of 1.7 in B BUS 320.

**B BUS 423 Marketing Research (5)** Focuses on the major methodologies of marketing research. Deals with the entire research process, from problem definition, research design, questionnaire construction, and sample selection to data collection and analysis. Introduction to various standard and state-of-the-art data analyses techniques and software packages. Prerequisite: minimum grade of 1.7 in B BUS 320.

**B BUS 423 Market Intelligence (5)** Focuses on the major methodologies of marketing research. Deals with the entire research process, from problem definition, research design, questionnaire construction, and sample selection to data collection and analysis. Introduction to various standard and state-of-the-art data analyses techniques and software packages. Prerequisite: minimum grade of 1.7 in B BUS 320.

**B BUS 424 Marketing Research Practicum (5)** Students work with a client organization, designing, conducting, and reporting the results of a market-research project. Provides hands-on experience with all aspects of the marketing research process. Emphasizes practical issues and challenges in problem definition, research design, data collection, and reporting. Prerequisite: minimum grade of 1.7 in B BUS 423.

**B BUS 426 International Marketing (5)** Integrated study of institutions, factors, and trends that have a bearing on global business operations and strategy. Utilizes lectures, research, case studies, guest speakers, and extensive practical application of modern marketing principles. Special emphasis on developing a marketing plan for the export of product or service. Prerequisite: B BUS 420.

**B BUS 429 Special Topics in Marketing (5, max. 20)** Topics of current interest to faculty and students. Offered when allowed by faculty availability and sufficient student interest. Prerequisite: minimum grade of 1.7 in B BUS 320.

**B BUS 431 Electronic Marketing (5)** Critically analyze new marketing models; study how firms can effectively leverage new technology and maximize long-term profits. Includes: web marketing strategy, e-commerce issues, channel issues, pricing models, advertising and promotion models and business plans. Prerequisite: minimum grade of 1.7 in B BUS 320.

**B BUS 435 Accounting Information Systems (5)** Provides in-depth coverage of accounting information systems from the perspectives of accounting transition cycles. Examines systems processes, flowcharting and internal controls relevant to each transaction processing cycles. Discusses various technologies underlying accounting information systems, including stand-alone and integrated enterprise application. Prerequisite: B BUS 361.

**B BUS 438 Marketing Management Laboratory (5)** Capstone marketing course. Covers the development and implementation of tactical as well as the strategic aspects of marketing decisions. Integrates marketing concepts from other marketing classes to formulate coherent marketing decisions. Topics include multi-product, multi-market businesses, and challenges inherent in developing and implementing marketing decisions in a complex environment. Analysis of markets, businesses and competitive situations in order to make sound decisions. Prerequisite: minimum grade of 1.7 in B BUS 320; any one of the following with a minimum grade of 1.7: B BUS 421, B BUS 423, B BUS 424, B BUS 425, B BUS 429, or B BUS 431.
implementing marketing decisions in a complex environment. Analysis of markets, businesses and competitive situations in order to make sound decisions. Prerequisite: minimum grade of 1.7 in B BUS 320; any one of the following with a minimum grade of 1.7: B BUS 421, B BUS 423, B BUS 424, B BUS 425, B BUS 426, B BUS 429, or B BUS 431.

B BUS 441 Business Project Management (5) In-depth coverage of skills that prepare students for rules as business project leaders and team members. Topics include project selection, risk, definition, stakeholder analysis, communication plans, scheduling, software, resource allocation, monitoring, post-project assessment. Emphasis on critical thinking and analysis. Prerequisite: minimum grade of 1.7 in B BUS 320; minimum grade of 1.7 in B BUS 340; minimum grade of 1.7 in B BUS 350.

B BUS 441 Business Project Management (5) In-depth coverage of skills that prepare students for rules as business project leaders and team members. Topics include project selection, risk, definition, stakeholder analysis, communication plans, scheduling, software, resource allocation, monitoring, post-project assessment. Emphasis on critical thinking and analysis. Prerequisite: minimum grade of 1.7 in B BUS 340.

B BUS 443 Entrepreneurship Seminar (5) Creates or works within a new venture. New venture situations include for-profit and non-profit companies and launching new products/services within existing companies. Develops a business plan.

B BUS 444 Product Development Laboratory (5) Technology project and product development within the dynamic of time-pressured competition. Systematically improve products to beat competition and win the customer. Topics include benchmarking, competitive intelligence, and managing small group product development.

B BUS 449 Accounting Practices in Not-for-Profit Organizations (5) Examines accounting and reporting practices in governments, universities, hospitals and charitable foundations. Focuses on fund accounting fundamentals, followed by a review of current challenges in budgeting, auditing, and reporting to multiple stakeholders. Prerequisite: B BUS 361.

B BUS 450 Federal Income Taxation (5) Examines federal income tax principles that apply to gross incomes, deductions, property transactions and compensation. Equips students with the tools to conduct basic tax research and planning. Focuses primarily on the taxation of individuals, with some exposure to corporate and partnership environments. Prerequisite: B BUS 350; B BUS 361.

B BUS 451 Financial Policy and Planning (5) Emphasizes major current theories and practices in the field of financial management. Topics include financial ratio analysis; break-even analysis; cash, marketable securities, inventory, and accounts receivable management models; dividend policy; short-term and long-term financing decisions; and international finance. Prerequisite: minimum grade of 1.7 in B BUS 350.

B BUS 453 Financial Institutions and Markets (5) Role of banks and non-bank financial institutions in the financial system; asset choices of banks and non-bank financial institutions; problems in the management of financial institutions with emphasis on commercial banks. Prerequisite: minimum grade of 1.7 in B BUS 350.

B BUS 454 Investments (5) Introduction to the nature, problems, and process of evaluating particular securities and portfolio construction and administration. Special attention is directed to the risk and rate of return aspects of particular securities portfolios; and total wealth. Prerequisite: minimum grade of 1.7 in B BUS 350.

B BUS 455 Futures and Options (5) Introduction to the field of derivative securities, focusing in particular on futures, forwards, and options. Pays special attention to the use of derivative
securities in the management of risk and the general principles underlying the pricing of derivative securities. Prerequisite: minimum grade of 1.7 in BUS 454.

**BUS 459 Special Topic in Finance (5)** Study and research topics of current concern to faculty and to students pursuing the finance concentration. Prerequisite: minimum grade of 1.7 in BUS 350.

**BUS 461 Business, Government, and Society (5)** Covers capitalism and its critics; corporate social responsibility and business ethics; government and politics; regulation business; stakeholders and interest groups; the role of technology and the future of business. Prerequisite: minimum grade of 1.7 in BUS 300; B SKL 300; minimum grade of 1.7 in BUS 310.

**BUS 462 Negotiations and Conflict Management (5)** Explores creative, integrative approaches to conflict resolution. Bargaining games, role-plays, cases, issues in conflict management, interpersonal influence processes, ethical implications of bargaining problems and personal negotiating styles. Prerequisite: minimum grade of 1.7 in BUS 300; B SKL 300; minimum grade of 1.7 in BUS 320.

**BUS 463 Advanced Financial Accounting (5)** Examines the reporting of earnings and changes in stockholder equity, consolidation of financial statements for subsidiaries, and accounting for foreign currency gains and losses. Evaluates current methods used to report accounting errors and the effects of changes in accounting principles. Prerequisite: minimum grade of 1.7 in BUS 362.

**BUS 464 New Product Marketing (5)** Focuses on the process of New Product Marketing. Examines the contemporary practices of market development as it complements new product development. Emphasis given to understanding customer value, its measurement and relationship to new product design. Practical exposure through focused homework, student projects, and case studies. Prerequisite: minimum grade of 1.7 in BUS 320.

**BUS 465 Applied Financial Accounting (5)** Emphasizes what analysts and managers need to know about the issues and procedures involved in the preparation of the financial statement, rather than on the actual preparation of the statements. Prepares students for professional certification as management accountants or financial analysts. Prerequisite: minimum grade of 1.7 in BUS 350.

**BUS 466 Applied Managerial Accounting (5)** Examines the principles of management accounting and the tools and techniques used to prepare and disseminate management accounting reports. Prepares students for professional certification as management accountants or financial analysts. Prerequisite: minimum grade of 1.7 in BUS 350.

**BUS 470 Business Policy and Strategic Management (5)** Capstone course. Focuses on identification, analysis and resolution of managerial problems; creation and implementation of management policies in business organizations; and revision of policies over time. Prerequisite: minimum grade of 1.7 in BUS 300; B SKL 300; minimum grade of 1.7 in BUS 320; minimum grade of 1.7 in BUS 340; minimum grade of 1.7 in BUS 350.

**BUS 471 Entrepreneurial Management (5)** Focuses on the processes of entrepreneurship within an organization, including how to create products and services which add value to consumers, how to start and nurture a new business venture, and how to develop and sustain innovation within existing organizations. Prerequisite: minimum grade of 1.7 in BUS 300; B SKL 300; minimum grade of 1.7 in BUS 320; minimum grade of 1.7 in BUS 340; minimum grade of 1.7 in BUS 350.
business venture, and how to develop and sustain innovation within existing organizations.

B BUS 472 Managing Employees (5) Focuses on how companies are succeeding through innovative human-resource practices and on the steps that managers can take to overcome barriers to change in order to meet the challenges of today and the future. Prerequisite: minimum grade of 1.7 in B BUS 300; B BSKL 300.

B BUS 473 Leadership and Decision Making (5) The manager is seen as a business leader and decision-maker. Covers various individual and group-level decision-making models. Prerequisite: minimum grade of 1.7 in B BUS 300; B BSKL 300.

B BUS 475 Managing Innovation (5) Examines topics such as the nature of innovation, technology strategy, organizational and technical capabilities, and new product development processes. Course requirements typically include readings, case analyses, classroom discussion, and research project(s). Open to Business or CSS students having senior status.

B BUS 476 New Technology and Future Markets (5) Examines the business dynamics of technological revolutions. The primary objective is to help managers critically analyze the potential impacts of upcoming "leading edge" technologies on their industry sector. Students engage in forecasting a high technology sector. Prerequisite: minimum grade of 1.7 in B BUS 300; B BSKL 300; minimum grade of 1.7 in B BUS 320; minimum grade of 1.7 in B BUS 350.

B BUS 477 Human Resource Management (5) Provides an introduction to the strategic role of the Human Resource function within modern organizations. Examines HR management practices associated with individual and organizational effectiveness, employee satisfaction and motivation; develops an understanding of how general managers can apply these concepts in dealing with their employees. Prerequisite: minimum grade of 1.7 in B BUS 300; B BSKL 300.

B BUS 479 Special Topics in Management (5, max. 20) Topics of current interest to faculty and students. Offered when allowed by faculty availability and sufficient student interest. Prerequisite: minimum grade of 1.7 in B BUS 300; B BSKL 300.

B BUS 480 Global Environment of Business (5) Focuses on the major changes and issues facing businesses and managers operating in an increasingly global environment. Emphasizes topics such as trade policy, accelerating advances in technology, the changing nature of the workforce, and societal expectations of business. Problems and issues from the perspective of directing the entire business enterprise. Prerequisite: minimum grade of 1.7 in B BUS 300; B BSKL 300; minimum grade of 1.7 in B BUS 320; minimum grade of 1.7 in B BUS 340; minimum grade of 1.7 in B BUS 350.

B BUS 489 Digital Business Lab (5) MIS concentration capstone. Provides a broad understanding of the impact of information technology on the corporation. Uses various learning tools such as case studies, portfolios, site visits, visiting speakers, and term papers. Prerequisite: minimum grade of 1.7 in B BUS 330; B BSKL 300; minimum grade of 1.7 in CSS 341; minimum grade of 1.7 in CSS 360.

B BUS 490 Special Topics in Business (5, max. 20) Topics of current interest to faculty and students. Offered when allowed by faculty availability and sufficient student interest. Prerequisite: minimum grade of 1.7 in B BUS 300; B BSKL 300; minimum grade of 1.7 in B BUS 310.

B BUS 491 Business Consulting (5) Applies principles and methods of consulting to organizations. Teams work as consultants for local businesses, applying management theory and concepts to develop strategic and tactical solutions to client-driven problems involving multiple functions.

B BUS 497 Guided Internship (1-10, max. 10) A significant research project planned and carried
out by the student under the direction of one or more faculty.

**B BUS 498 Directed Readings (3-5, max. 15)** A significant research project planned and carried out by the student under the direction of two or more faculty.

**B BUS 499 Undergraduate Research (1-5, max. 15)** Individual advanced research on topics related to business issues and conducted under the direction of one or more instructors.

**B BUS 500 Quantitative Business Methods (2)** Reviews fundamental concepts of differential calculus, descriptive statistics and probability theory, emphasizing applications most useful in modeling business problems. Topics include differentiation and optimization, descriptive statistics, measures of association, probability concepts, decision analysis and discrete and continuous probability distributions. Concepts are illustrated through case problems in business. Credit no credit only. Offered: S.

**B BUS 501 Leadership, Team Process and Decision Making: A Workshop (4)** Examines factors associated with leader and team effectiveness using high- and low-element exercises and lecture/discussion. Introduces management analysis and decision-making using the case study method. Three-day off-campus retreat followed by two Saturdays on campus. Credit no credit only. Offered: A.

**B BUS 502 Quantitative Methods and Business Statistics (6) Lo, Nye** Reviews descriptive statistics, exploratory data, and probability distributions. Examines the theory and methods of statistical inference, emphasizing those applications most useful in modeling business problems. Topics include sampling theory, estimation, hypothesis testing, linear regression, analysis of variance, and several advanced applications of the general linear model. Offered: A.

**B BUS 503 Financial and Managerial Accounting (6)** Explores how accounting information is generated and used in planning, decision-making, performance evaluation and reporting processes. Examines current problems relating to revenue and expense recognition, and valuation of assets and liabilities. Other topics include: product and service costing, activity-based costing, variance analysis and performance evaluation. Offered: A.

**B BUS 504 Economics for Business Leaders (4)** Considers some of the most important economic aspects of a business enterprise including demand and cost analysis, pricing strategy (including auctions), and the economics of information. Highlights the usefulness of game theory. Offered: W.

**B BUS 505 Financial Management (6)** Provides an introduction to investment and financing decisions and the models used to make those decisions. Topics include: time value of money, capital budgeting, portfolio theory and diversification, bankruptcy, risk and return, capital structure, and dividend policy. Prerequisite: B BUS 503; B BUS 504. Offered: Sp.

**B BUS 506 Marketing Management (4)** Facilitates the development of a customer orientation and explores the use of the marketing mix of product, price, place and promotion to create, communicate and deliver value to targeted customer segments. Explains how marketing strategy is developed, implemented, and controlled in high-technology marketplaces. Prerequisite: B BUS 504. Offered: Sp.

**B BUS 507 Global Business (4)** Synthesizes and extends perspective on global business environment. Demonstrates how choices related to organization and strategy (such as outsourcing and diversification) require an understanding of trade theory and policy, differences in national cultures, and international institutions. Prerequisite: B BUS 504; B BUS 505; B BUS 506. Offered: Sp.

**B BUS 508 Business Law and Ethics (4)** Provides an understanding of the impact of legal considerations on managerial decision making. Topics include anti-trust law, intellectual
property law, consumer protection and investor protection. Prerequisite: B BUS 525. Offered: W.

B BUS 509 Operations and Project Management (4) Pathak Addresses key operations issues in small, medium, and large scale, service and manufacturing organizations. Uses a blend of theory, cases, analytical techniques, business examples, videos, and class discussions. Introduces Project Management (PM) as a complementary weapon that helps managers in managing medium to large, complex projects. Prerequisite: B BUS 525. Offered: W.

B BUS 510 Organizational Theory and Knowledge Management (4) Explores intangible assets and "meso" issues that underpin organizational effectiveness. Topics include organizational phenomena (cultures, structures, routines, capabilities, life cycles), intellectual capital, and knowledge management (creating, maintaining, and diffusing knowledge). Projects require application of best practices to personally relevant situations. Offered: Sp.

B BUS 511 Strategic Management in High-Technology Firms (4) Focuses on major top management decisions, emphasizing how competitive advantage is created and maintained through planning and strategy. Using reading and cases, demonstrates importance in technology industries of external environments (customers, competitors, science and technology, laws), organizational phenomena (structure, processes, decision making), and an international perspective. Offered: A.

B BUS 512 Strategy (4) Hoehn-Weiss, Laverty Focuses on major top management decisions, emphasizing how competitive advantage is created and maintained through planning and strategy. Using readings and cases, demonstrates importance in diverse industries of external environments (customers, competitors, science and technology, laws), organizational phenomena (structure, processes, decision making), and an international perspective. Offered: A.

B BUS 514 Business Communications for Leaders (4) Focuses on making written and spoken communications effective and authentic, using case studies of several communication challenges that occur in organizations. Teaches how successful communication is both intentional and strategic; and how to formulate communication goals, understand your audience, and use the correct approach in each situation. Offered: S.

B BUS 521 Enterprise IT Management (4) Focuses on critical issues for aligning information technology resources with the enterprise. Demonstrates the role of company mission and objectives on decisions regarding project approval and implementation. Topics include: project due diligence; technology process management; technology agility; enterprise system implementation, legal and ethical aspects, and contemporary issues. Offered: S.

B BUS 522 Organizational Behavior (4) Improves student’s effectiveness as managers and leaders. Introduces frameworks for understanding organizational processes. Includes a one-day, overnight retreat to help second-year students to reflect on their experiences, and examine progress toward their development goals to enhance success during the second year. Prerequisite: B BUS 501. Offered: A.

B BUS 523 New Product Marketing and Marketing Engineering (6) Addresses market entry strategies, innovation diffusion, estimating market potential, segmenting markets, and designing optimal products and services. Employs lectures, cases, services project, and computer simulation to understand successful innovations. Prerequisite: B BUS 506. Offered: A.

B BUS 524 Creativity and Innovation Management (4) Provides senior management perspective and analytical frameworks for managing creativity and innovation to achieve strategic goals and objectives. Topics include the language of
innovation, use of lateral thinking and group collaboration techniques to create breakthrough new ideas, and building innovation eco-systems through integration of strategy, process, organization, and technologies.

B BUS 525 Technology and Innovation Management (4) Provides a general manager’s perspective on the management of innovation. Focuses on conceptual frameworks and analytical tools for managing innovation throughout the firm. Topics include the nature of innovation, how organizational and technical capabilities affect innovation, product/process development systems, and technology implementation. Offered: W.

B BUS 526 Entrepreneurship Practicum (4) Focuses on providing immersive real-life experiences that require application of fundamental business principles. Students in the "new venture" track make a trial presentation to practitioners at the quarter’s end. Students in the "live case" track meet pre-established and agreed-upon goals. Prerequisite: B BUS 521. Offered: W.

B BUS 527 Global Business (2) Synthesizes and extends perspective on global business environment. Demonstrates how choices related to organization and strategy (such as outsourcing and diversification) require an understanding of trade theory and policy, differences in national cultures, and international institutions. Prerequisite: B BUS 506, B BUS 507, B BUS 508, B BUS 509, B BUS 522. Offered: Sp.

B BUS 531 Leadership and Managerial Effectiveness (4) Freytag Focuses on leadership and managerial effectiveness. Builds upon students’ knowledge of factors which influence leadership behavior and the critical personal and interpersonal associated with leadership. At a one-day, overnight retreat, students engage in an organizational simulation and receive feedback from faculty and mentors. Prerequisite: B BUS 501. Offered: A.

B BUS 532 Marketing Research (6) Balakrishnan, Lo, Nye Focuses on the major methodologies of marketing research. Deals with the entire research process, from problem definition, research design, questionnaire construction, and sample selection to data collection and analysis. Introduces various standard and state-of-the-art data analyses techniques and software packages. Prerequisite: B BUS 506. Offered: A.

B BUS 541 Advanced Corporate Finance (4) Miler Reviews basic financial concepts and introduces more advanced financial tools. Uses case analysis to confront the complexities of real-world financial situations. Students work to identify relevant issues necessary to address the financial problems raised in cases. Prerequisite: B BUS 505. Offered: S.

B BUS 542 Customer Satisfaction Models (5) Examines the role of customer satisfaction in a market economy; how information on customer satisfaction can be used to understand the economy, to help investment decisions, and to improve business management. Theoretical objectives include broadening the pre-purchase and post-purchase decision-making focus into the consumption and post-consumption areas. Offered: S.

B BUS 543 Investments (4) Examines various types of investment securities and derivatives, the mechanics of security markets, the relationship between risk and return, and the distinction between fundamental and technical analysis. Prerequisite: B BUS 505. Offered: S.

B BUS 544 Negotiations (4) Examines the theory and processes of negotiation. Includes a broad spectrum of negotiation problems. Credit/no credit only.

B BUS 545 Technology Management Field Study (5)

B BUS 546 Seminar on Global Economic Issues (4) Analyzes economic structures and trends in national across the globe and examines their implications for business decision-making.
Examines how these economies are influenced by political, legal, regulatory, and technological issues in a global context. Offered: S.

**BUS 550 Global Commercialization of Sustainable Technologies (4)** Students work on faculty-supervised interdisciplinary teams (with students from business, sciences/engineering, and public policy) to develop business plans for commercializing environmentally friendly technologies around the world. The projects involve collaborating with EPA’s Environmental Technology Commercialization Center, with Battelle Labs, and with Puget Sound businesses.

**BUS 551 Investment Management and Practice (4)** Examines various types of investment securities and derivatives, the mechanics of security markets, the relationship between risk and return, and the distinction between fundamental and technical analysis. Offered: S.

**BUS 552 Customer Satisfaction Models (5)** Examines the role of customer satisfaction in a market economy; how information on customer satisfaction can be used to understand the economy, to help investment decisions, and to improve business management. Theoretical objectives include broadening the pre-purchase and post-purchase decision-making focus into the consumption and post-consumption areas. Offered: S.

**BUS 553 Negotiations (4)** Examines the theory and processes of negotiation. Includes a broad spectrum of negotiation problems. Credit/no credit only.

**BUS 590 Special Topics for MBA Study (4)** Topics of interest Business faculty and students. Offered when allowed by faculty availability and sufficient student interest.

**BUS 600 Independent Study or Research (1-5)** Independent study or research on business topics conducted under the direction of one or more instructors. Offered: AWSpS.

**BUS 600 Independent Study or Research (1-4)** Independent study or research on business topics conducted under the direction of one or more instructors. Credit/no credit. Offered: AWSpS.

**BUS 601 MBA Internship (4)** Provides a circumscribed practical experience at an organization under the supervision of a faculty member. Credit no credit only. Offered: AWSpS.

**Business Skills**

**BSKL 200 Preparing for the Business World (5)** Examines professionalism, productivity, communication, networking, and career management. Develops skills for business case analysis, project planning and management, public speaking, writing, team work, and introspection. Credit/no credit only.

**BSKL 300 Business Team Skills (1)** Collins, Kelley, Walters Introduces students to the characteristics of effective teams, team processes, stages of group development, leadership behaviors, meeting management, and team performance diagnosis. Must be taken concurrently with B BUS 300, Management of Organizations. Credit/no credit only. Offered: AW.

**BSKL 305 Business Research Skills (1)** Kelly, Miller Familiarize students with analytical reasoning and research methods, the case method of teaching, and group writing skills. Provides students with the tools necessary to succeed in the UWB Business Program. Must be taken concurrently with B BUS 305, Managerial Communication. Credit/no credit only. Offered: AW.

**Eastside Learning Center - Business**

**ELCBUS 300 Management of Organizations (5)** Introduces management from a macro perspective. Includes leading management theories, recent case studies of world-class organizations, new research finding, and presentations by leading business executives.
ELCBUS 301 Business Statistics (5) QSR
Examines statistical methods useful in modeling business problems. Topics include exploratory data analysis and the visual representation of data, probability distributions, statistical inference (sampling theory, estimation, hypothesis testing), and multiple regression models. Concepts illustrated through case problems and the intensive use of statistical software.

ELCBUS 310 Managerial Economics (5)
Applies economics principles and quantitative methods to improve managerial decision making. Topics include demand analysis, cost analysis, forecasting, asset valuation, information economics, and government regulation of business. Prerequisite: minimum grade of 1.7 in ELCBUS 301.

ELCBUS 320 Introduction to Marketing Management (5)
Focuses on designing tools, concepts, and strategies for problem solving in marketing management. Prerequisite: minimum grade of 1.7 in ELCBUS 301.

ELCBUS 330 Information Management and Analysis (5)
Examines core technologies vital to enterprise information technology management. Topics include architectural considerations in high tech enterprises, internet tools, and enterprise resource planning systems.

ELCBUS 340 Operations and Project Management (5)
Examines service and manufacturing processes that deliver value to customers, introduces concepts and tools for critical analysis, and emphasizes operating priorities (quality, cost, delivery, flexibility, social responsibility) including the underlying factors that support them. Prerequisite: minimum grade of 1.7 in ELCBUS 310.

ELCBUS 350 Business Finance (5)
Focuses on understanding the sources, uses, costs, and control of funds in business organizations. Issues include the internal management of working capital, sources of capital, financing new ventures, capital budgeting, and financing the growth of businesses. Prerequisite: minimum grade of 1.7 in ELCBUS 310.

ELCBUS 380 Introduction to Organizational Behavior (5)
Examines frameworks and models for understanding the factors that influence the effectiveness of individuals, teams, and organizations. Topics include employee motivation, leadership, team dynamics, communication, and organizational culture and change.

ELCBUS 382 Government, Business, and Society (5)
Examines the relationship of business to society for the perspective of the business manager. Considers business' relationships with both commercial and non-commercial stakeholders. Topics including business ethics, influence of business and government on each other, and relative roles of the two in achieving society’s economic, social, and environmental goals.

ELCBUS 380 Introduction to Organizational Behavior (5)
Examines frameworks and models for understanding the factors that influence the effectiveness of individuals, teams, and organizations. Topics include employee motivation, leadership, team dynamics, communication, and organizational culture and change.

ELCBUS 384 History and Globalization (5)
Examines the process of globalization from a historical perspective and applies a systems theory framework based on the insights of modern science to enhance understanding of the process.

ELCBUS 470 Business Policy and Strategic Management (5)
Focuses on identification, analysis, and resolution of managerial problems; creation and implementation of management policies in business organizations; and revision of policies over time. Prerequisite: a minimum grade of 1.7 in each of ELCBUS 320; ELCBUS 340; ELCBUS 350; and ELCBUS 380.

Computing & Software Systems Course Descriptions

Computing & Software Systems (CSS)

CSS 105 Interdisciplinary Information Technology (5) QSR
Excursions into the characteristics, organization, and use of computers and computing. Designed for non-CSS
majors. Topics vary, addressing social, scientific, ethical, and business underpinnings and implications of information technology. Explores applications used in problem solving. Does not count credit toward the CSS degree or CSS minor.

**CSS 106 Computer Animation (5) VLPA/NW,QSR**
Uses the creation of computer generated animation as a means to study communication of ideas based on digital media. Studies modeling, rendering, and animation with hands-on experimentation and practices.

**CSS 161 Fundamentals of Computing (5) NW,QSR**
Introduction to programming concepts within social, cultural, scientific, mathematical, and technological context. Topics include programming fundamentals (control structures, data types and representation, operations, functions and parameters), computer organization, algorithmic thinking, introductory software engineering concepts (specifications, design, testing), and social and professional issues (history, ethics, applications).

**CSS 162 Programming Methodology (5) NW,QSR**
Transition from basic programming skills to a rigorous process of software development. Familiarization with higher level programming techniques (recursion, generic programming) and constructs (object-orientation, lists, stacks, queues, searching, sorting). Emphasizes connection between mathematical/algorithimic thought (logic, sets, functions, number bases) and implementation. Prerequisite: minimum grade of 2.7 in CSS 161.

**CSS 198 Supervised Study (1-5, max 6)**
Supervised exploration of computing-related topic or concept.

**CSS 199 Computing Research (1-5, max. 6)**
Exploration of computing research activities and processes as specified in a contract with a faculty member.

**CSS 211 Computers and Society (5) I&S**
Exploration and discussion of issues related to the development, support, and usage of computing technology in today's society. Topics vary each quarter but include coverage of areas related to intellectual property rights, privacy, freedom of speech, liability, ethics, and labor.

**CSS 225 Physics and Chemistry of Computer Components and Their Manufacture (5) QSR**
Jackels Examination of the basic physics and chemistry underlying the design and manufacture of computer components. Introduction to the electronic structure of the solid state, the nature of p-n junctions, and basic transistor design. Aspects of materials and polymer science and photolithography employed in microchip manufacture. May not be repeated.

**CSS 263 Programming and Discrete Mathematics (5)**
Abstract representation as tools for software design. Fundamentals of mathematical thinking (predicate calculus, functions, relations, proofs, computational complexity) applied to abstract data types (lists, stacks) and algorithmic strategies (divide-and-conquer, greedy). Pointers and memory management in programming languages. Prerequisite: minimum grade of 2.5 in both CSS 162 and B CUSP 124.

**CSS 290 Topics in Computing (1-5, max, 10)**
Examines current topics and issues associated with computing that are of broad relevance.

**CSS 301 Technical Writing for Computing Professionals (5)**
Explores methods for writing effective system specifications, user documentation and requests for proposals (RFPs). Examines RFP analysis techniques, writing plans, proposals, marketing documentation, and customer communications. May not be repeated.

**CSS 330 Topics in Mathematics for Software Development (1-5, max. 10)**
Topics in intermediate mathematics as applied within the context of computer software application development. Topics chosen from the fields of intermediate calculus and finite mathematics.

**CSS 332 Programming Issues with Object-Oriented Languages (2) Zander Covers**
language and development/environment differences, including data types, control structures, arrays, and I/O; addressing and memory management issues including pointers, references, functions, and their passing conventions; object-oriented design specifics related to structured data and classes.

Co-requisite: CSS 342

CSS 341 Fundamentals of Programming Theory and Applications (5) Fundamental concepts and techniques for analysis, design and implementation of computer programming. Prerequisite: CSS 161; may not be repeated.

CSS 342 Mathematical Principles of Computing (5) Integrating mathematical principles with detailed instruction in computer programming. Explores mathematical reasoning and discrete structures through object-oriented programming. Includes algorithm analysis, basic abstract data types, and data structures. Prerequisite: minimum grade of 2.5 in CSS 162; may not be repeated.

CSS 343 Data Structures and Algorithms (5) Stiber, Zander Develops competencies associated with problem-solving, algorithms, and computational models. Covers abstract data types and data structures, efficiency of algorithms, binary tree representations and traversals, searching, dictionaries, priority queues, hashing, directed graphs and graph algorithms, and language grammars. Prerequisite: minimum grade of 2.0 in CSS 301; minimum grade of 2.0 in either CSS 263 or CSS 342; minimum grade of 2.0 in either B CUSP 125 or MATH 125; may not be repeated.

CSS 350 Management Principles for Computing Professionals (5) Erdly Through a team software project, explores critical interpersonal, communication, leadership, decision-making, social, and cultural theories drawn from contemporary research in anthropology, sociology, psychology, and business. Prerequisite: CSS 301, which may be taken concurrently; may not be repeated.

CSS 360 Software Engineering (5) Cioch Surveys the software engineering processes, tools, and techniques used in software development and quality assurance. Topics include life-cycle models, process modeling, requirements analysis and specification techniques, quality assurance techniques, verification and validation, testing, project planning, and management. Prerequisite: CSS 301, which may be taken concurrently; either CSS 263, CSS 341 or CSS 342 which may be taken concurrently; may not be repeated.

CSS 370 Analysis and Design (5) Cioch Methods and tools to capture and communicate requirements, proposed solutions, and design to management, customers, and software developers. Data, process, and object modeling using languages such as data flow diagrams, entity/relationship diagrams, and unified modeling language use cases and class and sequence diagrams. Prerequisite: 2.0 in CSS 301; 2.0 in either CSS 263 or CSS 342; 2.0 in CSS 360; may not be repeated.

CSS 371 The Business of Computing (5) Berger Methods for aiding software development, communicating progress to customers/management, and developing marketing strategies for the product. Incorporates social, psychological, and ethical issues. May not be repeated.

CSS 371 The Business of Technology (5) Berger Methods for aiding software development, communicating progress to customers/management, and developing marketing strategies for the product. Incorporates social, psychological, and ethical issues. May not be repeated. Offered: jointly with BEE 371.

CSS 390 Special Topics (1-5, max. 10) Examines current topics and issues associated with computing and software systems.

CSS 411 Computing Technology and Public Policy (5) I&S In depth investigation of economical, political, organizational, and societal ramifications of using computing technology. Evaluates current policy approaches, determines
trends, and proposes changes. Topics vary by quarter.

CSS 421 Introduction to Hardware and Operating Systems (5) NW,QSR An introduction to the architecture of modern microprocessors and operating systems. Examines the basic theories and concepts of how hardware and software cooperatively interact to accomplish real-world tasks. Prerequisite: either CSS 263 or CSS 342.

CSS 422 Hardware and Computer Organization (5) Berger An introduction to the architecture, operation, and organization of a modern computing machine. Topics covered include basic logic operations, state-machines, register models, memory organization, peripherals, and system issues. Assembly language taught in order to understand the instruction set architecture and memory model of the computer. Prerequisite: CSS 301; either CSS 263 or CSS 342; may not be repeated. Offered: jointly with B EE 422.

CSS 422 Hardware and Computer Organization (5) Berger An introduction to the architecture, operation, and organization of a modern computing machine. Topics covered include basic logic operations, state-machines, register models, memory organization, peripherals, and system issues. Assembly language taught in order to understand the instruction set architecture and memory model of the computer. Prerequisite: CSS 162; may not be repeated. Offered: jointly with B EE 422.

CSS 427 Introduction to Embedded Systems (5) Berger Introduction to the process of specifying and designing embedded systems. Follows the embedded systems development; software and hardware partitioning, processor selection, real-time operating systems, coding in assembly language and C, debugging, and testing. Lab experiments reinforce fundamental concepts using embedded design and debug tools. Prerequisite: CSS 422; may not be repeated.

CSS 427 Introduction to Embedded Systems (5) Berger Introduction to the process of specifying and designing embedded systems. Follows the embedded systems development; software and hardware partitioning, processor selection, real-time operating systems, coding in assembly language and C, debugging, and testing. Lab experiments reinforce fundamental concepts using embedded design and debug tools. Prerequisite: CSS 422; may not be repeated.

CSS 428 Advanced Embedded Systems (5) Advanced topics and experiments in embedded systems. Topics may include real-time performance analysis, mission critical software design, RTOS kernel design, memory management, flash programming, VHDL design, real-world interfacing, and real-time debugging tools. Lab experiments include A/D conversion, flash programming, hard real-time interrupt-driven input/output. Prerequisite: CSS 427.

CSS 430 Operating Systems (5) Principles of operating systems, including process management, memory management, auxiliary storage management, and resource allocation. Focus on the structure of the popular desktop and real-time operating systems. Prerequisite: minimum grade of 2.0 in CSS 343; may not be repeated.

CSS 432 Network Design (5) Examines methods for designing LANs and WANs that optimize Quality of Service (QoS). Covers theoretical and practical element of the OSI protocol stack; routing protocols including OSPF and BGP; networking management/architecture; router configuration; security; and Internet policies. Explores emerging networking technologies. Prerequisite: CSS 301; either CSS 421 or CSS 422 which may be taken concurrently; may not be repeated.

CSS 434 Parallel and Distributed Computing (5) Fukuda Concepts and design of parallel and distributed computing systems. Topics include: fundamentals of OS, network and MP systems, message passing, remote procedure calls, process migration and mobile agents, distributed synchronization, distributed shared
memory; distributed file system; fault tolerance; and grid computing. Prerequisite: CSS 343.

CSS 442 Object-Oriented Programming and Design (5) Zander Topics include advanced programming methodologies for PC/workstation-based GUI applications and object-oriented modeling, programming, and design. Study and design applications in a large-scale team environment. Introduce design patterns. Prerequisite: CSS 343; may not be repeated.

CSS 443 Advanced Programming Methodologies (5) Sung Examines programming methodologies, both theoretical and practical application aspects. From a theoretical aspect, explores approaches to analyzing and designing algorithms. In relation to practical applications, studies thread-based distributed application development. Prerequisite: CSS 343; may not be repeated.

CSS 448 Translation of Programming Languages (5) Zander Introduction to the structures and organization of programming languages; fundamentals of translation; regular expressions and context-free grammars; syntax and lexical analysis, symbol tables, semantics and parsing, code generation; translation techniques such as LR, LL, and recursive descent. Prerequisite: CSS 343; may not be repeated.

CSS 450 Computer Graphics (5) Sung Introduces the hardware devices, reviews the mathematics, and discusses the algorithms of computer graphics in 2-D space. Discusses basic computer graphics terminology, concepts, algorithms, and how to design and implement 2-D interactive computer graphics-related programs. Prerequisite: CSS 343; may not be repeated.

CSS 451 3-D Computer Graphics (5) Sung Introduces practical and popular three-dimensional (3-D) graphic algorithms. Examines modeling (how to build 3-D objects), animation (how to describe the motion of objects), and rendering (how to generate images of 3-D objects in animation). Prerequisite: CSS 343; may not be repeated.

CSS 455 Introduction to Computational Science and Scientific Programming (5) Jackels Introduction to principles and fundamental algorithms of scientific computing, including applied linear algebra and numerical methods. Group projects address current computational problems in the physical, biological, and life sciences. Prerequisite: either CSS 263, CSS 341 or CSS 342 which may be taken concurrently; may not be repeated.

CSS 457 Multimedia and Signal Computing (5) Stiber How multimedia information is captured, represented, processed, communicated, and stored in computers. Topics include: physical properties of sound and images, digitization, digital signal processing, filtering, compression, JPEG and MPEG algorithms, and storage and network communication. Prerequisite: either CSS 263 or CSS 342; may not be repeated.

CSS 458 Fundamentals of Computer Simulation Theory and Application (5) Rasmussen Covers all aspects of computer simulation including theory, implementation, and application. Presents real-life interdisciplinary examples. Final student project models a real-life situation with a computer simulation. Prerequisite: either CSS 263 or CSS 342; may not be repeated; recommended: statistics.
CSS 461 Software Project Management (5) Cioch
Fundamental skills required for effective software project management, including project planning and tracking and people management. Topics include risk analysis, project scope, scheduling, resource allocation, cost estimation, negotiation, monitoring and controlling schedule, software metrics, quality management, process improvement, staffing, leadership, motivation, and team building. Prerequisite: CSS 360; may not be repeated.

CSS 475 Database Systems (5) Methods for obtaining requirements and designing database systems; differences between hierarchical, relational, and network database designs; techniques for designing and coding effective reporting procedures. Prerequisite: either CSS 263, CSS 341 or CSS 342; CSS 360; may not be repeated.

CSS 478 Usability and User-Centered Design (5) Application of human information processing models, theories and human-computer interaction principles for designing interactive systems. Emphasis is on how usability methods could be incorporated into the system design lifecycle. Topics include user survey, heuristic evaluation, task analysis and experimental testing. Prerequisite: CSS 360; may not be repeated.

CSS 480 Principles of Human-Computer Interaction (5) Erdly Examines fundamentals of human perception, human cognition, attention and memory constraints; role of user experience and intelligence; input and output devices; standards compliance; design of systems for individual versus collaborative work settings; rapid prototyping, user-centered design techniques, and design evaluation methods. Prerequisite: CSS 360; may not be repeated.

CSS 482 Expert Systems (5) Theory and application of expert systems: computer systems that capture and use human expertise. Applications include computer configuration, fault diagnosis, computer-aided instruction, data interpretation, planning and prediction, and process control. Prerequisite: CSS 343; may not be repeated.

CSS 485 Introduction to Artificial Neural Networks (5) Stiber Application of biological computing principles to machine problem solving. State of the art in artificial neural networks (ANNs), including vision, motor control, learning, data analysis. Topics include ANN architectures, algorithms: perceptrons, Widrow-Hoff, backpropagation, Hebbian networks. Prerequisite: CSS 343; may not be repeated; recommended: prior exposure to linear algebra, probability, and calculus.

CSS 487 Computer Vision (5) Olson Methods for extracting content from digital images. Topics typically include linear filters, edge detection, segmentation, stereo vision, motion estimation, and object recognition: Examines applications of computer vision, such as image databases and robot navigation. Prerequisite: CSS 343.

CSS 490 Special Topics in Computing and Software Systems (1-5, max. 20) Examines current topics and issues associated with computing and software systems. Offered: AWSpS.

CSS 496 Applied Computing Seminar (5) Group seminar project requires software development and research project in applied computing. Objectives include: integrating minor or concentration with computing, reviewing professional literature, writing technical documents, and presenting project results to technologists/end-users. Prerequisite: CSS 301; CSS 342; CSS 350; CSS 360; CSS 421; three additional CSS courses.

CSS 497 Cooperative Education (1-10-, max. 10) Completion of project as delineated in a contract between student, faculty advisor, and community sponsor. Prerequisite: CSS 350; CSS 370; CSS 422; CSS 430; two additional CSS courses.

CSS 498 Independent Study (1-5, max. 10) Individual study by arrangement with instructor.
CSS 499 Undergraduate Research (1-5, max. 10)
Design and implementation of a research study as specified in a contract with a faculty member.


CSS 502 Discrete Mathematics and Algorithms (5) Covers the mathematical principles of computing with a focus on logic, analytical thinking, and mathematical problem solving. Includes recursive sorting algorithms, mathematical induction and its relation to recursion, algorithm analysis, graph data structures with associated algorithms, and some formal automata theory. Prerequisite: minimum grade of 2.7 in CSS 501.

CSS 503 Software Engineering Methods (5) Provides a foundation in software engineering processes, methods, and practices such as prescriptive and agile software process models, requirements engineering, design principles, modeling, risk management, and validation and verification. Students create development plans and project artifacts associated with software processes. Prerequisite: minimum grade of 2.7 in CSS 502.

CSS 543 Advanced Programming Methodologies (5) Builds on knowledge of data structures and operating systems, introducing thread based and component based multi-tier programming. Reviews synchronization mechanisms and design/implementation of concurrent applications, discusses language/system independent software reuse, component technology, and multi-tier application design and development.

CSS 552 Topics in Rendering (5) Sung Studies core algorithms and technologies in synthesizing high quality images, including camera models, 3D viewing, visibility sampling and approximation, light source models, material property approximation, illumination models, human vision system, and texture synthesis. Offered: W.

CSS 555 Evaluating Software Design (5) Studies best software engineering practices and methods used in prescriptive and agile approached to create and evaluate software design from an quality principled point-of-view. Considers design from quality dimensions such as performance, scalability, maintainability, usability, and security.

CSS 565 Research Methods in Software Development (5) In-depth study of research design and data analysis techniques for computing-related research activities. Students prepare a research proposal; examine experimental, quasi-experimental, and qualitative design strategies; perform meta-analytic research, define and collect appropriate software metrics; and perform appropriate advanced statistical analyses.

CSS 577 Secure Software Development (5) Augment standard software engineering practices with practices to develop applications with low security risks. Covers security risk analysis and assessment, design practices, STRIDE, threat modeling, secure coding practices, fuzz and penetration testing, security response, and security-analysis tools. Prerequisite: CSS 555; CSS 565, or instructor permission.

CSS 583 Knowledge Management Systems (5) Explores contemporary theoretical and practical implications of how to create and manage knowledge as acquired using technology. Uses different strategies such as XML, RDF, RDFS, and other approaches to provide methods and structures to organize and reference data for use within a variety of knowledge domains.

CSS 600 Independent Study or Research (1-5, max. 6) Independent study or research on
computing topics conducted under the direction of one or more instructors. Offered: AWSpS.

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**Education Course Descriptions**

**Education (B EDUC)**

**B EDUC 315 History of Education in the United States (5) I&S** A historical survey of education. Emphasis on relationship between idea and practice. Topics include education and colonialism, formation of state school systems, progressive education, policy and practice, equal access and opportunity, education and social structure, and standards and reform.

**B EDUC 320 Education and Society (3) I&S** Examines educational problems, policy, and practice from interdisciplinary perspective. Explores the tensions between education values and goals throughout the history of public schooling in the United States and develops critical perspectives through which to evaluate current proposals for school reform.

**B EDUC 325 The Dream Project (2, max. 20) Galen** Discusses issues regarding social mobility, educational access, and social justice, with help from guest speakers, readings, and professional panels. Involves weekly travel to local high schools, mentoring low-income or first-generation juniors and seniors through the college admission process. Credit/no credit only.

**B EDUC 391 Special Topics in Education (1-5, max. 10)** Explores perspectives on educational policy and practice.

**B EDUC 392 Independent Study (1-5, max. 10)** Faculty supervised readings and activities in areas of special interest for individual students.

**B EDUC 401 Learners (3)** Surveys major theories and research in contemporary child psychology and learning. Focuses on issues with implications for learning. Relates theories and issues to educational and counseling practices. Discusses ethical issues related to serving children’s needs as well as issues related to moral and ethical development of children. Consideration of diverse learning styles and of the impact of ethnic and cultural influences on the development of children of color.

**B EDUC 402 Human Growth and Learning (5) I&S** Focuses on recent research in the area of child and adolescent learning and on the relationship of learning to human growth and development. Credit/no credit only.

**B EDUC 403 Theories of Learning (3)** Examines theories of learning, with an emphasis on constructivism, multiple intelligences, classroom applications and developmentally appropriate instruction. Discusses the similarities, differences, interdependencies, and special needs of students with particular emphasis on those from varying racial, cultural, linguistic, intellectual abilities, and socio-economic backgrounds.

**B EDUC 405 Context of Learning and Schooling (3) I&S** Surveys major themes of historical, legal, philosophical, political, ethical and social contexts of learning and schooling in American society. Integrates several disciplines as the foundation from which to view the instructional process.

**B EDUC 406 Introduction to Field Placements (2)** Introduction to building learning communities in classrooms. Involves students in assigned field placements in K-8 schools and in seminars on campus.

**B EDUC 408 Knowing, Teaching, and Assessing in Multicultural Education and Social Studies (5) I&S** Provides students with classroom methods, materials, and assessment strategies for teaching social studies in elementary schools. Grounded in democratic beliefs and assumes citizenship participation as an essential part of a free, humane, and civic community.

**B EDUC 409 Knowing, Teaching, and Assessing in: Reading, Writing and Communicating (4)**
The first in a two-course sequence that builds understanding about literacy development and instruction. Focuses on early literacy, writing processes, and children’s literature.

**B EDUC 410 Knowing, Teaching, and Assessing in Reading, Writing and Communicating (4)**
The second of two course sequence that builds understandings about literacy development and instruction. Focuses on reading for intermediate readers including comprehension, assessment, and remediation.

**B EDUC 413 Knowing, Teaching, and Assessing in The Arts (2)**
Explores dance, music, visual arts, drama, and literary arts as integral strands of children’s learning. Credit/no credit only.

**B EDUC 416 Instructional Design and Assessment (4)**
Eisele Explores the major concepts, theories, and research related to the development of learning opportunities for children that support individual students' development, acquisition of knowledge, and motivation. Focuses on strategies for implementation of instruction in schools.

**B EDUC 417 Families, Communities and Schools (3)**
Examines the fundamental values and assumptions that animate our educational endeavor through families, communities, and schools. Topics include changing demographics, community resources and involvement, and diversity of families. Credit/no credit only.

**B EDUC 419 Knowing, Teaching, and Assessing in Mathematics (3)**
Introduces the nature of mathematics as an exciting way to interpret the world and as an elegant way to solve problems. Emphasizes using mathematical thinking to discover order and represent patterns rather than memorizing mathematical rules to be followed.

**B EDUC 421 Knowing, Teaching, and Assessing in: Earth, Physical, and Life Sciences (4)**
Introduces the nature of science as subject matter, as a process of inquiry, and as a fascinating way to make sense of the world.

**B EDUC 423 Knowing, Teaching, Assessing in Health, Fitness and Issues of Abuse (3)**
Examines health and fitness as it relates to children’s development of responsibility health promoting behaviors; how to identify physical, emotional, sexual, and substance abuse; teacher report responsibilities; and methods of teaching about abuse/prevention. Open to Bothell Teacher Certification Program students only.

**B EDUC 425 Reflections on Professional Practice Seminar (1-5, max. 15)**
Reflections on field work in educational settings.

**B EDUC 427 Reflections on Professional Practice Seminar: Becoming a Professional Educator (3) I&S**
Through readings and reflective writing, students explore teacher as a member of a professional community and as a learner, teacher as agent of social justice, and the personal, social, and professional responsibilities of teaching.

**B EDUC 435 Student Teaching (15)**
Students assume all facets of the teaching role in a full-time placement. Credit/no credit only.

**B EDUC 437 Current Issues in Technology (1-3, max. 9)**
Sequenced and concentrated instruction and collaborative work in instructional technology to be integrated with other quarterly course work. Credit/no credit only.

**B EDUC 452 Service Learning Practicum in Education (2, max. 6) I&S**
To be taken concurrently with any two or three credit UW Bothell Education courses. Requires approximately 40 hours of service learning in a school and/or other appropriate setting approved by the course instructor.

**B EDUC 456 Adolescents in School and Society (5) I&S**
Discusses some of the transformations of consciousness that occur in adolescence and examines how social structures, particularly...
formal schooling, help shape those transformations.

B EDUC 461 Educational Implications of Gender Inequality (5) Examines the historical foundations of gender inequality in education, discuss gender as a factor in access to education, and explores recommended classroom practices designed to reduce gender inequality.

B EDUC 473 History of U.S. Public Schooling (3) Examines the development of educational policy and practice over time. Emphasizes United States schools from 1750 to present.

B EDUC 475 Global Perspectives on Diversity and Citizenship Education (3) I&S Explores the relationship between diversity and citizenship education in a select group of nation-states. Discusses challenges experienced by citizens in those nation-states as the nations respond to diversity while trying to maintain national cohesion.

B EDUC 480 Life and Learning in the Middle School (3) Martin Addresses the development and needs of young adolescents, the organizational structure and foundations of the middle school, and instructional practices of young adolescents. Co-requisite: B EDUC 452.

B EDUC 491 Special Topics in Education (1-5, max. 15)

B EDUC 493 Environmental Education (3) I&S Analyze various environmental programs and prepare an individualized project. Learn to apply ecological concepts in the classroom and learn how to teach about various environmental education programs.

B EDUC 501 Inquiry in Education (3-5) Introduces tools for looking closely at classrooms and professional practice. Explores a professional question through gathering information, collegial discussion with their peers, and readings that offer multiple perspectives.

B EDUC 502 Teachers' Self-Understanding (3-5) Uses readings and writing autobiography and examining key concepts in multicultural education as a basis for creating the reflective space necessary for teachers to better understand how personal elements of their lives, formed historically and culturally, influence their teaching and relationships with students.

B EDUC 503 History and Politics of Teaching (3-5) Explores historical, political, and social issues that effect classrooms and schools, as well as the nature of historical and political analysis.

B EDUC 504 Theories of Organizational Change and School Reform (3) Explores theories of organizational change and school reform. Practical strategies on how to be comfortable with and facilitate change in educational situations.

B EDUC 505 Professional Seminar 5 (3) Continues the exploration begun in B EDUC 504 of the teacher’s role as collaborator, site-based decision maker, change agent, and leader. Examines leadership strategies and research skills.

B EDUC 507 Reviewing the Literature (2, max. 4) Explores how to locate, synthesize, and analyze professional literature on a topic and how to write a review of that literature. Allows in-depth study of the question students will be pursuing for their culminating project.

B EDUC 510 Literacy Instruction for Diverse Learners (3) Place, Smith Helps teachers meet the educational and linguistic needs of students with diverse needs or limited English language skills. Emphasizes instructional strategies consistent with a variety of approaches to curriculum adaptation and second-language learning. Examines strategies for classroom adaptation. Offered: AWSpS.

B EDUC 512 Theoretical Foundations for Multicultural Classrooms (3)

B EDUC 516 Teaching Diverse Students (3)

B EDUC 517 Working with Struggling Readers Grades 3-8 (3) Develops the strategies and
understandings necessary for effective assessment and instruction of struggling readers in grades 3-8. Focuses on classroom-based assessments and their benefits for informing individual or whole class reading instruction.

B EDUC 518 Observing and Describing Children and Their Work (3) Focuses on observation and description of children and their work. Learn skills of observation as well as a process of systematic collaborative inquiry that validates teachers’ knowledge of their students while also generating new knowledge. Study the work of teacher researchers who base their work on thoughtful observations of children.

B EDUC 519 Classroom Discourse (3) Examines how classroom talk creates and conveys multiple and complex notions of self, roles, status, learning, and subject matter. Addresses what discourse is present in classrooms and how can it be best used to facilitate teaching and learning.

B EDUC 520 Current Issues: Multicultural Education (3-5, max. 10)

B EDUC 521 Using Multicultural Literature in the Classroom (3) The dimensions of multicultural education serve as a framework for educators to review and compile bibliographies of books and compile bibliographies of books that can be used with students in the classroom. Discusses books for children and adults. Discussion and reflection on concepts such as essentialism and representation. Selection and evaluation of books to infuse multicultural content into the curriculum.

B EDUC 522 Education and the American Dream (3) Considers tensions inherent in the deep American belief that individuals can reach unlimited potential through success in school. Looks at ways in which the American educational system has been created within American beliefs in equal opportunity based on merit, yet remains an institution that sorts individuals for very unequal futures.

B EDUC 523 Improving Human Relations in Schools (3) Addresses issues related to teaching in a pluralistic society. Explores the historical foundations of intergroup education, theories supporting the human relations approach and teaching strategies, materials, and assessment that can be used to improve human relations.

B EDUC 525 Evaluating Curricula, Programs, and Institutions (3) Examines the extent to which curricula, programs, and institutions effectively meet objectives. Examines terminology, models, standards, and practices in program evaluation from a perspective useful to practicing teachers and other professionals. Discusses political realities, social demands for accountability, and ethical considerations in program evaluation.

B EDUC 527 Educational Theorists and Reformers (3, max. 6) Provides an in-depth study of the work of prominent educators whose contributions have significantly impacted understandings of the nature of learning, teaching, and schooling.

B EDUC 530 Current Issues: Integrated Curriculum (3-5, max. 10)


B EDUC 533 Computers in the Classroom: Issues and Uses (3) Examines the dynamics of instruction and interaction in classrooms while preparing students for worlds that do not yet exist. Essential questions include issues of equity, disengagement, and the quality of learning and knowing in a diverse and complex society. Uses current technology to enhance computer skills, create and evaluate quality learning experiences, and explore issues of equal access for all.

B EDUC 534 Current Issues in Literacy Research (3) Smith Explores current research examining issues of literacy development and instruction. Considers research design, data analysis, study findings, and classroom implications from a
critical practitioner-oriented perspective. Offered: AWSpS.

B EDUC 535 Writing Across the Curriculum (3) Explores instructional strategies designed to guide students in acquiring and developing writing skills across the curriculum. Emphasizes preparing materials to use in single subject-area teaching as well as developing as a writer to effectively model and scaffold writing instruction.

B EDUC 536 Teacher Leadership: Renewing, Revitalizing, Reframing (3) Develops and promotes in teachers the knowledge, skills and "conditions of the heart" necessary to be a teacher leader. Based on the premise that teachers need to be active participants in the formation of a future that positively impacts the lives of students and professional community of schools.

B EDUC 537 Assessment (3) Analyzes the development, use, and interpretation of classroom-based assessments, including student self-assessment. Explores concepts of validity, reliability, and appropriate use in relationship to both classroom-based and commercial assessments. Critiques use of assessment in relation to goals of equity, educational quality, and accountability.

B EDUC 542 Pre-assessment Seminar (2) Thorough examination of requirements for the professional growth plan and related performance indicators necessary to meet the standards for the Washington State Professional Certificate. Provides theoretical frameworks and conceptual foundations to help participants design and organize a written plan for completing the PGP requirements. Credit/no credit only.

B EDUC 546 Professional Growth Seminar (1-2, max. 6) Development and implementation of concrete strategies and tools for meeting the performance indicators contained in the professional growth plan. Research-based practical aspects of curriculum design, instructional environments, using and communicating student achievement data for instructional improvement and increasing family involvement, and options for on-going professional growth activities. Credit/no credit only.

B EDUC 548 Culminating Seminar (1-2, max. 6) Refines and prepares for submission all materials necessary to fulfill requirements for Washington State Professional Certification as specified in the PGP and to facilitate deep reflection. Engages in thoughtful analyses, constructive feedback, and final revisions prior to submitting final PGP portfolio. Credit/no credit only.

B EDUC 552 Curriculum, Instruction, and Assessment in Middle and Secondary Science I (3) Introduction to teaching that is rigorous and accessible to all students. Helps to develop an understanding of how the everyday lives of students and the practices of science intersect. Includes observation and participation in reform-based science teaching and reflect on these practices.

B EDUC 553 Curriculum, Instruction, and Assessment in Secondary English, Social Studies, and History (3) Focuses on interdisciplinary curriculum, instruction, and assessment for prospective middle and high school English, Social Studies, and History teachers. Prerequisite: B EDUC 502; B EDUC 556; B EDUC 557. Offered: Sp.

B EDUC 554 Curriculum, Instruction, and Assessment in Middle Grades and Secondary Science (3) Learn to teach science in a way that makes the content both rigorous and accessible. Develop an understanding of how the world of the student and the worlds of science intersect. Participate in best practices of science teaching and reflect on these practices.

B EDUC 555 Building Partnerships: Home, School, and Community (5) Examines the forms of collaboration, contention, and controversy in the relationship between schools, the families of students, and local communities
from historical, sociological, and political perspectives.

B EDUC 556 Adolescent Development (3) Provides an in-depth examination of specific theories, concepts, and methods related to the period of adolescence. Explores a wide range of topics including: cognitive development, moral development, identity formation, gender role, social relationships, and the effects of culture and schooling on adolescent development.

B EDUC 557 Curriculum Studies and Classroom Practice (3) Introduces the field of curriculum studies including curriculum theory and interdisciplinary study of the educational experience. Explores dominant ideas and alternative practices. Focuses on how curriculum and schools are manifestations of culture and how historical and contemporary premises about curriculum influence the culture of classrooms and schools.

B EDUC 558 Curriculum, Instruction, and Assessment in Secondary Social Studies and History (3) Explores standards and critical areas of social studies and history. Discusses how to design learning objectives, plan for instruction, use resources, evaluate student learning, and teach social studies and history as integrated and interdisciplinary subjects.

B EDUC 559 Curriculum, Instruction, and Assessment in Secondary Science and Mathematics I (3) Examines ways to teach science and math in a way that makes the content both rigorous and accessible. Develops an understanding of how the world of the student and the worlds of the science and math intersect. Participates in best practices of science and math teaching and reflects on this practices.

B EDUC 560 Curriculum, Instruction, and Assessment in Secondary Science and Mathematics II (3) Emphasizes the complexity of teaching and learning science and mathematics. Works closely with expert teachers to develop and teach a unit of instruction. Gains practice in designing, conducting, and reflecting on formative and summative assessments in the school setting.

B EDUC 561 Education and Gender (3)

B EDUC 562 Multicultural Education: Race, Class, and Gender (3)

B EDUC 563 Curriculum, Instruction, and Assessment in Secondary English Methods I and II (3, max. 6) Helps prospective teachers of English become more thoughtful about the aims, theories, and research methods for teaching English in secondary schools. Encourages reflective thought in the development of materials and plans for implementing secondary English lessons and units that can facilitate student learning.

B EDUC 564 Field Experience in Secondary Schools (3) Provides field experiences to reflect on teaching and learning in the secondary schools. Overlap with discipline specific methods course.

B EDUC 564 Field Experience in Secondary Schools (3-6, max. 6) Provides field experiences to reflect on teaching and learning in the secondary schools. Overlap with discipline specific methods course.

B EDUC 565 Student Teaching (10) Students assume all facets of the teaching role in a full-time placement. Prerequisite: satisfactory completion of required secondary endorsement course work.

B EDUC 566 Education and Technology (3)

B EDUC 567 Telling Our Stories As Teachers: Digital Storytelling as Reflective Practice (5) Galen Uses multi-media tools to weave the complex voices, images, and energy of classrooms to create digital stories as teachers. Through, software tutorials, work-shopping of writing, peer review of emerging projects, and production time, students learn more about themselves as teachers while also learning about technologies that can be used in classrooms. Offered: S.
B EDUC 569 Educational Policy, School Politics and Teacher Power (3) Teachers work in a complex web of political relationships, contested values, and competing ideas in schools. Exercises help participants understand teachers’ (K-12) and policymakers' roles in school politics and develop frameworks from which to base the responsible exercise of autonomy in schools.

B EDUC 570 Problems in Qualitative Research Methodology (3-5, max. 5) Examines a specific qualitative research methodology on a rotating basis. Examples of different methodologies may include action research, archival studies, biography, case study, classroom observation, ethnography, feminist studies, grounded theory, histography, narrative studies, phenomenological studies, policy research, and sociolinguistics.

B EDUC 579 The Power and Beauty of Mathematics (3) Examines how mathematics helps us discover the rules and structures that underlie patterns and regularities in our world. Illustrates how an integrated curriculum combined with inquiry-based methodology can be used to explore some of the mathematical foundations on which the world rests.

B EDUC 587 Science, School Knowledge, and Contemporary Social Issues (3) Explores the impact of science on society as well as the vision for the teaching of science currently being advocated by those involved with science education reform. Discusses contemporary social issues, such as the ethical dilemmas presented by scientific advancements and science education reform issues.

B EDUC 591 Special Topics in Education (1-5, max. 10)

B EDUC 592 Independent Study (1-6, max. 12) Faculty-supervised readings and research in areas of special interest for individual students.

B EDUC 595 Professional Portfolio (3-5, max. 10) Provides an opportunity for students to reflect on learning and professional growth through the construction of a culminating portfolio. Serves to document and deepen understanding of the competencies gained as a result of participation in the program. Prerequisite: completion of all M.Ed. coursework. Credit/no credit only.

B EDUC 596 Professional Paper (2-5, max. 10) Complete a professional paper under the advisement of a faculty member in the program following submission and approval of a description of the proposed paper. Extends over two quarters and includes a public presentation of the completed work. Credit/no credit only. Prerequisite: completion of all M.ED coursework.

B EDUC 597 Proposal Writing (2-5, max. 15) First course in a three-course sequence of a culminating project focused on change in an education setting. Designed in collaboration with faculty advisors as an application and extension of the theory and research studied and generated in the master’s program. Credit/no credit only.

B EDUC 598 Project Implementation (2-5, max. 15) Second course in a three-course sequence of a culminating project focused on the implementation of a project designed to create change in an educational setting. Credit/no credit only.

B EDUC 599 Culminating Project (2-5, max. 15) Third course in a three-course sequence of a culminating project focused on an analysis, synthesis, and final write-up of a project implementation experience. Credit/no credit only.

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Interdisciplinary Arts and Sciences Course Descriptions

Cultural Studies (BCULST)

BCULST 500 Formations in Cultural Studies (10) Burgett, Krabill Focuses on historical and contemporary forms of cultural studies inquiry,
with an emphasis on the local and global questions and problems that shape that inquiry. Offered: A.

**BCULST 501 Cultural Studies Research Practices**

(5) *Lerum* Focuses on interactions of ethnographic, textual, and performance-based research methods, with special emphasis on participatory action research strategies. Prerequisite: BCULST 500. Offered: W.

**BCULST 502 Cultural Studies as Collaboration**


**BCULST 510 Capstone Design and Portfolio Seminar** (5) Focuses on the design, development, and piloting of students' individual or collaborative capstone projects and the development of their program portfolio. Initiates the first phase of the capstone project. Prerequisite: BCULST 502. Offered: AWSpS.

**BCULST 511 Capstone Research and Portfolio Seminar** (5) Focuses on further development of students' individual or collaborative capstone projects and their program portfolio. Represents the second stage of the capstone project. Prerequisite: BCULST 510. Offered: AWSpS.

**BCULST 512 Capstone Presentation and Portfolio Seminar** (10) Focuses on the completion and public presentation of the students' individual or collaborative capstone projects, including the annual MA symposium and the completion of the individual student's program portfolio. Prerequisite: BCULST 511. Offered: AWSpS.

**BCULST 520 Internship** (2-5, max. 10)

Internship with a local organization, agency, or arts company that incorporates a "field-based" component into learning. Includes a cultural studies project that benefits the organization and has academic merit. Prerequisite: BCULST 500. Offered: AWSpS.

**BCULST 580 Approaches to Ethnographic Research**

(5) *Lerum, Stewart* Investigates and evaluates the theoretical and methodological foundations on ethnography. Provides hands-on experiences in ethnographic methods, and development and assessment of ethnographic research proposals. Offered: AWSpS.

**BCULST 581 Approaches to Textural Research**

(5) Advanced investigation of the theory and practice of textual research methods. Identifies the different components of textual research and explores their interrelation. Prerequisite: BCULST 501 or permission of instructor. Offered: AWSpS.

**BCULST 582 Approaches to Performance-Based Research Methods** (5) Focuses on how a specific performance approach, such as dance, movement, theatre, storytelling, mixed media, or performing ethnography, acts as a site of research in relation to a particular topic. Examines how to implement performance-based approached and assess their significance. Prerequisite: BCULST 501 or permission of instructor. Offered: AWSpS.

**BCULST 583 Topics in Public History and Culture** (5) *Watts* Explores theories and practices of public history and culture. Offered: AWSpS.

**BCULST 584 Topics in Media Culture** (5, max 15)

Explores issues in media culture, such as the connections between media and social movements, from cultural studies perspectives. Offered: AWSpS.

**BCULST 585 Topics in Cultural Activism and Advocacy** (5) *Burgett, Stewart* Explores theory, practice, and dilemmas relating to cultural advocacy, understood as object, site, instrument, or basis of social action. Offered: AWSpS.

**BCULST 586 Topics in Arts and Cultural Policy** (5, max. 10) Explores historical and contemporary issues in arts and policy. Includes
examination of the roles played by governmental, for-profit, and not-for-profit organizations in shaping artistic and cultural practices and arenas. Topics and approaches vary with instructor.

BCULST 587 Topics in Cultural and Arts Practice (5) Kochhar-Lindgren, Thomas Investigates issues in cultural and arts practice in diverse settings. Offered: AWSpS.

BCULST 588 Topics in Culture and Diversity (5, max. 15) Investigates the intersections between culture and diversity and focuses on the encoding and transmission of knowledge through a variety of cultural practices. Uses ethnographic, historiographical, textual, and performance based methods to move from the forms themselves to community sites of memory and identity. Offered: AWSpS.

BCULST 589 Topics in Global Cultural Studies (5, max. 15) Links a specific area of study, such as hip hop. YouTube, or garbage, to global cultural studies and the methodologies of visual, material, textual, or arts-based research. Offered: AWSpS.

BCULST 591 Research Colloquium (1, max. 5) Provides an opportunity for graduate students and faculty members interested in cultural studies to exchange research ideas, present findings, discuss analytical methods and tools, and evaluation the implications of the presented research. Offered: AWSpS.

BCULST 592 Topics in Cultural Studies Research (2-5, max. 10) Allows for the investigation of special topics in cultural studies research. Offered: AWSpS.

BCULST 593 Topics in Cultural Studies (3-5, max. 15) Explores in depth specific historical, political, or social aspects of cultural practice, such as digital humanities, the culture and the environment, or arts as cultural studies, and links this analysis to the varied processes of producing these types of cultural work. Offered: AWSpS.

BCULST 594 Research Design (5) Extends an understanding of research design principles, developing further capacities in research design, especially in relation to sites that necessitate sensitivity to emergent cultural practices and the evolving nature of partnerships. Provides opportunities for research design in response to requests from the community. Offered: AWSpS.

BCULST 595 Cultural Studies Skills Workshop (1-3, max. 9) Provides the opportunity to develop applied skills in an area relevant to professional careers in social, cultural, and arts fields. Workshops emphasize hands-on problem solving, case studies, and actual practice.

BCULST 596 Study Abroad (5-15, max. 15) Study abroad opportunity that incorporates a global learning component into cultural studies. Offered: AWSpS.

BCULST 598 Directed Research (1-5, max. 15) Develops research ideas, analytical methods and tools, or the cultural studies implications of research in specific directions that are not covered in the standard MACS offerings. Prepares for a cultural studies/community project. Offered: AWSpS.

BCULST 599 Capstone Research (1-5, max. 10) Provides intensive one-on-one research support for the capstone project. Students and their capstone advisors establish customized meeting/collaboration scheduled according to individual needs. Prerequisite: BCULST 502. Offered: AWSpS.

Environmental Studies

BES 180 Introductory Biology (5) NW For students intending to take advanced courses in the biological sciences or enroll in pre-professional programs. Mendelian genetics, evolution, biodiversity of life forms, ecology, conservation biology. First course in a three-quarter series (BES 180, BES 200, BES 220). Prerequisite: B CUSP 152.
BES 200 Introductory Biology (5) NW  For students intending to take advanced courses in the biological sciences or enroll in pre-professional programs. Metabolism and energetics, structure and function of biomolecules, cell structure and function, animal development. Second course in a three-quarter series (BES 180, BES 200, BES 220). Prerequisite: BES 180.

BES 220 Introductory Biology (5) NW  For students intending to take advanced courses in the biological sciences or enroll in pre-professional programs. Animal physiology, plant development and physiology. Final course in a three-quarter series (BES 180, BES 200, BES 220). Prerequisite: BES 200.

BES 301 Science Methods and Practice (5) NW/QSR  Overview of the scientific method, emphasizing the development of testable hypotheses, scientific writing and analysis.

BES 302 Environmental Problem Solving (5) Introduces different aspects of environmental problem solving. Uses real-world situations for thinking quantitatively and creatively about such environmental concerns as energy and water resources, food production, indoor air pollution, acid rain, and human influences on climate.

BES 303 Environmental Monitoring Practicum (3) NW,QSR Turner Provides an introduction to the principles and methods of environmental monitoring and analysis. Field and laboratory studies provide experience with monitoring equipment and rigorous sampling techniques; enhance understanding of the range and variability of environmental parameters; and develop abilities in the quantitative analysis, interpretation, and presentation of data.

BES 311 Environmental Chemistry (5) NW/QSR Uses fundamental chemical principles to examine fate, reactivity and transport of environmental pollutants. Emphasis given to atmospheric pollution, chemistry of natural and polluted waters, soil chemistry, chemistry of organic and inorganic toxins. Required background: CHEM 142, CHEM 152, or equivalent.

BES 312 Ecology (5) NW  Introduces major concepts of ecology and relates these concepts to current environmental issues. Topics include the relationship between organisms and the physical environment, evolutionary processes, the structure and function of ecosystems, population biology, forest management, pesticide use, and global warming. Required background: two quarters of college biology.

BES 315 Environmental Chemistry Laboratory (5) Covers the basic techniques for chemical analysis of environmental samples including air, water and soil. Students learn to utilize electronic data acquisition systems and further develop their scientific writing skills. Required background: statistics (BIS 315 or equivalent); prerequisite: BES 301; BES 311.

BES 316 Ecological Methods (5) Introduces students to methods used in the analysis of ecological systems and their processes. Employs data analysis tools, graphic presentation, and scientific writing in the presentation of results from laboratory and field studies. Includes lectures, laboratory work, and field investigations. Prerequisite: BES 312.

BES 317 Soils Laboratory (5) Introduces the types of soils analyses necessary to understand the physical and chemical state of soils. Includes an introduction to soils in general, and local soils in particular. Required background: CHEM 142, CHEM 152, or equivalent.
BES 318 Hydrogeology (5) NW,QSR  Turner  
Examines details and mechanisms of the natural processes associated with the hydrologic cycle. Explores rivers, groundwater, and watershed management issues within Washington State.

BES 362 Introduction to Restoration Ecology (5) I&S/NW  Introduces ecological restoration of damaged ecosystems. Develops a broad understanding of restoration ecology, including diverse ecological aspects of the practice of restoration, conceptual and philosophical issues underlying the field, and social and political factors that influence restoration outcomes. Includes field work, lectures, readings, and discussion.

BES 397 Special Topics in Environmental Science (3-5, max. 15)  Unique course offerings designed to respond to faculty and student interests. Possible topics may include economic and environmental issues, air pollution, water quality, ecological restoration, global warming, or conservation biology.

BES 398 Directed Study in Environmental Science (1-5, max. 15)  Opportunity for directed group or individual research on a topic mutually agreed upon by instructor and student.

BES 415 Advanced Environmental Measurements Laboratory (5)  Analysis of air, water, and soil samples using advanced methods. Instrumental methods include: atomic absorption spectroscopy and liquid chromatography. Prerequisite: BES 311, BES 315.

BES 430 Air Pollution and Health (5) NW  Examines the relationship between atmospheric emissions, meteorology, chemical processes, air quality, and human health with an emphasis on both primary and secondary pollutants, photochemical oxidants and chemical modeling of air pollution. Also addresses some of the legal and policy implications of these issues. Required background: CHEM 142, CHEM 152, or equivalent.

BES 439 Computer Modeling and Visualization in Environmental Science (5) NW/QSR  Addresses the ways scientists use computer simulations and modeling. Uses case studies from problem areas such as global climate change, regional air and water pollution, and the interaction between biological species and their environment. Recommended: BES 311; BES 312.

BES 459 Compost and Organic Soil Amendments (5) NW/QSR  Addresses the management of organic wastes both as a feedstock for composting and as a soil amendment. Provides students with an understanding of the science of composting, the management of nutrients and contaminants, and the benefits of organic soil amendments. Recommended: BES 301, BES 302.

BES 460 Water Quality (5) NW/QSR  Examines the chemical and physical processes that influence the fate of nutrients and contaminants in natural surface, ground, and soil waters. Addresses basic environmental chemistry in natural waters and soils, potentially important inputs, transformations and movement, and the environmental impacts of nutrients and contaminants.

BES 462 Restoration Ecology Capstone: Introduction (2) NW  The first of a three-course capstone sequence in restoration ecology. Students review and assess project plans and installations. Class meets with members of previous capstone classes to review their projects. Prerequisite: BES 301; BES 362. Offered: jointly with ENVIR/ESRM/TESC 462.

BES 463 Restoration Ecology Capstone: Proposal and Plan (3) NW  Student teams prepare proposals in response to requests-for-proposals (RFPs) from actual clients. Clients may be governments, non-profit organizations, and others. Upon acceptance of the proposal, teams prepare restoration plans. Prerequisite: BES 462. Offered: jointly with ENVIR/ESRM/TESC 463.

BES 464 Restoration Ecology Capstone: Field Site Restoration (5) NW  Teams take a restoration plan developed in BES 463 and
complete the installation. Team participation may include supervision of volunteers. Teams prepare management guidelines for the client and conduct a training class for their use. Prerequisite: BES 463. Offered: jointly with ENVIR/ESRM/TESC 464.

**BES 485 Conservation Biology (5) NW**

Exploration of the science underlying methods of species and ecosystem conservation. Emphasis is placed on understanding the limits and promise of scientific approaches to conservation, within the social, political and economic context of conservation problems.

**BES 486 Watershed Ecology and Management (5) NW**

Overview of the ecology and management of watersheds. Explores physical, biological, and ecological components of watersheds and their interrelationships. Examines human and natural impacts on watersheds, and planning and management through theory and case studies. Prerequisite: either BIS 390 or BES 312.

**BES 487 Field Lab in Wildland Soils and Plants (3) NW**

Provides direct field study of alpine soils and plants. Identify soils and landscape/vegetation changes in remote areas where little information is available about these ecosystems. Experience climate, relief, and parent materials that form soils and their associated plant communities.

**BES 488 Wetland Ecology (5) NW**

Examines wetland types and their distribution as well as wetland functions for habitat and human resources. Emphasizes the ecology and adaptations of wetland plants and their interaction with soils and biogeochemical processes. Discusses human impacts, wetland regulation, and management approaches. Required field trips. Prerequisite: BES 312.

**BES 489 Pacific Northwest Ecosystems (5) NW**

Examines major ecosystems of the Pacific Northwest to understand the structure, function, and location of these characteristic ecosystems in our region. Investigates the intersection of ecological knowledge, environmental policy and management strategies in selected ecosystems. Required background: one quarter college biology.

**BES 490 Pacific Northwest Plants in Restoration and Conservation (5) NW Gold**

Examines plants of the Pacific Northwest commonly used in ecological restoration and habitat conservation. Topics include the ecology, propagation, distribution, restoration use, ethnobotany, and habitat values of major species. Includes required field trips and field study. Recommended: BES 180; BES 312; BES 362.

**BES 491 Undergraduate Research in Environmental Science (5, max. 10)**

Capstone course. Independent research projects in an area of environmental science, based on mutual agreement with the instructor. Prerequisite: BES 311; BES 312.

**BES 492 Capstone Research in Environmental Science I (3)**

The first course of a two-quarter capstone sequence. Students plan and develop a detailed proposal for their capstone environmental science project. Prerequisite: BES 301; BES 311; BES 315.

**BES 493 Capstone Research in Environmental Science II (7)**

Second course of a two-quarter capstone sequence. Completion of projects planned in the previous quarter. Prerequisite: BES 492.

**BES 497 Special Topics in Environmental Science (3-5, max. 15)**

Topics may include economic and environmental issues, air pollution, water quality, ecological restoration, global warming, conservation biology or other topics.

**BES 498 Independent Research in Environmental Science (1-5, max. 15)**

Individual advanced research conducted under the direction of one or more instructors.

**Interdisciplinary Arts and Sciences -- Bothell**

**BIS 202 Critical Reasoning (5) I&S,QSR**

Engages students as active thinkers in their reading, analysis of writing and media, and writing. Emphasis is placed upon formulating, and
critically evaluating arguments in examples and essays typical of both academic inquiry and active citizen engagement in everyday life.

**BIS 203 History of Inter-Arts (5) VLPA**
Considers InterArt forms as a method for creating new arts practices and cultural insight. The range of intersections may include, arts and sciences, literature and performance, film and dance, and painting and poetry.

**BIS 204 Introduction to Journalism (5) VLPA/I&S**
Covers the basic elements of reporting and writing for print media, as well as meta-issues of ethics, the First Amendment, and a brief history of American journalism. Teaches reporting skills and the cultural context for the practice of those skills.

**BIS 205 Technologies of Expression (5) VLPA/I&S Kochhar-Lindgren**
Explores fundamental technologies of expression such as the book, film, and the computer and their implications for social and individual identity-formation, cultural critique, and art-making. Examines how media functions to shape human identity.

**BIS 206 Engaging Literary Arts (5, max. 10) VLPA Heuving**
Foregrounds questions about literary arts: What are the purposes of literary arts? What approaches might we use to understand them? How do they relate to the societies and cultures in which they are located? May focus on individual writers, movements, historical periods, genres or topics.

**BIS 208 Experimenting Through the Arts (5, max. 15) VLPA Heuving**
Explores the relationship between creative arts and research. May focus on performance, visual, or literary arts as well as diverse media. Research may include study of artistic forms as well as specific topics.

**BIS 209 Engaging Visual Arts (5, max. 15) VLPA**
Foregrounds questions about visual arts: What are the purposes of the visual arts? What approaches might we use to understand them? How do they relate to the societies and cultures in which they are located? May focus on individual writers, movements, historical periods, genres or topics.

**BIS 212 Engaging Performing Arts (5, max. 15) VLPA Kochhar-Lindgren**
Foregrounds questions about performing arts: What are the purposes of the performing arts? What approaches might we use to understand them? How do they relate to the societies and cultures in which they are located? May focus on individual performers, movements, historical periods, genres, or topics.

**BIS 213 Art Techniques (1-5, max 10) VLPA**
Develops intermediate skills and applications in one or more studio arts in order to enhance students' abilities as performers, artists.

**BIS 215 Literature into Film (5) VLPA Behler**
Studies the process of artistic adaptation by examining how significant literary works are translated into the medium of film. Explores the respective strengths and possibilities as well as the unique challenges, of literary and cinematic communication.

**BIS 219 The Politics of Sex Education (5) I&S Lerum**
Examines the history and politics of sex education, reproduction, and sexual health in the United States, with cross national/regional comparisons. Explores how various cultural and ideological positions bring about different concepts of sexuality, the body, rights, personhood, and social and global responsibility.

**BIS 220 Developmental Psychology (5) I&S**
Overview of the physical, cognitive, emotional, and social aspects of human development over the lifespan. Facilitates a greater understanding of children, adolescents, and adults as they develop and change over time in specific cultural contexts.

**BIS 221 Gender and Sexuality (5) I&S**
Explores gender and human sexuality by focusing on diversity and development. Considers behavioral, social, historical, and cultural aspects.

**BIS 222 Travel and Cultural Difference (5) I&S**
Uses historical, scholarly and popular sources to
explore the purposes and forms of travel. Asks how travelers meet and understand other people, and how they explain those encounters. Travelers studied may include pilgrims, migrant, refugees, missionaries, merchants, scientists, colonial administrators, and tourists.

BIS 223 Introduction to Narrative Ethnography (5) I&S Seaburg Introduction to narrative ethnography. Focuses on the making of narrative ethnographic knowledge (observing, asking, listening, analyzing, writing up) through experiential exercises.

BIS 224 Introduction to Feminist Studies (5) I&S Ashbaugh Introduces feminism as it developed over the last two centuries. Investigates theories of gender and power, including the sources of and solutions to gender inequality, and how gendered identities have been produced, questioned, and critiqued.

BIS 225 Applied Social Psychology (5) I&S Stewart, Thomas Provides an introduction to social psychological theories, foundations, methods, and evidence concerning how people think about, feel about, relate to, and influence one another. Focuses on applying social psychological theories and approaches to understanding social and practical problems.

BIS 230 Mathematical Thinking for the Liberal Arts (5) NW/QSR Develops mathematics from historical, intellectual, and applied perspectives. Designed to broaden concepts of the meaning of mathematics, develop mathematical thinking, and encourage the use of mathematics in meaningful applications.

BIS 231 Linear Algebra With Applications (5) NW/QSR Hillyard, Littig Introduction to linear algebra (i.e., concepts, tools, and operations related to matrices and vectors) with emphasis on interdisciplinary applications. Provides an introduction to the mathematical concepts, arguments, and proofs that occur in linear algebra. Prerequisite: B CUSP 124.

BIS 232 Using, Understanding, and Visualizing Quantitative Data (5) NW/QSR Hillyard, Littig Introduces descriptive statistics and visual representations of quantitative data. Examines data sets using graphing and statistical software packages. Demonstrates how to present data in ways that are accurate, effective, and visually appealing.

BIS 233 Participatory Media Culture (5) VLPA/I&S Develops new media literacies that enables students to navigate, critique, and actively participate in the development of new media forms.

BIS 234 Media and Communication Techniques (1-5, max. 10) VLPA Krabill, Milutis Develops beginning to intermediate skills and techniques in one or more forms of communication practice and media production.

BIS 235 Critical Media Literacy (5) I&S Harewood, Jones, Krabill Explores how contemporary media communicate and produce meaning with the goal of developing students' abilities to engage critically with their various media environments. Examines, interprets, and evaluates technologically mediated communications in order to critically assess their social, cultural, and political meanings and implications.

BIS 236 Introduction to Interactive Media (5) VLPA/I&S Gregory Explores the role of interactive media in shaping society and culture.

BIS 240 Introduction to Sustainable Practices (5) I&S/NW Introduces contemporary practices of environmental sustainability. Examines permaculture, sustainable building, life cycle analysis, renewable energy, soil amendments, and recycling. Provides hands-on experience in the implementation of sustainable practices.

BIS 241 Nature in the Northwest (5) NW Gold, Groom, Stokes Examines local and regional ecosystems and their interaction with human communities. Applies approaches from the environmental sciences and the practice of natural history to develop an understanding of
ecosystem functions, organisms, and their relationships.

**BIS 242 Environmental Geography (5) I&S/NW Turner** Investigates the interactions of a dynamic planet and society. Analyzes geographic variability and the human consequences of environmental phenomena such as climate, natural resources, natural hazards, and infectious diseases. Emphasizes the application of geographic tools and methods.

**BIS 243 Introduction to Environmental Issues (5) I&S/NW Stokes, Turner** Introduction to the major environmental challenges confronting society, and the science of understanding and addressing those challenges. Provides an overview of major issues such as global climate change, biodiversity loss, and sustainability; as well as in-depth understanding of specific issues.

**BIS 244 Wetlands Discovery (2-3) NW Gold, Turner** Provides an experimental introduction to environmental science, education, and policy through an exploration of wetland ecosystems. Explores how humans interact with wetlands ecosystems. Stresses active learning in relation to the campus Wetlands.

**BIS 250 How Things Work: Motion and Mechanics (5) I&S/NW Collins** Introduces basic scientific concepts needed to understand technologies encountered in everyday life. Themes may include the physics of motion and thermodynamics, and the applications in heating/coming and transportation. Readings focus on the history of science and invention.

**BIS 251 How Things Work: Electricity and Invention (5) I&S/NW Collins** Introduces basic scientific concepts needed to understand technologies encountered in everyday life. Focuses on electricity and its applications in various electronic devices, appliances, and systems. Readings in the history of technology develop the context in which discovery, invention, and innovation unfold.

**BIS 260 Introduction to World Religions (5) I&S** Explores the world’s major religious traditions. Stresses the wide range of perspectives within each tradition, their porous boundaries, contested beliefs, and multiple practices as they have adapted to new circumstances and the needs of changing communities over time.

**BIS 261 World History I (5) I&S** Situates human history within broadest possible context -- from beginning of the universe, through early earth history and the origin and evolution of earth’s biomass and the human species to the development of the great classical societies of China, India, Persia, and the Mediterranean.

**BIS 262 World History II (5) I&S** Explores world history from the time of the ancient classical empires to the global Enlightenment periods of the Eighteenth century. Investigate the interaction of different peoples with their social and natural environments.

**BIS 263 World History III (5) I&S** Explores world history from the Enlightenment periods of the Eighteenth century to the present. Investigates the interaction of different peoples with their social and natural environments.

**BIS 264 Africa on Film (5) VLPA/I&S Krabill** Introduces historical and contemporary issues facing the continent of Africa through an examination of films dealing with African themes. Addresses the strengths and weaknesses of how African issues are depicted within and outside the continent.

**BIS 265 Multicultural America (5) I&S Banks, Goldberg** Introduces the concept and practice of multiculturalism in the United States and beyond it borders. Focuses on differences of power, perspective, and privilege. Explores opportunities and strategies for alliance and coalition. Stresses diverse interpretive and methodological approaches in American Studies.

**BIS 270 Abnormal Psychology (5) I&S** General instruction to the study and treatment of psychopathology. Covers research on and theories about definitions and "causes" of psychological problems from a variety of
perspectives. Addresses some of the major classes of mental health problems, such as mood and anxiety disorders, their causes and treatment.

BIS 271 History of Psychology (5) I&S Thomas Examines the roots of contemporary psychology as an academic discipline and as a profession. Focuses on approaches to the history of psychology, philosophical viewpoints that led to a new psychology in the late 19th century, and major schools of thought in the 20th century psychology.

BIS 275 Social Problems (5) I&S Explores how challenges to society, such as crime, violence, injustice, poverty, and disease; are framed as social problems and then related to solutions. Examines the role of major institutions in problem identification, the power of language and media, and how social agendas are determined.

BIS 280 U.S. Political Processes (5) I&S Studies interaction between U.S. governmental institutions at all levels and civil society. Examines a variety of theoretical viewpoints and the relationships between private and public institutions, behaviors, and traditions.

BIS 281 Global Politics (5) I&S Dolsak Surveys key global challenges, the ways to address them, and the involved actors. Challenges include alleviation of poverty, protection of human rights, globalization, demographic changes, resource depletion and pollution, ethnic and international conflict, and terrorism. Actors include national and sub-national governments, international governmental organizations, alliances, non-governmental organizations, and for-profit organizations.

BIS 282 Globalization (5) I&S Dolsak Investigates different meaning of the claims about globalization, a term often used to describe processes of change that take place across and outside of national contexts. Critically examines contemporary global processes in order to explore their impacts on our lives.

BIS 293 Special Topics (5, max. 15) Examines different subjects or problems from an interdisciplinary framework.

BIS 295 Community-Based Practice (5, max. 15) Links academic study to experiential and community-based learning conducted at on- or off-campus sites. Topics and sites may vary with instructor.

BIS 300 Interdisciplinary Inquiry (5)ntroduction to advanced work in interdisciplinary studies centered on broadly based questions and problems. Stresses the skills necessary to engage in upper-division research and learning in the Interdisciplinary Arts and Sciences Program.

BIS 301 Narrative Forms (5) VLPA Behler, Seaburg Examines the form, function, and textual conventions of such narrative forms as (auto) biography, personal experience narratives, short stories, and novels. Explores literary language useful for discussing narratives, how narratives work for their readers/listeners, and what interpretive tools readers/listeners bring to narratives.

BIS 302 Issues in Mathematics Across Cultures (5, max. 10) I&S Hillyard, Littig Examines the role of mathematics in informing and shaping human understanding of the world. Explores contemporary and historical issues in the development and application of mathematical theories and philosophies. Focus varies with instructor and may include ethnomathematics, women in mathematics, media representations of the mathematical sciences, and mathematics and warfare.

BIS 305 Issues in Social and Political Philosophy (5, max. 10) I&S A philosophical investigation of conceptual and normative issues associated with one of several broad domains of social and political thought: human rights, the varieties of human conflict, and war and peace. Examines both classical and recent texts. Brings theoretical perspectives to bear on contemporary issues.
BIS 306 Marine Diversity and Conservation (5)
I&S/NW Exploration of marine biodiversity of the Pacific Northwest. Basic concepts in evolution, development, ecology, and conservation are introduced through inquiry-guided exercises based in the marine environment. Examination of human impacts on marine environments and subsequent consequences for human health and welfare.

BIS 308 Issues in Philosophy and Culture (5, max. 10)
Examines a central problem associated with the nature, varieties, values, and transmission of cultures. Alternative problems to be emphasized include the cultural relativity of truth and value, multi-cultural education, and knowledge and practice. Emphasizes philosophical texts. Also considers writings from sociology, anthropology, history and literature.

BIS 309 History of Dance in Europe and America (5) VLPA Discussion of the major developments in European and American dance history. Dances from the court, ballroom, and theater including masterpieces from the modern repertoire. Based on primary source material and film recreations that document dance’s social and theatrical role from the Renaissance to the present.

BIS 312 Approaches to Social Research (5) I&S Deals with the why and how of social research. Covers two main themes: the epistemology of social science and the logic of research design. Students learn to assess the strengths of various methodologies, evaluate research results, and initiate future inquiries of their own.

BIS 313 Issues in Media Studies (5, max. 15) VLPA/I&S Examines a variety of issues involved in understanding different forms of media and their impact on our lives, in contexts spanning from local to global, using a wide range of theoretical, disciplinary, and methodological approaches.

BIS 314 Topics in Geography (5, max. 10) I&S Topics/areas of study may include: cultural geography, physical geography, geography of globalization.

BIS 315 Understanding Statistics (5)
I&S/NW/QSR Presentation of key concepts for understanding and judging reports of statistical analyses and for performing and reporting valid statistical analyses using a limited set of measures and tests.

BIS 316 Topics in Psychology (5, max. 15) I&S Examination of a specific topic in order to provide a deeper understanding of a particular aspect of psychology. Topics may include the history of psychology; human memory; dreaming; cognitive psychology.

BIS 317 Language, Society, and Cultural Knowledge (5) VLPA/I&S Explores the determining role of language in human communication, culture and worldview; and the implications of language structure and content to forms of communicative interaction. Review and critique of theories of language as a social phenomena.

BIS 318 Education and Society (3) I&S Examines educational problems, policy, and practice from interdisciplinary perspective. Explores the tensions between education values and goals throughout the history of public schooling in the United States and develops critical perspectives through which to evaluate current proposals for school reform.

BIS 320 Comparative Political Economies (5) I&S Examines the production and distribution of goods, the organization of labor, and systems of wealth and power in diverse cultural settings within and outside the realm of "classical" capitalist development. Analyzes interactions between political constituencies and the economies they attempt to govern.

BIS 321 U.S. Politics and Culture from 1865 (5) I&S Survey of U.S. history from the Civil War to the present focusing on the interplay between political and cultural institutions, ideology, and daily practice. Introduction to the practice of "doing history" by examining a wide range of primary documents.
BIS 321 United States History from 1865 (5) I&S
Examines key events and problems in U.S. history from the Civil War to the recent past. Focuses on the practice of "doing history" by applying historical thinking skills to a wide range of primary documents.

BIS 322 Topics in Performance Studies (5, max. 15) VLPA Examination of a specific topic in order to provide a deeper understanding of a particular aspect of the study of performance. Topics may include transnationalism and performance; eco-performance, community performance; African and Asian theatre. Topics and approaches may vary with instructor.

BIS 323 U.S. Politics and Culture to 1865 (5) I&S
Survey of U.S. history from pre-European and Native American contact to the end of the Civil War, focusing on the interplay between political and cultural institutions, ideology, and daily practice. Introduction to the practice of "doing history" by examining a wide range of primary documents.

BIS 323 United States History to 1865 (5) I&S
Examines key events and problems in U.S. history from European-Native American contact to the end of the Civil War. Focuses on the practice of "doing history" by applying historical thinking skills to a wide range of primary documents.

BIS 325 Disability and Human Rights (5) VLPA/I&S Considers the intersections between human rights discourse and disability studies in relation to questions of community formation and social action. Addresses three primary areas: the arts, activism, and the law.

BIS 326 Twentieth Century Eastern Europe (5) I&S The recent revolutions in Eastern Europe threw off totalitarian regimes and replaced them with diverse and emerging cultural, political, and economic forms. Examines the art, literature, politics, economics, and ideologies of these new societies through film, reading seminars and independent research.

BIS 327 History of U.S. Labor Institutions (5) I&S
Examines the evolution of the institutions that have shaped labor. Discusses indentured servitude, slavery, apprenticeship, schooling, wage labor, unions, and the laws that surround each of these institutions.

BIS 329 Topics in Mathematics Across the Curriculum (5, max. 10) Examines mathematical theories and concepts within their historical and cultural contexts. Topics vary with instructor and may include mathematical symmetries, the organization and modeling of space, cryptology, mathematical models of social decision making, and/or theories of change and strategy.

BIS 330 Democratic Capitalism in the United States (5) I&S Critical examination of the relationship between three political perspectives (libertarian, liberal and radical) and democratic capitalism.

BIS 332 Rise of East Asia (5) I&S Compares the cultural, economic, and political development of the countries of East Asia. Topics may include political institutions, religion, business, economic development, trade and finance, science and technology, and arts and literature.

BIS 333 Media and Communication Studies (5) VLPA/I&S Behler, Harewood, Krabill Emphasizes the skills of critical media analysis and creative media production. Addresses media representations and the importance of media in structuring contemporary society.

BIS 334 Traditional Chinese History (5) I&S
History of traditional China from earliest times to the beginning of the Ch’ ing dynasty. Covers the birth and development of the principal social, economic, and political institutions in China. Also treats the principal cultural and scientific achievements of China, and the philosophical traditions which have dominated East Asia.

BIS 335 Human Rights in America (5) I&S Study of the literature of civil liberties, civil rights, and human rights in the United States. Examines the way writers try to justify specific rights and to
communicate the need for social change in American society.

BIS 336 Native American Cultures: The Northwest Coast (5) I&S An interdisciplinary introduction to the Native Cultures of the Northwest Coast (northwestern California to southeastern Alaska). Combines an areal-topical approach (language, subsistence, material culture, social organization, religion, oral/literary traditions, visual arts) with a more in-depth examination of several Northwest Coast culture groups.

BIS 337 Risk and Resilience (5) I&S Udell Provides an overview of the psychological study of development in the context of adversity. Studies pathways that lead to maladjustment and processes that lead to positive adjustment, and considers social policy and preventative programs.

BIS 338 Political Institutions and Processes (5) I&S Studies the nature, structure, and functions of political institutions. Develops a theoretical and empirical analysis of both formal (state and government) and informal (non-state) institutions and actors:

BIS 339 Issues in Global Cultural Studies (5, max. 15) Examination of various topics and approaches to the study of culture in a global context. May include the study art, literature, theater, cultural history, music history/ethnomusicology, and/or cultural anthropology/geography. Topics and approaches may vary with instructor.

BIS 340 Approaches to Cultural Research (5) VLPA/I&S Burgett, Gardner, Lerum, Seaburg Examines different approaches to understanding the production and consumption of culture and cultural practices. Invites students to evaluate cultural research, to experience with different research methodologies, and to carry out research assignments. Explores ethnographic, textual, and arts-based methods.

BIS 341 Topics in the Study of Culture (5, max. 15) Examines the study of cultural forms, artifacts, and practices. May include art, art history, literature, theater, music history, ethnomusicology, dance, and/or religion. Topics and approaches may vary with instructor.

BIS 342 Geographic Information Systems (5) I&S Examines the concepts and methods of geographic information systems (GIS) and related elements of spatial analysis and representation. Through projects and lab exercises, student gain basic proficiency in the use of GIS and an interdisciplinary understanding of the applications of GIS.

BIS 343 Media Production Workshop (1-5, max. 15) VLPA Harewood, Milutis Provides hands-on experience in communicative practice and the production of media. Combines production and theory.

BIS 344 International Relations (5) I&S A survey of basic themes in international relations within the context of diplomatic history and American foreign policy. Emphasis is on basic motivational drives of world politics, including national interests, ideology, morality, and nationalism. Discussion of war, diplomacy, American foreign policy, and international organization sheds light on the perennial struggle for power among nations, the security dilemma and instruments of global cooperation.

BIS 346 Topics in Environmental Policy (5, max. 10) Explores specific topics in environmental policy in an interdisciplinary context, combining considerations of politics, policy, economics, and science. Emphasizes quantitative analysis and scientific method.

BIS 347 History of American Documentary Films (5)VLPA/I&S Exploration of the important technological and cinematic innovations of non-fiction films within their cultural contexts, and examination of theoretical issues such as objectivity and the blurred line between fact and fiction. Stresses the skills necessary for the critical evaluation and interpretation of documentary films.
BIS 348 Cultural Psychology (5) I&S  Addresses the ways that cultural traditions and social practices both reflect and transform psychological experience. Examines both new theoretical and empirical work in cultural psychology and the intellectual roots of cultural psychology. Explores the implications of a cultural perspective for the larger projects/concerns of the field of psychology.

BIS 350 The Concept of Number (5) NW/QSR  Explores the concept of number from an historical perspective and the modern mathematical perspective. Stresses the new properties of "number", starting with counting numbers and progressing to the concept of a field.

BIS 351 Topics in American Culture (5, max. 15)  Explores a particular topic in American culture that highlights the methodological tools needed to integrate the interpretation of cultural texts, including literature, film, music, and art, with their historical contexts.


BIS 354 Modern European Intellectual History (5) VLPA/I&S  Study of key figures and intellectual debates of Western modernity, and of major literary movements (romanticism, realism, modernism). Analysis of seminal texts such as Rousseau’s *Discourse on Inequality*, Flaubert’s *Madame Bovary*, Nietzsche’s *Genealogy of Morals*, and Woolf’s *To the Lighthouse*.

BIS 355 History of Science and Technology (5) I&S  Introduces the historical development of science and technology and their interaction with social, cultural, and political forces across time and space.

BIS 356 Ethics and the Environment (5) I&S  Examination of the “environmental crisis” and associated social conflicts, tracing them to their philosophical roots. Focuses on the facts of the current situation, on classic and recent readings from the environmental literature, and on ethical responses to current issues.

BIS 357 Native American Religious and Philosophical Thought (5) I&S  An exploration and comparison of religious and philosophical themes developed by tribal people in the New World; an analytical examination of various forms of religious and philosophical expression and how they relate to our human sense of an existing moral order.

BIS 358 Issues in Environmental Science (5, max. 10) I&S/NW  Explores environmental problems from stratospheric ozone depletion to the preservation of endangered species to acid rain. Focuses on methods of analysis from the physical and life sciences as well as economics, psychology and related fields. Examines issues within their larger social, historic, and political contexts.

BIS 361 Studies in American Literature (5, max. 10) VLPA I&S  Examines important literary movements and literary genres with attention to their historical context. Emphasizes issues of race, class, and gender.

BIS 369 Women Across Cultures (5) I&S  Examines the experiences of women around the globe from a variety of disciplinary perspectives; world systems theory, feminist sociology and anthropology. Examines women’s lives with respect to various institutions: politics, the family, education, as well as at the micro-level in the home, in day-to-day interacting and in relationships.

BIS 371 Twentieth-Century American Literature (5) VLPA Examination of significant writers and literary developments within twentieth-century American culture and society. Addresses issues surrounding the formation of an American literary canon. Stresses themes and methods for advanced literary interpretation within American Studies.

BIS 373 Cultural History of Rome (5) VLPA/I&S Intense study of the urban space of Rome as a cultural center from its origins to the modern era. Examines Roman influence over time covering the republican, imperial, and papal phases of this city as illustrated through the visual record of buildings, gardens, sculpture, mosaics, and paintings.

BIS 376 Circa 1500: Arts of West and East (5) VLPA Cultural history through the arts with emphasis on the era of early European expansion into Africa, the Americas, and Asia. Focuses on parts of the Mediterranean and Northern Europe, Islamic spheres of the ancient Near East and Africa, the Aztec and Inca cultures, Ming China, and Muromachi Japan.

BIS 377 Student Research Collaboratory (2, max. 6) Gillespie, Kochis, Thomas Student design and implement research projects on interdisciplinary education and student life with reference to their IAS education.

BIS 378 The Language of Poetry (5) VLPA Study of how poetic meanings are formed and interpreted. Explores different forms of poetry within diverse cultures and historical times.


BIS 381 The History of Life (5) I&S/NW,QSR Price Explores the principles of evolution by examining the fossil record, focusing on how past events shaped today’s biodiversity. Engages with contemporary controversies regarding scientific literacy.

BIS 382 The Visual Art of Biology (5) VLPA/NW Price Explores the intersection of biology and art through representations of nature in illustrations, photography, and film. Examines the effect of technological discoveries such as the telescope, microscope, and camera that shape and enhance our representations of nature.

BIS 383 American Art and Architecture (5) VLPA Explores major trends in American art comprising painting, sculpture, architecture, urban design, and the decorative arts from 1600 to present.

BIS 385 Cross-Cultural Oral Traditions (5) VLPA Examines oral traditions from around the world. The primary focus is on folktale, although the genres of myths, tales, personal experience narratives, and jokes may be explored. Introduces several theoretical approaches to analyzing the content, style, and structure of oral traditions.

BIS 386 Global Environmental Issues (5) I&S/NW Addresses the connections between local activities and the global environment; the scientific approach to these problems (both quantitatively and qualitatively); and policy implications.

BIS 387 Women and American Literature (5, max. 10) VLPA Study of women writers and the ways women have been portrayed in literary texts. Focuses on certain themes, such as selves and subjectivities, or on writers from specific historical, economic, ethnic, or racial backgrounds.

BIS 388 The Philosophy and Science of Quantum Mechanics (5) NW/QSR Explores the basic philosophical and scientific concepts of quantum mechanics. Uses the historical development of quantum mechanics to develop its general principles and create an understanding of the scientific method. Examines the relationships between scientific observations, concepts, and theories.
BIS 389 American Indian Literature (5) VLPA/I&S  A survey of both traditional and contemporary American Indian Literary genre; oral and written modes of expression, including oral narratives, autobiography, oratory, traditional and contemporary poetry, fiction.

BIS 390 Ecology and the Environment (5) NW  A general introduction to ecology. Introduces the principles that govern how organisms interact with each other and with their surroundings.

BIS 391 Environmental History of the Pacific Northwest Bioregion (5) I&S Stokes  Examines the history of the relationships between humans and their environments in the Pacific Northwest, from the time of earliest human inhabitants to the present, with particular reference to current environmental and resource issues.

BIS 392 Water and Sustainability (5) I&S/NW  Provides an understanding of past and present water challenges and some of the possible opportunities for solving them. What is the state of water in the United States and how did we get to this point? Examines the future prospects for wisely using water resources.

BIS 393 Special Topics (3-5, max. 15) Various topics designed to respond to faculty and student interests and needs.

BIS 394 Comparative Economic Development (5) I&S  Introduces a variety of issues affecting Third World economies in a framework that emphasizes their particular and varied post-colonial histories. Draws on economic theory, cultural and economic anthropology, literature, and other sources to understand institutions and sources of change in these economies.


BIS 396 Topics in Sustainability (5, max. 15)  Examines topics in sustainability. Includes social, political, historical, cultural, artistic, economic, or scientific explorations of sustainability issues.

BIS 397 Topics in Environmental Studies (5, max. 15)  Examines topics in Environmental Studies. Includes social, political, historical, cultural, artistic, economic, or scientific explorations of environmental issues.

BIS 398 Directed Study/Research (1-5, max. 15)  Opportunity for directed group or individual research on a topic/theme mutually agreed upon by instructor and student.

BIS 399 Portfolio Reflection (2, max. 6)  Students assemble, critically reflect on, discuss, and present their IAS degree portfolios. Prerequisite: BIS 300.

BIS 400 Modern Japan (5) I&S  History of Japan from the beginning of the Tokugawa period to the present. Covers the principal ideas and institutions of the feudal period, and the impact of the West during the Meiji period. Explores the struggle of modern Japan to maintain its cultural identity while becoming a powerful modern state.

BIS 401 Topics in Economic History and Analysis (5, max. 10) I&S  Selected economic studies. Possible topics include history of monopoly and antitrust policy, economic regulation, structural change in the U.S. economy, labor economics, and the Industrial Revolution. Recommended: prior course in economics.

BIS 402 Modern China (5) I&S  History of modern China since the beginning of the Ch’ ing dynasty, 1644 to the present. Focuses on the major social, political, and economic developments, and on the relationships between ideas and institutions. Topics include the impact of the West and changes resulting from internal causes.
BIS 403 Washington D.C. Seminar on Human Rights (5) Examines human rights as a philosophical concept, an historical movement, and a contemporary political phenomenon, both in its inherently international scope and in its distinctly U.S. expression in congressional and executive-branch processes. Uses expert guest speakers, both on campus and in Washington, D.C., as major learning resources, along with readings and written assignments.

BIS 404 Twentieth-Century Russia (5) I&S History of Russia from the reign of Nicholas II to the present. Covers the main cultural, political, social, and economic events from the end of the Imperial period through the founding of the Soviet Union to the remarkable dismantling of Soviet institutions by Mikhail Gorbachev in the present.

BIS 405 Environmental Education (3) I&S Analyze various environmental programs and prepare an individualized project. Learn to apply ecological concepts in the classroom and learn how to teach about various environmental education programs.


BIS 409 Modern Germany (5) I&S Interdisciplinary study placing the emergence of contemporary Germany in its larger historical context. Explores important eras of German history and focuses on major aspects of post-war economic, political, and cultural life in order to grasp the unique role that Germany has come to play in the European community of today.

BIS 410 Topics in Qualitative Inquiry (5, max. 15) I&S Provides a background for understanding qualitative inquiry. Focuses on ethnographic inquiry and interpretative cultural analysis. Discusses forms of data collection such as observation, participant observation, and interviewing. Also stresses strategies for data analysis and for handling qualitative data.

BIS 411 Biotechnology and Society (5) I&S Clarifies the scientific, political, economic, and ethical dimensions of new genetic technologies. Explores the tension between biotechnology as a source of economic opportunity and as a potential threat to the environment and human freedom, and the role of government in promoting and regulating science and technology to resolve this tension.

BIS 412 Ideas in Political Economy (5) I&S Surveys the rich intellectual tradition in political economy, from classical writings to the present. Provides a critical perspective on the development of modern capitalism.

BIS 413 Nations and Nationalism (5) I&S Examines modern nationalism as a vast, contested, and crucial subject. Addresses current theories and historical evidence about the origin and nature of nationalist ideologies and their relationships to the modern nation-state.

BIS 414 Topics in Human Rights (5, max. 10) I&S Explores a critical issue of human rights theory and practice and its intersection with the other fields of thought and disciplines. Topics may include such issues as the rights of children, workers, or women; or the relationship of human rights to democracy, globalization, and the arts.

BIS 415 Public Policy and Law (5) I&S Examines the different histories of and processes by which law and public policy create rules that govern a society. Discusses the nature and influence of law and policy in our society via a sociological perspective.

BIS 416 Problems in International Political Economy (5, max. 10) I&S Problems in world markets and political organization. Topics may include comparative industrialization, economic imperialism, the capitalist transition in Central Europe, and financial crises.

BIS 417 Paris: The City and Its History (5) VLPA/I&S Explores the issues of urban culture and history in the city of Paris. Uses pertinent primary and secondary texts to explore why
Paris has been regarded as the jewel of European cities and what constitutes its sense of place.

**BIS 418 Masculinity, Homoeroticism, and Queer Theory in American Culture (5) VLPA**
Exploration of the shifting and contradictory images and ideas of masculinity in American culture, focusing especially on the way masculinities are constructed in relations between men. Emphasizes advanced methods in American Studies.

**BIS 419 Urban Politics and Policy (5) I&S**
Examines the historical, economic and ideological foundations for urban governance within the American political system. Compares and contrasts urban politics and public policy implementation in selected U.S. cities and regions. Special emphasis on policy issues affecting political and economic development and the distribution of political power and social benefits.

**BIS 420 Colonizing History in Sub-Saharan Africa (5) I&S**
Considers the history of colonization in Africa and the writing of that history, dealing with debates around post-colonial theory. Provides a better understanding of how relationships between Sub-Saharan Africa and other parts of the world have developed, and how we have come to understand those relationships.

**BIS 421 Technology Policy (5) I&S**
Examines the role of public policy in managing the tradeoffs between benefits and risks of new technology. Discusses how to evaluate U.S. technology policies against the standards of democracy, economic efficiency, and social justice.

**BIS 422 Clinical Psychology (5) I&S Stewart**
Explores the intellectual, emotional, biological, psychological, and behavioral aspects of human functioning. Topics include maladjustment and adjustment, discomfort, disability, and adaption. Specifically addresses assessment and diagnosis; theory and strategies of intervention; ethics and standard, research methods; and training and specializations.

**BIS 423 The City in American Culture (5) VLPA/I&S**
Explores the contested terrain of urban landscapes in American culture by interpreting literature, film, and other cultural texts within their historical and geographical context. Uses methods and knowledge gained from introductory American Studies courses to focus on specific themes.

**BIS 424 Topics in American Studies (5, max. 15)**
Examination of a specific topic in order to provide a deeper understanding of a particular aspect of American culture.

**BIS 425 Topics in U.S. Social and Political History (5, max. 15) I&S**
Intensive examination of a particular topic on American institutions, ideologies, movements, and social conditions.

**BIS 426 Comparative Urban Politics (5) I&S**
Compares processes of urban governance and the politics of central-local relations in various advanced industrial societies. Analyses urban public policies and the distributions and effects of political and economic power in selected cities are analyzed. Draws contrasts with Third World cities and explores global processes of urbanization.

**BIS 427 Global History I (5) I&S**
Provides a global perspective on the history of the human community from hunting-gathering times to the end of the formative stage of human cultures. It is divided into eleven main areas of focus: world origins, human origins, environment, society, politics, economics, technology, art and religion, disease, and migration.

**BIS 428 Global History II (5) I&S**
Provides a global perspective on human history to the beginning of the modern age. It is divided into ten main areas of focus: indigenous peoples, disease, gender, Indian Ocean, Arab Trading Network, maritime exploration, Atlantic Trade, world population, the gun powder empires, and the rise of the nation-state.

**BIS 429 Global History III (5) I&S**
Provides a global perspective on human history from the scientific revolution to the present. Explores ten
main areas: the scientific revolution, nationalism, the industrial revolution, the various economic systems, colonialism, war, crisis of ideas, global society, the environment, and a look into the twenty-first century.

**BIS 430 Social Theory and Practice (5, max. 10)**
Focuses on a particular concept or problem in social theory and practice, such as the nature of community, the meaning and value of professionalism, the varieties of human conflict, human rights.

**BIS 431 Issues in Sexual Politics and Cultures (5, max. 10)**
Examines the ways that sexual beliefs, practices, identities, and behaviors are connected to various cultural, economic, political, and historical forces. Ideally builds on students' previous critical study of sex and sexuality, either at the UW or elsewhere. Specific focus and topic varies with instructor.

**BIS 432 Democracy in Asia (5)**
Explores the institutional heritage of selected Asian countries, principally China, Japan, Korea, and Taiwan, and evaluates their suitability to democratic institutions. Frequent comparisons with the growth of representative democracy in the West.

**BIS 433 Gender, Work, and Family (5)**
Examines the interlocking institutions of gender, work, and family. Explores the impact of changing patterns of work on the lives of men and women and the effect of changes in work and occupations on demography and family patterns.

**BIS 434 Psychology and the Visual Arts (5)**
Explores the visual arts experience in many of its psychological, social, and cultural dimensions. Topics include visual perception and cognition, the process of assigning personal meaning and value to art, and the role of the visual arts in individual and community identity development and change efforts.

**BIS 435 Interactive Learning: Theory and Practice (5)**
Examines theories that support interactive learning—including constructionist-, critical-, and experientially based views. Emphasizes multiple dimensions of the learning situation. Mainly theory, with opportunities to relate practice to theory.

**BIS 436 Comparative Family Systems (5)**
Provides comparative analyses of family life in various cultures and societies. Topics include family organization, family and kinship structure, marital and parent-child relationships, socialization, aging and familial roles. Examines methods for conducting comparative research.

**BIS 437 Narrative Psychology (5)**
Examines the ways narrative has been used in psychology theory, practice, and research. Introduces narrative concepts and analysis techniques, examines how diverse cultural contexts shape personal stories, demonstrates narrative research strengths, and explores the ways larger social narratives can affect individual actualization.

**BIS 438 Prevention and Promotion (5)**
Examines prevention and promotion, the two fundamental intervention approaches of community psychology. Explores the strategies employed for each, and the array of phenomena, or variables, they address. Focuses on applications at the small group, community, and socio-cultural levels of analysis.

**BIS 440 Topics in Everyday Social and Cultural Life (5, max. 15)**
Intensive examination of a particular theme, tradition or problem in everyday social/cultural life. Topics may include living the good life; personal and interpersonal ethics; body, gender, society, and symbol; and psychology of gender.

**BIS 441 Global Labor Markets (5)**
Explores the history, theory, and institutions that affect labor's position in an increasingly globalized labor market. Fosters critical inquiry upon the globalization of labor markets and makes connections between global markets and local employment conditions. Required background: BIS 324 or microeconomics or macroeconomics.
BIS 443 Educational Policy and the American Economy (5) I&S
Examines relationships between the economy and our educational and training infrastructure: What are we doing and what should our educational policy be?

BIS 444 Issues in Comparative History (5, max. 10) I&S
Explores different special issues in comparative history. Topics include histories of the world, imperialism and colonialism, nationalism and nation states, and the history of gender in the east and west.

BIS 445 Meanings and Realities of Inequality (5)
A socioeconomic investigation into the meanings and realities of inequality using a variety of theoretical frameworks and empirical research. Focuses on the determinants of economic mobility and social status. Addresses discrimination, poverty, welfare, and education.

BIS 447 Topics in Quantitative Inquiry (5, max. 15) NW/QSR
Examines methods for quantitative data analysis. Uses current software packages to model data. Topics vary with instructor and may include probability, surveys, regression techniques, forecasting and time series, decision-making, or spatial analysis and data maps. Recommended: previous coursework in quantitative methods such as BIS 315 or BIS 312.

BIS 449 Advanced Topics in Psychology (5, max. 15) I&S
Gillespie, Stewart, Thomas, Udell
Advanced study of selected theoretical and research topics of contemporary interest in psychology.

BIS 450 Performance and Healing (5) VLPA/I&S
Investigates performance and healing to understand how a variety of performance forms including dance, theater, and music can provide vehicles for personal, social, and cultural healing.

BIS 451 Northwest Indian Myths and Tales (5) VLPA/I&S
Exploration of the rich oral traditional heritage of the Native peoples of the Pacific Northwest, emphasizing common features of content (plot, themes, and characters), style, and performance. Includes folkloristic, anthropological, and literary perspectives.

BIS 452 Marx, Nietzsche, Freud (5) I&S
Study of the challenges to the traditional Western conceptions of the self, history, knowledge, and art by these classic authors of modernity. Examines the critical impact of their writing within its historical and cultural context and the ongoing significance of their work through the study of prominent examples of contemporary theory.

BIS 455 Literature and Sexuality (5, max. 10)
VLPA/I&S
Advanced study of the changing definitions and discourses of sexuality in the nineteenth and twentieth centuries and their relationship to literary representations. Stresses historical, psychoanalytic, and literary perspectives.

BIS 457 Thinking and Decision Making (5) I&S
Survey of research and theory on how people process information about others, and themselves. Topics include attention and memory for person information, social schemata, biases in attribution, perceived control, heuristics for rapid inferences, and how cognition relates to emotion and behavior.

BIS 458 Energy, the Environment and Society (5)
I&S
Discusses energy production, distribution, and consumption in modern society. Topics include basic scientific, technological, economic, political and environmental issues and questions raised by the utilization of traditional and alternative energy sources.

BIS 459 Conservation and Sustainable Development (5) I&S/NW
Groom
Examines the connections between human welfare and diverse and healthy ecosystems. Considers tensions among economic development, poverty eradication, and biodiversity conservation. Examines efforts to create sustainable development solutions to easing poverty and protecting biodiversity.

BIS 460 Topics in Critical Theory (5, max. 10)
VLPA
Investigates theoretical approaches to the
study of literature. Topics may range from chronicles of critical theories to psychoanalysis and literature, or the examination of individual theoreticians such as Michel Foucault.

BIS 461 Studies in U.S. Intellectual and Cultural History (5, max. 10) VLPA/I&S  
In-depth investigation of a particular topic, theme, or tradition in the history of ideas or cultural practices in the United States. Builds on methods and knowledge gained in introductory American Studies courses.

BIS 462 The Culture of Cold War America (5) VLPA/I&S  
Examines Americans’ ideas, values, fears, and desires during the Cold war era by considering the production, reception, and meaning of popular Hollywood films in their historical context.

BIS 463 U.S. Women’s History (5) I&S  
Surveys the place of women in the United States from Native American-European contact to the present. Topics include comparative gender norms, women’s politics, gender and slavery, alliances and disagreements among women, women and work, courtship, sexuality, and marriage.

BIS 464 Topics in Advanced Cinema Studies (5, max. 15) VLPA  
Builds on the analytical and methodological skills gained in 300-level cinema studies courses. Focuses on specific topics which examine cinematic texts and institutions and their complex interrelationships within modern culture.

BIS 465 Performance, History, and Memory (5) VLPA/I&S Kochhar-Lindgren  
Investigates transnational performance forms as sites of memory, testimony, and archive. Explores the transmission of cultural knowledge in performance and how those traditions change as they travel across social, cultural, and geographic boundaries. Specific cultures examined vary by instructor.

BIS 466 Human Rights and Resistance (5) I&S Kochis  
Examines how cultural practice interacts with the modern human rights movement, exploring how cultural production such as music, literature, theater, or the visual arts can promote the human rights regime as it resists challenges to justices and human dignity.

BIS 467 Post-1945 U.S. Youth Culture: Culture, Theory, and History (5) VLPA/I&S  
Explores the development of various youth cultures in post-World War II America. Examines the relationship between youth cultures, mass culture, and adult mainstream society, and the way each shapes and is shaped by the other.

BIS 468 Human Rights and Sustainable Development (5) I&S Kochis  
Examines social aspects of a human right to sustainable development including education, democratic participation, the rule of law, human capabilities and functioning, nationality, religion, and a right to a safe environment.

BIS 470 Art, Politics, and Social Change (5) VLPA/I&S  
Explores art forms as windows on changing political cultures and the role of artists as social critics and advocates of political change in diverse historical epochs and societies and in conjunction with selected modern political movements.

BIS 471 Advanced Topics in Media and Communication Studies (5, max. 15) Behler, Krabill  
Advanced study of a topic in media and communication that includes a practice component. Recommended: BIS 333.

BIS 472 Advanced Media Production Workshop (1-5, max. 15) VLPA  
Provides focused study and production in a specific area of media arts and practice. Recommended: BIS 343.

BIS 474 Topics in European Cultural History (5, max. 10) VLPA/I&S  
Advanced interdisciplinary study of major periods, prominent movements, or representative figures of European cultural history. Gives special attention to the historical contexts and meanings of cultural life, as well as to the interrelations between the arts.

BIS 476 Issues in Art History (5, max. 15) VLPA/I&S  
Explores diverse issues in art history.
such as the history of photography, painting in the age of Rembrandt, and impressionism through surrealism.

**BIS 478 Art Patronage and Markets - Seminar (5) VLPA/I&S** Examines the changing patronage for the visual arts from its roots in the privatized consumption of the early modern period to the development of a modern commercial market. Considers the artist’s place, market manipulation, and the influence of museums and galleries on public taste.

**BIS 480 International Study Abroad (5)** Combines study at UW-Bothell with seminars and field trips organized by the faculties of host institutions in foreign countries such as Britain or Japan. Topics include politics, political economy, public policy, business, and literature and the arts.

**BIS 481 Modernism, Postmodernism, and American Literature (5) VLPA** An investigation into the multiple descriptions and definitions of Modernism and Postmodernism through the study of such twentieth-century writers as Eliot, Pound, Willi Stevens, Moore, Stein, Ashbery, Creeley, Antin, Hemingway, Dos Passos, Faulkner, Ellison, Barnes, Bowles, Paley, Morrison, and Silko.

**BIS 482 Problems in Interdisciplinary Science (5, max. 10)** Examines contemporary issues such as genetic engineering, acid rain and artificial intelligence through integrated perspectives from the physical, life, and mathematical sciences. Uses appropriate methods of analysis and evaluation that draw upon science, the social sciences, and the humanities.

**BIS 484 Arts Learning in the Community (5-10, max. 10) VLPA** Heuving, Kochhar-Lindgren, Milutis, Watts Develops a theoretical and practical understanding of arts-practices in relation to a selected community context. Engages in a specific project at an educational, social service, or arts organization, or in an arts-project that works across communities.

**BIS 485 Topics in Cultural Studies (3-5, max. 15) I&S** Explores in depth specific historical, political, or social aspects of cultural practice. Links this analysis to an examination of the processes involved in doing various forms of cultural work.

**BIS 486 Studies in Women and Literature (5, max. 10) VLPA** Advanced study concentrating on individual or a group of related women writers with attention to such subjects as women and language, feminist literary criticism, and canon formation.

**BIS 487 Topics in American Literature (5, max. 10) VLPA** Advanced study in American literature concentrating on individual writers, literary movements, specific critical approaches to literature, or literary canons and their critics.

**BIS 488 Topics in British Literature (5, max. 10) VLPA** Advanced study of significant authors, issues and movements in English literature. Topics include Shakespeare and the idea of tragedy, Virginia Woolf as artist and cultural critic, and canon formation and the Romantic movement.

**BIS 490 Senior Seminar (5, max. 10)** Study of special topics in interdisciplinary arts and sciences.

**BIS 490 Senior Seminar (5, max. 10)** Study of special topics in interdisciplinary arts and sciences. Prerequisite: BIS 300.

**BIS 491 Topics in Policy Studies (3-5, max. 15) I&S** Explores in depth a specific topic in policy analysis and implementation. Topics include environmental policy, educational policy, cultural and arts practices, labor policy, and health care policy.

**BIS 492 Senior Thesis (5-5, max. 10)** A significant independent research project planned and carried out by the student under the direction of two or more faculty on a significant scholarly topic selected by the student in consultation with thesis advisor.
**BIS 493 Special Topics (3-5, max. 15)** Advanced course offerings designed to respond to faculty and student interests and needs. Topics include French Impressionism, social movements in late nineteenth-century Japan, international business and the changing European economic structure.

**BIS 494 Task Force (3-5, max. 15)**

**BIS 495 Internship (1-5, max. 5)**

**BIS 496 Community Service Project (3-15, max. 15)** In conjunction with faculty adviser, students develop and implement a community service-learning project. Involves activities such as assistance to disadvantaged populations, community outreach programs, policy analysis, or related work intended to improve the quality of life in the community. Includes academic study designed to integrate practical applications with learning and theory. Credit/no credit only.

**BIS 497 Political Internship in State Government (5, max. 20)** Students serving in approved internship program with state government agencies.

**BIS 498 Undergraduate Research (1-5, max. 15)** Individual advanced research on topics conducted under the direction of one or more instructors.

**BIS 499 Portfolio Capstone (3)** Focuses on developing a learning and professional portfolio, advancing skills of critical thinking and interdisciplinary synthesis, and honing writing and presentation capacities for appropriate audiences. Stresses collaboration with other graduating students. Prerequisite: BIS 300.

**American Studies**

**BISAMS 363 Conflict and Connection in the Americas (5) I&S** Examines the Americas as a geographical and historical region. Applies a variety of approaches to specific topics and events, with particular attention to the interplay of politics and culture. Stresses interaction of local, regional, and global dynamics such as colonialism, migration, and slavery. Stresses diverse interpretive approaches within American Studies.

**BISAMS 364 Public Memory and Dissent in American Culture (5) VLPA/I&S** Examines in detail one (or more) case of social, political, legal, and/or cultural conflict, focusing on how it has been remembered, reconstructed, and reimagined, both textually and institutionally. Stresses diverse interpretive and methodological approaches within American Studies.

**BISAMS 365 Exploring American Culture: Popular and Consumer Culture (5) VLPA/I&S** Explores the interaction between consumer culture and popular culture emphasizing literature, history, and theory. Stresses diverse interpretive approaches within American Studies.

**BISAMS 366 Exploring American Culture: Americans at the Margins (5) VLPA/I&S** Examines a range of American folklore and folklife, including folk speech, worldview, and folk medicine and religion. Focuses on the relationship between the ideologies of official/institutional cultures and folk cultures. Stresses diverse interpretive approaches within American Studies.

**BISAMS 367 Exploring American Culture: Race, Ethnicity, and Immigration (5) VLPA/I&S** Examines how contested discourses of racial, ethnic, and national difference have shaped ideas about citizenship and "American" identities. Focuses on the relationship between these discourses and social, economic, and political practices and policies. Stresses diverse interpretive approaches within American Studies.

**BISAMS 368 Sex, Love, Romance (5) VLPA/I&S** Examines how ideologies and practices of sex, love, and romance have structured American political relations and everyday life. Focuses on
the relationship between public and private life, social and gender roles, race and reproduction, among other topics. Stresses diverse interpretive approaches and methodologies within American Studies.

**BISAMS 369 American Culture and Mass Media (5) I&S Goldberg** Combines an introduction to analytical methods for understanding mass media with the critical study of American cultural practices and structures. Applies analytical tools to a multimedia production.

**Culture, Literature, and the Arts**

**BISCLA 318 Performance, Identity, Community, and Everyday Life (5) VLPA/I&S** Examines performance in everyday life, dance, theater, community-based arts practices, and/or new media from a variety of perspectives. Considers how performances act as sites for the revisioning of identity, community, and cross-cultural exchange.

**BISCLA 349 Hollywood Cinema and Genres (5) VLPA** Examines Hollywood cinema as an institution of cultural affirmation and contestation within modern society. Explores the foundational methodology of cinema studies and employs a broad range of contemporary approaches to cultural and textual analysis.

**BISCLA 360 Literature, Film and Consumer Culture (5) VLPA/I&S** Explores innovative approaches to the study of literature and film in the age of consumer culture. Focuses on literary and cinematic communication as an important arena for the constitution of modern subjectivity and personal identity.

**BISCLA 372 Comparative Arts in Eighteenth-Century Europe (5) VLPA** Examples chosen from the realms of art, literature, and music produced during the Enlightenment demonstrate both the multiplicity and the interrelation of the three arts in Europe beginning with Watteau, Addison, and Couperin and ending with David, Goethe, and Mozart.

**BISCLA 380 Art and Its Context (5) VLPA/I&S** A humanistic reading of the history of Western art as traced in ten monuments from ancient Greece to twentieth-century America, supported by contemporary source readings.

**BISCLA 384 Literary and Popular Genres (5, max. 10) VLPA** Examines the conventions that define genres and their historical evolution. Focuses on one or two genres taken from the traditional modes of lyric poetry, tragedy and comedy, and epic, or from the popular forms of gothic romance, detective and mystery stories, and journalistic fiction.

**Community Psychology**

**BISCP 343 Community Psychology (5) I&S** Examines the historical foundations, theory, methods, and practice that constitute the interdisciplinary field of community psychology. Students build upon an existing empirical knowledge base, including effective modes of community intervention, and examine the relevance of community psychology for addressing social problem.

**BISCP 489 Projects in Community Psychology (5) I&S Thomas** Provides the opportunity to apply concepts from BIS 343 in a relevant organizational setting, to engage in a meaningful community-based intervention or research project, and to critically reflect on the project as it is conceived and carried out. Prerequisite: BISCP 343.

**Global Studies**

**BISGST 303 History and Globalization (5) I&S** The phenomenon of globalization has attracted the attention of many academic disciplines which often attribute novelty to trends that have in fact been around for centuries. Provides a historical perspective on current debates about globalization. Approaches may vary with instructor.

**BISGST 324 International Political Economy (5) I&S/QSR** The study of interrelations between
international politics and economics. Addresses the Bretton Woods institutions, differing political conceptions of international economic relations, trade, trade restrictions, trade agreements, global financial flows, migration, and exchange rates. Methods emphasize institutional analysis, historical analysis, accounting frameworks, and formal economic models.

**BISGST 362 Contemporary Political Ideas and Ideologies (5) I&S** Explores the juncture of political ideology with political experience in the context of such widespread ideas as nationalism, democracy, and socialism, and their diverse manifestations in contemporary political movements and systems.

**BISGST 397 Topics in Global Studies (5, max. 15) I&S** Examines a topic, theme, problem, or area of the world in order to provide a deeper understanding of an aspect of Global Studies.

**BISGST 497 Advanced Topics in Global Studies (5, max. 15) I&S** Advanced study of a specific topic, problem, or area of the world in order to provide a deeper understanding of an aspect of Global Studies.

**Interdisciplinary Arts**

**BISIA 207 Introduction to Creative Writing: Words, Stories, Dialogues (5) VLPA Heuving** Inquires into basic elements of creative writing that occur in multiple genres and media. Studies and practices writing in a workshop atmosphere.

**BISIA 213 Art Techniques (1-5, max 10) VLPA Kochhar-Lindgren, Milutis** Develops intermediate skills and applications in one or more studio arts in order to enhance students' abilities as performers, arts creators, or educators. Recommended: B CUSP 197 or prior experience.

**BISIA 310 Creative Writing: Poetry (5) VLPA** Intensive study of the theories and practices of writing poetry.

**BISIA 311 Creative Writing: Prose (5) VLPA** Intensive study of the modes and means of composing creative, non-fictional prose.

**BISIA 319 Interdisciplinary Arts (5) VLPA Edwards, Heuving, Kochhlar-Lindgren, Milutis** Investigates relationships between the study and making of art. Explores connections among written, visual, and performance arts and engages their intellectual, social, and aesthetic dimensions.

**BISIA 374 Arts Workshop (1-15, max. 15) VLPA Heuving, Kochhar-Lindgren, Milutis** Explores how art is made in specified areas of inquiry, genre, or media. Arts may include visual, written, or performance arts, or a combination of these.

**BISIA 483 Advanced Arts Workshop (1-5, max. 15) VLPA Heuving, Kochhar-Lindgren, Milutis, Watts** Advanced levels of art making which extend artistic proficiencies and knowledge. Arts may include visual, written, or performance arts, or a combination of these.

**Interdisciplinary Studies Skills**

**BISSKL 302 Team Building (2)** Introduces a theoretical and experiential understanding of team development, consensus decision-making, sharing values, diversity, facilitation, conflict resolution, and dialogue. Theory is based on emerging views of teams and organizations as self-organizing systems.

**BISSKL 350 Independent Fieldwork (1-6, max. 18)** Independent fieldwork in community agencies, apprenticeships, internships, as approved for College of Arts and Sciences credit. Faculty sponsor and internship supervisor are required. Credit/no credit only. Offered: AWSpS.

**BISSKL 351 Community-Based Learning (2-5, max. 15)** Independent study conducted in organizations in our communities, complementing a designated course.

**BISSKL 375 Academic Research and Writing Seminar (2)** Using a research project from
another course students refine writing skills and expand skills in accessing, identifying, and critically evaluating information. Must be concurrently enrolled in another IAS course.

BISSKL 377 Quantitative Reasoning (2, max. 4) Strengthens quantitative reasoning and develops problem solving and critical thinking skills through studying mathematics that can be used in everyday lives and careers.

BISSKL 400 Policy Journal Editorial Board (2, max. 10) Students nominated by faculty may participate on the editorial board of the Policy Journal. Board members are responsible for managing the content and production of the Policy Journal which is produced at least once per year, with the possibility of additional volumes if sufficient numbers of quality submissions are received. Credit/no credit only.

BISSKL 401 Literary Journal Editorial Board (2, max. 8) Provides opportunity to learn about publishing a literary journal by publishing the UWB Literary Journal. Students gain skills in communication, assessing and editing literary texts, layout design, technology for creating and disseminating multi-media work, project management, and teamwork. Credit/no credit only.

BISSKL 402 Peer Facilitation (2-5, max. 10) Provides direct experience in teaching and facilitation. Students gain in-depth background on subject material along with training in teaching techniques and facilitation approaches. Credit/no credit only.

Media and Communication Studies

BISMCS 234 Media and Communication Techniques (1-5, max. 10) VLPA Krabill, Milutis Develops beginning to intermediate skills and techniques in one or more forms of communication practice and media production.

BISMCS 333 Media and Communication Studies (5) VLPA/I&S Behler, Harewood, Krabill Emphasizes the skills of critical media analysis and creative media production. Addresses media representations and the importance of media in structuring contemporary society.

BISMCS 343 Media Production Workshop (1-5, max. 15) VLPA Harewood, Milutis Provides hands-on experience in communicative practice and the production of media. Combines production and theory.

BISMCS 471 Advanced Topics in Media and Communication Studies (5, max. 15) Behler, Krabill Advanced study of a topic in media and communication that includes a practice component. Recommended: BISMCS 333.

BISMCS 472 Advanced Media Production Workshop (1-5, max. 15) VLPA Provides focused study and production in a specific area of media arts and practice. Recommended: BISMCS 343.

Science, Technology, and Society

BISSTS 231 Genes, Genomes and Heredity (5) I&S/NW Servetnick Explores basic concepts of heredity, including DNA structure and function, Mendel's rules of inheritance, and human genetic diseases. Goals include understanding current issues in the field, including genetic screening and testing, DNA fingerprinting and forensic analysis, the genetic basis of cancer, and genetically modified organisms. Recommended: one year of high school biology. Offered: jointly with B BIO 231.

BISSTS 232 Embryos, Genes and Reproductive Technology (5) I&S/NW Servetnick Explores human reproduction, embryonic development, and genetic technology. Explores the increasing use of technology used in reproduction and related issues (e.g. in vitro fertilization, genetic selection of embryos, cloning, stem cells). Recommended: one year of high school biology. Offered: jointly with B BIO 232.

BISSTS 307 Science, Technology, and Society (5) I&S Presents concepts and theories used to investigate the creation, application, and governance of science and technology. Addresses
the nature of scientific and technological knowledge, social construction of science and technology, democracy and science, and public understanding.

BISSTS 397 Topics in Science, Technology, and Society (5, max. 15) I&S Examines a topic, theme, or problem at the intersection of science, technology, and society.

BISSTS 497 Advanced Topics in Science, Technology, and Society (5, max. 15) I&S Advanced study of a specific topic, or problem at the intersection of science, technology, and society.

Society, Ethics, and Human Behavior

BISSEB 304 Institutions and Social Change (5) I&S Explores the patterns of power that create our social world and how those patterns can be challenged or modified. Examines cultural, institutional, and interpersonal ways that people gain, challenge, and are affected by power and considers how and whether to bring about social change.

BISSEB 331 The Family in U.S. Society (5) I&S Examination of the historical development of the family, and the theoretical underpinnings of family relationships. Discusses current trends and changes in the family and family life.

BISSEB 333 The Individual and Society (5) I&S Socialization is the process by which individuals develop into social beings. Examines various theories of socialization and human development. Explores the role played by social structure and institutions in the integration of the individual into society.

BISSEB 359 Ethics and Society (5) I&S Examination of major ethical alternatives (egoism, utilitarianism, hedonism, virtue ethics, relativism, emotivism) along with competing visions of the good society (libertarian, communitarian, feminist). Analyzes several contemporary problems, such as legal moralism, affirmative action, euthanasia, capital punishment, corporate responsibility.

Policy Studies - Bothell

BPOLST 492 Topics in Policy Research (3-5, max. 10) Explores topics in policy research to prepare students planning to enter a graduate level policy program. Topics may include: quantitative research methods, qualitative research methods, or research writing for the social sciences.

BPOLST 500 Policy Process (5) Focuses on political and institutional aspects of public policy processes. Examines rationales for public policy and the processes in which they are articulated and negotiated; formulation of policies; selection of policy instruments; and policy implementation. Offered: A.

BPOLST 501 Public Finance and Budgeting (5) Jacoby Analysis of government expenditures and revenues. Uses economic theory to examine key public policies in areas such as health, education, and labor. Emphasizes policy rationales and impacts regarding efficiency and equity. Develops accounting concepts necessary for budgeting analysis. Prerequisite: Microeconomics. Offered: Sp.

BPOLST 502 Statistics for Policy Studies (5) Surveys important aspects of social science research for academic and practical investigation. Focuses on gaining an understanding of research and statistical analyses and their relationship to policy concerns. Prerequisite: minimum grade of 2.7 in BPOLST 500. Offered: W.

BPOLST 503 Policy Analysis (5) Focuses on methods and approaches used in policy analysis and program evaluation. Examines and applies interdisciplinary approached and methods for evaluating policy impacts and outcomes, including cost-benefit analysis, randomized field experiments, quasi-experimental assessment, and participatory assessment.

BPOLST 504 Management and Organizations (5) Addresses how organizational cultures, processes, and resources create and limit policy
options in local, state, and national context. Examines how an organization’s strategies, perspectives, and patterns of resource management shape organizational responses to a variety of policy issues and problems. Prerequisite: minimum grade of 2.7 in BPOLST 500, BPOLST 502, and BPOLST 503.

BPOLST 505 Leadership and Organizations (5) Decker, Kochis Explores the human interactional dimension of organizational culture, behavior, and outcomes. Special attention is devoted to how individual and group dynamics frame the options open to leaders, managers, and employees in public, private, and non-profit organizations, and how leaders and managers shape the culture and behavior of organizations. Offered: W.

BPOLST 506 Capstone Research (5-) Depending of work experience, participate in an internship or field research in a private, public, or non-profit organization to investigate a policy problem. Conduct primary or secondary research, collecting data, and selecting theoretical perspectives. Represents the first stage of the Capstone project. Offered: A.

BPOLST 508 Capstone Project (5) Based on data collected form their primary or secondary research internship/field research, write a capstone paper which frames project conceptual issues, its research findings, and produces a critical analysis of a policy issue. Represents the second stage of the Capstone project.

BPOLST 520 Policy Internship (2-5, max. 10) Student arranged internship with a local organization or agency that incorporates a "field-based" component into their learning. Includes a policy project that benefits the organization and has academic merit. Prerequisite: BPOLST 500; BPOLST 502. Offered: AWSpS.

BPOLST 571 Policy Ethics (5) Kochis Examines the complex relationships between policy and ethics. These relationships are grounded in moral and political theories about the behavior of state and non-state actors. Offered: AWSp.

BPOLST 576 Education Policy and Politics (5) Covers the historical development of U.S. K-12 education policy, with particular focus on contemporary education policy issues and debates, such as standards, tests, accountability, and school choice. Addresses the process and politics through which education policy is made at the federal, state, and district levels.

BPOLST 581 Issues in Human Rights Policy (5, max. 10) Explores the theories and practices of implementing the international human rights regime as government policy. Students engage in issues of normativity in policy formation and the pathways by which certain norms become domestic and global standards.

BPOLST 582 Issues in Technology Policy (5, max. 10) Explores how science and technology contribute to economic growth and human development, and how political processes shape and manage that impact. Examines historical and contemporary issues.

BPOLST 583 Issues in Environmental Policy (5, max. 10) Analyzes current policy issues in the complex and every changing arena of environmental policy.

BPOLST 584 Issues in Labor and Human Resources (5, max. 10) Jacoby Examines issues in the changing arena of labor and human resource policy.

BPOLST 585 Issues in Health Policy (5, max. 10) Examines relevant current issues in the changing arena of health policy including managed care, public health and safety, and the ethical dimensions of medical research and practice.

BPOLST 586 Issues in Education Policy (5, max. 10) Examines issues in education policy in local and global contexts.

BPOLST 591 Policy Studies Research Colloquium (1-2, max. 6) Policy researchers and
practitioner experts present topics and/or research projects in a variety of policy fields. Discussion regarding the research and its broader implications to theory and/or practice follows the presentation. Credit/no credit only.

BPOLST 592 Topics in Policy Research (3-5, max. 10) Develops advanced technical skills in policy research methods. Topics may include various qualitative and quantitative methods of research.

BPOLST 593 Topics in Policy Studies (3-5, max. 10) Examines the changing arena of policy. Topics are relevant to current issues and may include the following: policy and gender; transportation policy in Puget Sound; policies of aging; and environmental policy.

BPOLST 594 Research Design (5) Dolsak Provides grounding in research designs, such as experimental, longitudinal, cross-sectional, case-study, and action research design. Helps professionals design and evaluate research proposals and be astute consumers of published research. Develops research proposals that can be submitted for institutional review at UW. Offered: Sp.

BPOLST 595 Policy Studies Skills Workshop (1-3, max. 9) Provides the opportunity to develop applied skills commonly required of managers and analysts in the public and non-profit sectors. Workshops emphasize hands-on learning and actual practice.

BPOLST 598 Directed Research (1-5, max. 15) Individual advanced research on policy topics conducted under the direction of one or more instructors.

Nursing Course Descriptions

Health (B HLTH)

B HLTH 397 Current Health Topics (3-5, max. 15) Survey of current issues in human health with analysis of selected topics. The personal, social, political, and economic aspects of health are explored through professional health writing and interdisciplinary literature.

B HLTH 445 Health in a Developing Nation: Study Abroad (5) I&S Abrums, Leppa Provides an overview of the health and health care challenges in a developing and low-income country. Addresses socio-cultural, environmental, economic, political, and ecological factors that influence health, illness, disability, and death as well as responses to health issues both within and outside the health sector. Includes study abroad. Offered: SpS.

B HLTH 451 Family Caregiving Across the Life Span (5) I&S Petry Focuses on family caregiving across the lifespan. Examines issues, problems, and challenges family caregivers face while taking on this role across communities and illnesses. Supports health and social service providers in defining their roles within the context of family caregiving. Offered: A.

B HLTH 455 Women, Culture, and Healing (5) VLPA/I&S Interdisciplinary course explores the inter-connectedness of identity, culture, healing. Addresses how women make meaning in their lives; how they are both shaped by and influence history, culture, and the world. Integrates humanities, social and health sciences to study cultural influences on women’s health and healing.

B HLTH 462 Global and Local Health Inequalities and Interventions (5) I&S Abrums Examines the conditions (political, economic, cultural, historical) that create and sustain disparities in health globally and locally. Critically examines health issues from multiple perspectives, exploring theories and movements of people creating social justice in health within frameworks that are both globally and locally situated. Offered: AWSp.

B HLTH 465 Adolescent Health (5) I&S Resnick Explores growth and development, challenges of adolescence, and how society, through its communities, health agencies and schools and media, identifies and responds to adolescent health care needs. Uses literature and media produced for adolescent and professional,
reflective writing and interviews to examine issues related to promoting adolescent health.

B HLTH 497 Selected Topics in Health (3-5, max. 15) B HLTH 555 Women, Culture, and Healing (5) Interdisciplinary course explores the interconnectedness of identity, culture, healing. Addresses how women make meaning in their lives; how they are both shaped by and influence history, culture, and the world. Integrates humanities, social and health sciences to study cultural influences on women's health and healing.

B HLTH 597 Special Topics in Health (3-5, max. 10)

Nursing

B NURS 340 Clinical Nursing Phenomena (3) Selected clinical phenomena examined from the perspective of physiologic, pathophysiologic, experiential and behavioral responses to life events, and alterations in states of health and illness. Relationship of nursing therapies to each perspective and influence of life span and sociocultural factors are identified.

B NURS 350 Critical Thinking in Nursing (4) Leppa Focuses on critical thinking and effective writing in nursing. Students explore nursing and health care issues, evaluate varied perspectives, and develop a reasoned analysis of current topics.

B NURS 403 Evidence Based Practice and Nursing Inquiry (5) NW/QSR Develops beginning competence in accessing and evaluating scientific knowledge as a base for promoting evidence based practice in nursing care. Examines components of the process of nursing inquiry as a tool to advance nursing knowledge and a tool to promote evidence based practice.

B NURS 407 Cultural and Social Issues in Health Care (5) I&S Analyzes the impact of cultural, social, and global factors on the health of diverse populations. Examines how discrimination, oppression, and privilege relate to health, illness, and healing. Applies self-awareness, knowledge, and skills in planning for and providing non-discriminatory and culturally competent health care.

B NURS 408 Community Health Nursing: Care of Populations in the Community (3) Examination of community health nursing theories and concepts related to the nurse's functions in providing care to populations, families, and individuals within community settings. Explores socio-cultural, political, epidemiological, mental health and economic issues influencing local, national, and international community health problems and health care delivery.

B NURS 409 Partnerships in Community Health (5) I&S Analyzes, applies, and evaluates nursing and other healthcare activities of local, national, and global communities, including health promotion, disease prevention, public health, and social justice efforts. Explores influencing socio-cultural, epidemiological, economic, and political issues. Formulates community level diagnoses and interventions to promote and maintain population self care.

B NURS 410 Legal and Ethical Issues in Clinical Practice (5) Leppa Introduction to the major ethical theories and principles through the use of models for the analysis of representative cases. Analyzes the recurring ethical problems in clinical practice, such as withholding and withdrawing life support, promoting client autonomy, and interprofessional conflicts. Offered: WSp.

B NURS 412 Nursing Care Systems (3) Introduction to analyzing current health-care systems and their effectiveness in achieving desired health outcomes for selected client populations from a system perspective. Emphasizes key features of interface between clients and health-care professionals, and environmental factors and organizational structures that influence the transaction.

B NURS 430 Relational Leadership in Nursing (5) Introduces knowledge and practices that
support the implementation of relational leadership in health care contexts. Content emphasizes strategies that: 1) enhance personal vision and voice; 2) create commitment; 3) include diverse perspectives; 4) solve problems; 5) resolve conflicts; and 6) accomplish goals.

**B NURS 450 Connected Learning (1, max. 7) I&S**
Nursing students participate in a learning community in small groups with a faculty member. Focus is on dialogue, understanding others’ perspectives, building community, and integration of concurrent learning in other courses.

**B NURS 495 Senior Portfolio (1)**
Creation of a portfolio demonstrating the progress made toward individual and program goals. Portfolio contains examples of papers, videotapes, evaluations from faculty, peers and self, and a reflective summary on the learning that has occurred.

**B NURS 497 Selected Topics in Nursing (1-12, max. 12)**

**B NURS 498 Special Project in Nursing (1-12, max. 12)**
Further development, critical examination, and synthesis of nursing care in a specialized setting. Increasing depth of clinical practice, including care to groups and communities as clients, applying leadership skills, assessing problems affecting quality health care delivery, and applying research findings.

**B NURS 499 Undergraduate Research (1-5, max. 12)**
Provides an opportunity to investigate a selected problem and to do an analysis and interpretation of the findings resulting from the investigation under supervision of a faculty member.

**B NURS 501 Philosophical and Theoretical Foundations of Nursing Practice (3)**
Explores the multiple philosophical and theoretical perspectives that guide nursing practice. Analyzes historical and emerging theories of nursing in relationship to a variety of practice settings and health care concerns.

**B NURS 502 Dynamics of Community Health Practice (3/5, max. 5)**

**B NURS 503 Advanced Fieldwork in Community Health Nursing (1-6, max. 12)**
Projects involve scholarly inquiry with in-depth focused analysis, culminating in a written product/report for dissemination. Provides substantive fieldwork experience in student’s setting of interest. Assists students in the delineation of advanced nursing roles and application of theoretical concepts into the real-world context. Prerequisites: B NURS 501, B NURS 527, B NURS 504, B NURS 526, B NURS 520, B NURS 580; B NURS 502 and B NURS 521, which may be taken concurrently.

**B NURS 504 Disparity and Social Justice in Health Care (3)**
Analyzes how social, cultural, economic and political factors relate to the nature, distribution, and meaning of health and illness. Critically examines the concepts of oppression, privilege, and social justice as they relate to health disparities, discrimination in the health care interaction, and inequities in the health care labor force. Offered: W.

**B NURS 507 Advanced Nursing Roles (2)**
Examines the wide variety of roles available to the graduate-level nurse, including various roles in clinical practice and education. Offered: A.

**B NURS 508 Ethics, Aesthetics (3)**
Examines, critiques, and applies theories, models, and methods associated with the fields of ethics and aesthetics in advanced nursing roles.

**B NURS 511 Curriculum Development in Nursing Education (3)**

**B NURS 510 Technology and Pedagogy (3)**
Resnick Develops a teaching philosophy consonant with technology-enhanced learning environments. Evaluates and selects technologies for teaching and learning activities. Develops and applies learning objectives derived from Bloom’s taxonomy. Converts an online or hybrid learning activity from passive to active. Creates an online or hybrid learning activity and an evaluation plan. Offered: S.
B NURS 512 Evaluation of Clinical Performance in Nursing (3) \( < \text{d} > \) B NURS 513 Theories and Methods of Teaching and Learning (3) Addresses theories and methods of teaching and learning, tools and resources, role development, and current issues faced by those who teach in higher education and staff development. Includes practice and evaluation of strategies.

B NURS 520 Scholarly Inquiry for Nursing Practice I (3) Analyzes conceptual, theoretical, and empirical knowledge as a basis for evidence-based practice. Examines methodological approaches to scholarly inquiry and research applied to nursing practice. Evaluates the role of advanced practice nurses in research. Prerequisite: a course in statistics.

B NURS 521 Scholarly Inquiry for Nursing Practice II (3) Builds on scholarly inquiry and research knowledge gained in B NURS 520. Specific foci include measurement, study design, and data collection issues as well as enhancing data analysis and interpretation abilities. Emphasizes application of scholarly inquiry methods in nursing practice. Prerequisite: B NURS 520.

B NURS 525 Leadership for Advanced Nursing Roles (3) Focuses on leadership development in advanced nursing roles in health care delivery, research, and education. Emphasizes the application of critical thinking, systems theory, leadership and change theory with a goal to improve the design and operation of health care and related systems.

B NURS 526 Program Planning and Program Evaluation in Health Service Delivery (3) Analyzes selected theories and methods of program planning and program evaluation in the design, organization, and development of health services for defined populations in the community. Reviews selected theoretical and research models for their use in the conceptualization and development of health programs and services for defined populations.

B NURS 527 Managing Effective Access and Utilization Within Care Systems (3/4, max. 4) In-depth inquiry into health care access and resource utilization patterns among diverse populations, with emphasis on nursing management strategies for establishing effective population-system fit.

B NURS 547 Capstone Teaching Seminar (3-6, max. 10) Altman, Simpson Includes the planning, completion on, analysis, and presentation of a project that reflects a synthesis of coursework completed for the Nurse Educator Tri-Campus Certificate Program. Prerequisite: Core didactic and seminar courses for students in the NET graduate certificate program. Offered: jointly with T NURS 547/NSG 547; Sp.

B NURS 550 Seminar on Professional Issues in Nursing Education (3) Seminar on role and related professional issues in nursing education. Prerequisite: either NSG 545, B NURS 513, or T NURS 513; either NSG 546, B NURS 511, or T NURS 511. Offered: jointly with NSG 550/T NURS 550.

B NURS 578 Health Care and Community (3)

B NURS 580 Populations at Risk in the Community (3) Focuses on health needs and risks of selected populations in the community and theoretical and analytical perspectives on assessment and intervention strategies in community health nursing practice with groups and populations whose health is at risk.

B NURS 597 Selected Topics in Nursing (1-5, max. 15) Course content and credits vary depending upon topic. Offered: AWSpS.

B NURS 598 Special Projects (1-6, max. 12) Scholarly inquiry with in-depth, focused analysis, culminating in a written product/report for dissemination.

B NURS 600 Independent Graduate Project/Research (1-5) Provides graduate nursing students an opportunity to investigate and report on selected nursing problems under the supervision of a graduate faculty member. Credit/no credit only.
Science and Technology Course Descriptions

Biology (B BIO)

B BIO 231 Genes, Genomes and Heredity (5) I&S/NW Servetnick Explores basic concepts of heredity, including DNA structure and function, Mendel's rules of inheritance, and human genetic diseases. Goals include understanding current issues in the field, including genetic screening and testing, DNA fingerprinting and forensic analysis, the genetic basis of cancer, and genetically modified organisms. Recommended: one year of high school biology. Offered: jointly with BISSTS 231.

B BIO 232 Embryos, Genes and Reproductive Technology (5) I&S/NW Servetnick Explores human reproduction, embryonic development, and genetic technology. Explores the increasing use of technology used in reproduction and related issues (e.g. in vitro fertilization, genetic selection of embryos, cloning, stem cells). Recommended: one year of high school biology. Offered: jointly with BISSTS 232.

B BIO 335 Cell Biology (3) NW Explores the biology of the cell, emphasizing molecular approaches to understanding cell structure, function, regulation, and the analysis of experimental design and data interpretation. Prerequisite: BES 200.

B BIO 360 Introduction to Genetics (5) NW Servetnick Explores principles of heredity including gene transmission, classical genetics, mutation, chromosomal mapping, and molecular genetics, including recombinant DNA and DNA analysis. Prerequisite: minimum grade of 1.8 in BES 200.

B BIO 371 Genetics (5) NW Covers gene transmission, including chromosome mapping, genetic pathways; mutational analysis of biological processing emphasizing mutations affecting chromosome transmission. Introduction to genomics: cloning and sequence analysis of whole genomes. Emphasizes formal genetic mechanisms and molecular techniques. For students intending to major in Biology. Prerequisite: minimum grade of 1.5 in BES 200.

B BIO 380 Cell Biology (5) NW Servetnick Studies the biology of the cell, cell structure and organization, and cellular function. Covers membrane systems, information flow within cells, cell recognition, cell signaling and malignancy, emphasizing molecular approaches to the study of cells. Prerequisite: BES 200; recommended: B BIO 371.

Electrical Engineering


B EE 235 Continuous Time Linear Systems (5) Introduction to continuous time signal analysis. Basic signals including impulses, pulses, and unit steps. Periodic signals. Convolution of signals. Fourier series and transforms in discrete and continuous time. Computer laboratory. Prerequisite: either MATH 136, MATH 307, or AMATH 351 any of which may be taken concurrently; either B CUSP 150 or PHYS 122; either CSS 161 or CSE 142, which may be taken concurrently.

B EE 271 Digital Circuits and Systems (5) Overview of digital computer systems. Digital
logic, Boolean algebra, combinational and sequential circuits and logic design, programmable logic devices, and the design and operation of digital computers, including ALU, memory, and I/O. Weekly laboratories. Prerequisite: either CSS 161 or CSE 142.

B EE 331 Devices and Circuits I (5) Physics, characteristics, applications, analysis, and design of circuits using semiconductor diodes and field-effect transistors with an emphasis on large-signal behavior and digital logic circuits. Classroom concepts are reinforced through laboratory experiments and design exercises. Prerequisite: minimum grade of 1.7 in either B EE 233 or E E 233.


B EE 371 The Business of Technology (5) Berger Examines methods for aiding software development, communicating progress to customers/management, and developing marketing strategies for the product. Incorporates social, psychological, and ethical issues. May not be repeated. Offered: jointly with CSS 371.

B EE 422 Hardware and Computer Organization (5) Berger An introduction to the architecture, operation, and organization of a modern computing machine. Topics covered include basic logic operations, state-machines, register models, memory organization, peripherals, and system issues. Assembly language taught in order to understand the instruction set architecture and memory model of the computer. Prerequisite: CSS 162. may no be repeated. Offered: jointly with CSS 422.

B EE 425 Microprocessor System Design (5) Covers the specification, design, construction, turn-on, programming, and debugging of a microprocessor-based computer system for a specific application. Students design and embedded microprocessor system using computer-aided design tools, fabricate their boards, and execute a real application. Prerequisite: minimum grade of 1.8 in B EE 271 and B EE 422.

B EE 427 Introduction to Embedded Systems (5) Berger Introduces the process of specifying and designing embedded systems. Follows the embedded systems development; software and hardware partitioning, processor selection, real-time operating systems, coding in assembly language and C, debugging, and testing. Lab experiments reinforce fundamental concepts using embedded design and debug tools. Prerequisite: CSS 422 or B EE 422 ; may not be repeated. Offered: jointly with CSS 427.

B EE 495 Capstone Project (5) Individual or small-team project that is representative of the solution to an open-minded design problem in electrical engineering. May be undertaken as a part of an industrial internship with direct supervision of the EE faculty and industrial sponsor. Includes aspects of an industrial research and development project development lifecycle. Offered: AWSp.

Science and Technology

BST 200 Introduction to Climate Science (5) I&S/NW Introduces climate science and global climate change. Topics include the scientific method, earth history, global biogeochemical cycles, population and energy consumption, and greenhouse gas emissions; fundamental climate science, energy conservation, alternative energy; climate and the media; and climate policy. Includes service project around issues of energy or climate. Recommended: B CUSP 098 or higher, which may be taken concurrently.

BST 221 Consciousness Studies (5) I&S/NW Noble Introduces the field of consciousness studies. Explores the interaction of mind and
body through scientific studies of dreams, intuition, and intention, and anomalous phenomena. Includes the role of mediation and contemplative practices in physical and psychological well-being. Offered: A.

**BST 307 Introduction to Differential Equations (5) QSR** Introduces ordinary differential equations. Includes first-and second-order equations and Laplace transform. Prerequisite: 2.0 in BCUSP 125.

**BST 322 Exploration of Consciousness (5) I&S/NW Noble** Explores consciousness studies. Investigates the impact of thoughts and emotions on brain functioning, biological plasticity, and psychological development. Topics include mediation and neurosciences, animal consciousness, environmental awareness, and the convergence of science and spirituality. Prerequisite: BST 221. Offered: W.

**BST 323 Psychology and Science of Dreams (5) I&S/NW Noble** Explores the psychology and science of dreams. Topics include the history and theories of dreams, modern experimental studies of dreaming and dream content, lucid dreams, contribution of dreams to scientific creativity, and dream incubation and interpretation techniques. Prerequisite: BST 221. Offered: Sp.

**BST 390 Probability and Statistics in Engineering (5) NW** Covers concepts of probability and statistics; conditional probability, independence, random variable, and distribution functions; descriptive statistics, transformations, sampling errors, confidence intervals, least squares, and maximum likelihood; and exploratory data analysis and interactive computing. Prerequisite: B CUSP 126.

**BST 445 Political Economy of Energy (5) I&S** Covers the theoretical and practical issues in developing public policy to meet demands for efficient, secure, and environmentally sustainable energy. Student evaluate energy technologies in terms of scientific merit, economics, environmental impacts, and political contexts, and propose technologically sound and politically feasible solutions. Recommended: junior standing.

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**University Studies Course Descriptions**

**B ART 121 Introduction to Drawing (5) VLPA** Builds basic drawing skills, develops understanding of primary concepts which relate to drawing and develops an understanding of the grammar or syntax of two-dimensional language. Students move beyond their current knowledge and abilities and link new skills, concepts, and understandings to creative expressing.

**American Sign Language**

**B ASL 101 American Sign Language I (5)** Introduction to American Sign Language using conversational methods. Covers vocabulary, grammatical usage, and culturally appropriate behavior within the deaf community. Offered: A.

**B ASL 102 American Sign Language II (5)** Focuses on building mastery of American Sign Language grammar skills, increasing vocabulary, and gaining a deeper knowledge and appreciation of deaf culture. Prerequisite: ASL 101. Offered: W.

**B ASL 103 American Sign Language III (5)** Focuses on grammatical features such as spatialization, directionality, and non-manual components. Intensive work in vocabulary development and continued study of deaf culture. Prerequisite: AL 102. Offered: Sp.

**Chinese**

**B CHIN 101 First-Year Chinese (5)** Introduction to the standard language. Emphasis on learning correct pronunciation and basic structure. Drill in oral use of the language. Open only to students who do not have any previous training in Chinese.
B CHIN 102 First-Year Chinese (5) Introduction to the standard language. Emphasis on learning correct pronunciation and basic structure. Drill in oral use of the language. Open only to students who do not have any previous training in Chinese. Prerequisite: minimum grade of 2.0 in B CHIN 101.

B CHIN 103 First-Year Chinese (5) Introduction to the standard language. Emphasis on learning correct pronunciation and basic structure. Drill in oral use of the language. Open only to students who do not have any previous training in Chinese. Prerequisite: minimum grade of 2.0 in B CHIN 102.

Center for University Studies and Programs

B CUSP 098 Intermediate Algebra (0) Intermediate algebra equivalent to third semester of high school algebra. Instruction provided by community colleges on UWB campus. Extra fee required.

B CUSP 101 Discovery Core I: Composition (5) C Offers an interdisciplinary approach to composition, including generating a compelling topic; the articulation of a thesis; the development of supporting evidence; the ability to draw conclusions from the evidence, clear organization of the essay, correct mechanics; awareness of audience, and knowledge of resources for research. Co-requisite: either B CUSP 104, B CUSP 107, or B CUSP 110.

B CUSP 104 Discovery Core I: The Arts (5) VLPA Examines an important social issue such as ecology, art, political change, the power of media, educational reform, or the role of science in contemporary culture through interdisciplinary investigation, and the lens of the visual, literary, and performing arts. Co-requisite: either B CUSP 101, B CUSP 107, or B CUSP 110.

B CUSP 107 Discovery Core I: Individuals and Society (5) I&S Through collaborative and interdisciplinary learning, students develop a knowledge base, skills, habits of inquiry, and imaginative vision. Focuses on individuals, society. Co-requisite: either B CUSP 101, B CUSP 104, or B CUSP 110.

B CUSP 110 Discovery Core I: The Natural World (5) NW,QSR Examines an important social issue such as ecology, the role of technology in society, bioethics, or global and local health concerns through interdisciplinary investigation, and the disciplined scientific study of the natural world. Co-requisite: either B CUSP 101, B CUSP 104, or B CUSP 107.

B CUSP 114 Discovery Core II: Composition (5) C Focuses on college level writing and research skills across a range of media. Addresses an important issue through an interdisciplinary perspective and continues to build collaborative, creative, and critical skills.

B CUSP 115 Discovery Core II: Individuals and Society (5) I&S Addresses an important social issue through an interdisciplinary perspective, continues to build creative and critical skills, and focuses on the relationship between the individual and society.

B CUSP 116 Discovery Core II: The Natural World (5) NW,QSR Addresses an important social issue through an interdisciplinary perspective; builds creative and critical skills of writing, analysis, and quantitative reasoning; and explores, through scientific methods, one aspect of the natural world.

B CUSP 117 Discovery Core II: Visual, Literary, and Performing Arts (5, max. 10) VLPA Examines an important social issue such as ecology, art, political change, the power of media, educational reform, or the role of science in contemporary culture through interdisciplinary investigation and the lens of the visual, literary, and performing arts.

B CUSP 118 Discovery Core III: The Portfolio and Experiential Learning in Individuals and Society (5) I&S Evaluates progress at the conclusion of the first year through the construction of a portfolio and offers an experiential learning opportunity, either on- or off-campus. Offered: Sp.
B CUSP 119 Discovery Core III: The Portfolio and Experiential Learning (5) NW Evaluates progress at the conclusion of the first year through the construction of a portfolio and offers an experiential learning opportunity, either on-or off-campus. Offered: Sp.

B CUSP 120 Discovery Core III: The Portfolio and Experiential Learning in Visual, Literary, and Performing Arts (5) VLPA Evaluates progress at the conclusion of the first year through the construction of a portfolio and offers an experiential learning opportunity, either on-or off-campus. Offered: Sp.

B CUSP 121 Algebra (5) Similar to the first three terms of high school algebra. Assumes no previous experience in algebra. Open only to students admitted with an entrance deficiency in mathematics. Offered: AWSp.

B CUSP 122 Introduction to Elementary Functions (5) Continues the study of algebra begun in 100 and 102 with emphasis on functions (polynomial, rational, logarithmic, exponential, and trigonometric). Open only to students who have completed 102. Offered: AWSp.

B CUSP 123 Functions, Models, and Quantitative Reasoning (5) NW,QSR Explores the concept of a mathematical function and its applications. Explores real world examples and problems to enable students to create mathematical models that help them understand the world in which they live. Each idea will be represented symbolically, numerically, graphically, and verbally. Prerequisite: sufficient score on UWB Math Assessment.

B CUSP 124 Calculus I: Origins and Early Developments (5) NW,QSR Develops modern calculus by investigating the questions, problems, and ideas that motivated its discovery and practice. Studies the real number system and functions defined on it, focusing on limits, area and tangent calculations, properties and applications of the derivative, and the notion of continuity. Emphasizes problem-solving and mathematical thinking. Prerequisite: minimum grade of 2.0 in B CUSP 123 or equivalent, or sufficient score on UWB Math Assessment.

B CUSP 125 Calculus II: Foundations and the Emergence of Modern Analysis (5) NW,QSR Focuses on the historical emergence of modern calculus, the Fundamental Theorem, area, volume, and area length calculations, properties and applications of the integral, infinite series, Taylor and Fourier expansions, and the Weierstrass definition of limit. Emphasizes problem-solving and mathematical thinking. Prerequisite: minimum grade of 2.0 in B CUSP 124, score of 3 on AP MAB or AP MBC exams.
B CUSP 126 Calculus with Analytic Geometry III (5) NW  
Third quarter in calculus sequence. Introduction to Taylor polynomials and Taylor series, vector geometry in three dimensions, introduction to multivariable differential calculus, double integrals in Cartesian and polar coordinates. Prerequisite: either 2.0 in MATH 125, 2.0 in MATH 145, 2.0 in MATH 146, 2.0 in B CUSP 125, score of 5 on AB advanced placement test, or score of 4 on BC advanced placement test. Offered: AWSpS.

B CUSP 130 Mathematics: A Practical Art (5) NW, QSR  
For students who have at least 1.5 years of high school algebra and do not plan to take additional mathematics. The exponential function; how it applies to a wide variety of phenomena. Elementary probability and statistics; their use in a variety of applications. Offered: AWSp.

B CUSP 131 Special Topics in First-Year Learning (1-5, max. 10)  
Various topics designed to respond to curricular interests and needs for first-year students.

B CUSP 132 Portfolio Assessment (2)  
Evaluates the progress of students toward the lower division learning goals at the completion the Freshman year through self-reflection, peer-review, and faculty assessment.

B CUSP 133 Freshman Interest Group (3)  
Provides a range of educational experiences that are able to move both within and beyond the traditional classroom. Experiences include options such as participation in undergraduate research, community engagement, and on-campus groups organized around themes of common interest.

B CUSP 134 Interdisciplinary Writing (5) C  
Offers an interdisciplinary approach to composition, including generating a compelling topic; the articulation of a thesis; the development of supporting evidence; the ability to draw conclusions from the evidence; clear organization of the essay, correct mechanics; awareness of audience, and knowledge of resources for research.

B CUSP 135 Research Writing (5) C  
Strengthens performance of college-level argumentative writing and scholarly research, critical reading and thinking, and the critique and the creation of print and new media texts. Prerequisite: either B CUSP 101, B CUSP 114, or B CUSP 134.

B CUSP 140 Scientific Journeys (5) NW, QSR  
Offers introductory practice in laboratory and quantitative techniques, a history of one or more of the sciences and reflection on the relationship between science and its function in the larger society.

B CUSP 142 General Chemistry (5) NW, QSR  
For science and engineering majors. Atomic nature of matter, stoichiometry, periodic table, quantum concepts, and gas laws. Includes laboratory. Recommended: high school chemistry and placement into B CUSP 123 or higher.

B CUSP 143 General Physics (4) NW, QSR  
Basic principles of physics presented without use of calculus. Suitable for students majoring in technically oriented fields other than engineering or the physical sciences. Mechanics. Recommended: working knowledge of algebra and trigonometry; one year high school physics; concurrent registration in B CUSP 146.

B CUSP 144 General Physics (4) NW, QSR  
Basic principles of physics presented without use of calculus. Suitable for students majoring in technically oriented fields other than engineering or the physical sciences. Heat and electromagnetism. Prerequisite: B CUSP 143; recommended: concurrent registration in B CUSP 147.

B CUSP 145 General Physics (4) NW, QSR  
Basic principles of physics presented without use of calculus. Suitable for students majoring in technically oriented fields other than engineering or the physical sciences. Sound, light, and modern physics. Prerequisite: B CUSP 144; recommended: concurrent registration in B CUSP 148.
B CUSP 146 General Physics Laboratory (1) NW  
Mechanics laboratory. Credit/no credit only.  
Prerequisite: B CUSP 143 which may be taken concurrently.

B CUSP 147 General Physics Laboratory (1) NW  
Heat and electromagnetism laboratory. Credit/no credit only.  
Prerequisite: B CUSP 144 which may be taken concurrently.

B CUSP 148 General Physics Laboratory (1) NW  
Sound, light, and modern physics laboratory. Credit/no credit only.  
Prerequisite: B CUSP 145 which may be taken concurrently.

B CUSP 149 Mechanics (5) NW, QSR Basic principles of mechanics and experiments in mechanics for physical science and engineering majors. Lecture tutorial and lab components must all be taken to receive credit. Credit is not given for B CUSP 143 and B CUSP 149. Prerequisite: B CUSP 124, which may be taken concurrently; recommended: one year high school physics.

B CUSP 150 Electromagnetism and Oscillatory Motion (5) NW Basic principles of electromagnetism, the mechanics of oscillatory motion, and experiments in these topics for physical science and engineering majors. Lecture tutorial and lab components must all be taken to receive credit. Credit is not given for both B CUSP 144 and B CUSP 150. Prerequisite: B CUSP 125, which may be taken concurrently; B CUSP 149.

B CUSP 151 Waves (5) NW Electromagnetic waves, optics, waves in matter, and experiments in these topics for physical science and engineering majors. Lecture tutorial and lab components must all be taken to receive credit. Credit is not given for both B CUSP 145 and B CUSP 151. Prerequisite: B CUSP 150.

B CUSP 152 General Chemistry (5) NW Energy, enthalpy and thermochemistry, spontaneity, entropy and free energy, electrochemistry, quantum mechanics and atomic theory, general concepts of bonding. Includes laboratory. Prerequisite: 1.7 in B CUSP 142.

B CUSP 162 General Chemistry (5) NW  Covalent bonding, chemical kinetics, liquids and solids, properties of solutions, the elements in groups 1A-4A, the elements in groups 5A-8A, transition metals and coordination chemistry, and organic chemistry. Includes laboratory. Prerequisite: 1.7 in B CUSP 152.

B CUSP 170 Introduction to Psychology (5) I&S Surveys major areas of psychological science. Core topics include human social behavior, personality, psychological disorders and treatment, learning, memory, human development, biological influences, and research methods. Related topics may include sensation, perception, states of consciousness, thinking, intelligence, language, motivation, emotion, stress and health, cross-cultural psychology, and applied psychology.

B CUSP 175 Introduction to American Government (5) I&S Examines the major institutions and processes of American government, including civil liberties and rights, federalism, Congress, the presidency, the judiciary, executive branch, political parties and elections, interest groups, and civic engagement.

B CUSP 176 Introduction to Global Economy (5) I&S,QSR Provides intellectual frameworks for common concerns about globalization, competition, trade, transnational corporations, migration, and other contemporary questions. Emphasizes mastery of relevant data and the ability to connect data to analysis and argument.

B CUSP 187 Introduction to Literary Analysis (5) VLPA Goldberg, Goldstein, Kochhar-Lindgren, Watts Examines how literary texts create meaning and emotion. Identifies literary elements and explains their use within formal structures in order to appreciate the pleasures and complexities of literary expression, and their usefulness in other arenas. Instructors may focus on specific genres or topics.
B CUSP 188 Topics in Asian Cultures (5)
VLPA/I&S Goldberg, Goldstein, Kochhar-Lindren, Watts Introduces the traditional arts, cultures, and history of countries of Asia. Emphasizes the interaction between culture and geography, politics, economies, and social structures that shape, and are shaped by cultural processes and products. Specific countries varies with the instructor and quarter offered.

B CUSP 189 Myth, Ritual, and Culture (5)
VLPA/I&S Introduces the concepts of ritual, myth, symbols, and the construction of meaning in fields such as psychology, anthropology, performance studies, theater, and religions studies, focusing on the formation of rituals and their functions in different social contexts.

B CUSP 190 Contemporary Literature (5) VLPA
Critically engages with contemporary fiction, poetry, drama, cross-genre writing, or new media texts to investigate questions such as methods of interpretation, cultural identity, historiography, gender formations, or political analysis.

B CUSP 191 Art and Public Spaces (5) VLPA
Examines works from across the arts: painting, writing, film, architecture, theater, new media. Explores their relationship to public spaces such as museums, site-specific structures, galleries, and exhibitions, as well as the history of their public reception. Includes site visits.

B CUSP 192 Cross-Cultural Philosophies and Religions (5) I&S A cross cultural examination of philosophical and religious perspectives on basic questions of human life such as meaning, reality, knowledge, and action, with the aim of developing a sense of the rich complexity of varying cultural and interpretive traditions.

B CUSP 193 Introduction to Philosophy (5) I&S
Major philosophical questions relating to such matters as the existence of God, the foundations of knowledge, the nature of reality, and the nature of morality. Approach may be either historical or topical.

B CUSP 197 Studio Arts: Dance, Theater, Music, and InterArts Performance (2, max. 6) VLPA
Develops skills in a variety of studio arts in order to enhance student ability as a performer, arts creator, educator, or in applied areas of creativity.

B CUSP 200 Introduction to Microeconomics (5) I&S, QSR Analysis of markets: consumer demand, production, exchange, the price system, resource allocation, government intervention. Recommended: B CUSP 123.

B CUSP 201 Introduction to Macroeconomics (5) I&S, QSR Analysis of the aggregate economy: national income, inflation, business fluctuations, unemployment, monetary system, federal budget, international trade and finance. Prerequisite: B CUSP 200; recommended: B CUSP 123.

B CUSP 202 Introduction to Law (5) I&S
Introduction to the structure of the legal system. Covers how the United States legal system reflects and forms social values; resolves disputes; deals with criminal procedures; addresses torts and contracts; and examines the functioning of the Constitution.

B CUSP 203 Undergraduate Peer Instructor Practicum (1-3, max. 12) Provides instruction in group leadership and promotion of values and methods of learning within a university setting. For Peer Instructors. Credit/no credit only. Offered: AWSpS.

B CUSP 204 Learning Strategies: Navigating the University (2, max. 10) Provides students with active learning strategies and exploration of university resources to help them become master learners. Includes interactive work on building collaborative, creative, and analytic skills, as well as reflection on personal, academic, and career goals. Offered: AWSpS.

B CUSP 205 Invention, Innovation, and Entrepreneurs (2-5) I&S Offers an exploratory workshop on generating and refining new ideas, both individually and
collaboratively, in areas such as business, the arts, and community projects.

B CUSP 237 Organic Chemistry (4) NW  First course for students planning to take three quarters of organic chemistry. Structure, nomenclature, reactions, and synthesis of the main types of organic compounds. No organic laboratory accompanies this course. Prerequisite: minimum grade of 1.7 in B CUSP 162.

B CUSP 238 Organic Chemistry (4) NW  Second course for students planning to take three quarters of organic chemistry. Further discussion of physical properties and transformations of organic molecules, especially aromatic and carbonyl compounds. Prerequisite: minimum grade of 1.7 in B CUSP 237.

B CUSP 239 Organic Chemistry (3) NW  Third course for students planning to take three quarters of organic chemistry. Polymolecular compounds and natural products, lipids, carbohydrates, amino acids, proteins, and nucleic acids. Includes introduction to membranes, enzyme mechanisms, prosthetic groups, macromolecular conformation and supramolecular architecture. Prerequisite: minimum grade of 1.7 in B CUSP 238.

B CUSP 241 Organic Chemistry Laboratory (3) NW  Introduction to organic laboratory techniques. Preparation of representative compounds. Designed to be taken with B CUSP 238. Prerequisite: minimum grade of 1.7 in B CUSP 162; minimum grade of 1.7 in B CUSP 238, which may be taken concurrently.

B CUSP 242 Organic Chemistry Laboratory (3) NW  Preparations and qualitative organic analysis. Designed to be taken with B CUSP 239. Prerequisite: minimum grade of 1.7 in B CUSP 238; minimum grade of 1.7 in B CUSP 239, which may be taken concurrently.

French

BFRNCH 101 Elementary (5)  Methods and objectives are primarily oral-aural. Oral practice in the language laboratory is required. Prerequisite: score of 0-14 on FR TL placement test if French is language of admission.

BFRNCH 102 Elementary (5)  Methods and objectives are primarily oral-aural. Oral practice in the language laboratory is required. Prerequisite: either BFRNCH 101 or score of 15-30 on FR TL placement test.

BFRNCH 103 Elementary (5)  Methods and objectives are primarily oral-aural. Oral practice in the language laboratory is required. Prerequisite: either BFRNCH 102, FRENCH 110, or score of 31-56 on FR TL placement test.

Japanese

BJAPAN 111 First-Year Japanese (0/5, max. 5) Elementary speaking, listening, reading, and writing skills in modern Japanese. Recommended: score of 0-5 on JP 100A placement test if Japanese is language of admission.

BJAPAN 112 First-Year Japanese (0/5, max. 5) Elementary speaking, listening, reading, and writing skills in modern Japanese. Prerequisite: either BJAPAN 111 or score of 6-20 on JP 100A placement test.

BJAPAN 113 First-Year Japanese (0/5, max. 5) Elementary speaking, listening, reading, and writing skills in modern Japanese. Prerequisite: either BJAPAN 112 or score of 21-40 on JP 100A placement test.

BJAPAN 211 Second-Year Japanese (0/5) VLPA Development of further skills in the spoken and written languages. Students must enroll in both a lecture and quiz section to receive credit. Prerequisite: BJAPAN 113.

BJAPAN 212 Second-Year Japanese (0/5) VLPA Development of further skills in the spoken and written languages. Students must enroll in both a lecture and quiz section to receive credit. Prerequisite: BJAPAN 211.
BJAPAN 213 Second-Year Japanese (0/5) VLPA
Development of further skills in the spoken and written languages. Students must enroll in both a lecture and quiz section to receive credit. Prerequisite: BJAPAN 212.

Spanish

B SPAN 101 Elementary (5) Methods and objectives are primarily oral-aural. Language laboratory is required.

B SPAN 102 Elementary (5) Methods and objectives are primarily oral-aural. Language laboratory is required. Prerequisite: either B SPAN 101 or score of 16-44 on SP100A placement test.

B SPAN 103 Elementary (5) Methods and objectives are primarily oral-aural. Language laboratory is required. Prerequisite: either B SPAN 102 or score of 45-69 on SP100A placement test.

B SPAN 201 Intermediate (5) VLPA Intensive practice in speaking, reading, and writing. Review of Spanish grammar. Oral practice based on literary and cultural readings. Prerequisite: either B SPAN 103, score of 70-100 on SP100A placement test, minimum score of 51 on SP TL placement test, or score of 0-75 on SP200A placement test.

B SPAN 202 Intermediate (5) VLPA Intensive practice in speaking, reading, and writing. Review of Spanish grammar. Oral practice based on literary and cultural readings. Prerequisite: either BSPAN 201 or score of 76-145 on SP200A placement test.


Science and Technology

B BIO 231 Genes, Genomes and Heredity (5) I&S/NW Servetnick Explores basic concepts of heredity, including DNA structure and function, Mendel's rules of inheritance, and human genetic diseases. Goals include understanding current issues in the field, including genetic screening and testing, DNA fingerprinting and forensic analysis, the genetic basis of cancer, and genetically modified organisms. Recommended: one year of high school biology. Offered: jointly with BISSTS 231.

B BIO 232 Embryos, Genes and Reproductive Technology (5) I&S/NW Servetnick Explores human reproduction, embryonic development, and genetic technology. Explores the increasing use of technology used in reproduction and related issues (e.g. in vitro fertilization, genetic selection of embryos, cloning, stem cells). Recommended: one year of high school biology. Offered: jointly with BISSTS 232.

B BIO 335 Cell Biology (3) NW Explores the biology of the cell, emphasizing molecular approaches to understanding cell structure, function, regulation, and the analysis of experimental design and data interpretation. Prerequisite: BES 200.

B BIO 360 Introduction to Genetics (5) NW Servetnick Explores principles of heredity including gene transmission, classical genetics, mutation, chromosomal mapping, and molecular genetics, including recombinant DNA and DNA analysis. Prerequisite: minimum grade of 1.8 in BES 200.

B BIO 371 Genetics (5) NW Covers gene transmission, including chromosome mapping, genetic pathways; mutational analysis of biological processing emphasizing mutations affecting chromosome transmission. Introduction to genomics: cloning and sequence analysis of whole genomes. Emphasizes formal genetic mechanisms and molecular techniques. For students intending to major in Biology. Prerequisite: minimum grade of 1.5 in BES 200.
B BIO 380 Cell Biology (5) NW Servetnick Studies the biology of the cell, cell structure and organization, and cellular function. Covers membrane systems, information flow within cells, cell recognition, cell signaling, and malignancy, emphasizing molecular approaches to the study of cells. Prerequisite: BES 200; recommended: B BIO 371.

Electrical Engineering


B EE 235 Continuous Time Linear Systems (5) Introduction to continuous time signal analysis. Basic signals including impulses, pulses, and unit steps. Periodic signals. Convolution of signals. Fourier series and transforms in discrete and continuous time. Computer laboratory. Prerequisite: either MATH 136, MATH 307, or AMATH 351 any of which may be taken concurrently; either B CUSP 150 or PHYS 122; either CSS 161 or CSE 142, which may be taken concurrently.

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Prerequisite: minimum grade of 1.8 in B EE 271 and B EE 422.

B EE 427 Introduction to Embedded Systems (5)
Berger Introduces the process of specifying and designing embedded systems. Follows the embedded systems development; software and hardware partitioning, processor selection, real-time operating systems, coding in assembly language and C, debugging, and testing. Lab experiments reinforce fundamental concepts using embedded design and debug tools. Prerequisite: CSS 422 or B EE 422; may not be repeated. Offered: jointly with CSS 427.

B EE 495 Capstone Project (5) Individual or small-team project that is representative of the solution to an open-minded design problem in electrical engineering. May be undertaken as a part of an industrial internship with direct supervision of the EE faculty and industrial sponsor. Includes aspects of an industrial research and development project development lifecycle. Offered: AWSp.

Science and Technology

BST 293 Special Topics (5, max. 15) Examines different subjects or problems from an interdisciplinary framework.

BST 200 Introduction to Climate Science (5)
I&S/NW Introduces climate science and global climate change. Topics include the scientific method, earth history, global biogeochemical cycles, population and energy consumption, and greenhouse gas emissions; fundamental climate science, energy conservation, alternative energy; climate and the media; and climate policy. Includes service project around issues of energy or climate. Recommended: B CUSP 098 or higher, which may be taken concurrently.

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BST 323 Psychology and Science of Dreams (5) I&S/NW Noble Explores the psychology and science of dreams. Topics include the history and theories of dreams, modern experimental studies of dreaming and dream content, lucid dreams, contribution of dreams to scientific creativity, and dream incubation and interpretation techniques. Prerequisite: BST 221. Offered: Sp.

BST 390 Probability and Statistics in Engineering (5) NW Covers concepts of probability and statistics; conditional probability, independence, random variable, and distribution functions; descriptive statistics, transformations, sampling errors, confidence intervals, least squares, and maximum likelihood; and exploratory data analysis and interactive computing. Prerequisite: B CUSP 126.

BST 445 Political Economy of Energy (5) I&S Covers the theoretical and practical issues in developing public policy to meet demands for efficient, secure, and environmentally sustainable energy. Student evaluate energy technologies in terms of scientific merit, economics, environmental impacts, and political contexts, and propose technologically sound and politically feasible solutions. Recommended: junior standing.
XI. Administration

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University of Washington Bothell Administration

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- Warren Buck - Director, Science & Technology
University of Washington Seattle Administration

The University of Washington is governed by the Board of Regents, a 10 member body appointed by the Governor of the State of Washington. President Mark A. Emmert leads the administration of the university, and the Office of the Executive Vice President manages the University of Washington’s fiscal affairs. Provost Phyllis M. Wise serves as the chief academic and budgetary officer for the university.

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Kelli Trosvig, Interim Vice President for UW Information Technology
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XII. Academic Calendar

The academic calendars obtain important dates regarding registration, adding & dropping classes, fee deadlines and more. Online calendars can be found at: http://www.uwb.edu.

XIII. Mission & Goals

Our Mission

The University of Washington Bothell holds the student-faculty relationship to be paramount. We provide access to excellence in higher education through innovative and creative curricula, interdisciplinary teaching and research, and a dynamic community of multicultural learning.

Our Goals

The University of Washington Bothell is committed to achieving its goals and promotes the on-going review of our outcomes, organizational structures, and processes that support its mission and goals.

- Serve college age and established adult students, as well as the community at large, by providing access to a premier institution of higher education.
- Emphasize and develop critical thinking, writing, and information literacy, in order to graduate students with life-long learning skills.
- Actively recruit and support outstanding faculty scholars with a passion for communication.
- Build an inclusive and supportive community of learning and incorporate multicultural content and diverse perspectives on ethnic and racial groups, gender, sexual orientation, social class, and special needs.
- Encourage and support collaborative, interdisciplinary, and cross-program initiatives.
- Provide quality curricula by making use of the best of educational technology in support of teaching and learning.
- Attract and support an internationally diverse student body and a nationally recognized faculty and staff.
- Create and support excellence in student affairs, academic services, such as library, writing center, computing services, and physical facilities.
- Foster productive relationships with the employment community and promote a strong public service commitment.
XIV. Campus Map & Directions

Campus Map

Bus Directions
Choose from 11 bus routes that serve the UW Bothell Campus daily.
Routes Provides by:
- Sound Transit
- Metro Transit
- Community Transit

Driving Directions
From NORTH via I-5/I-405:
- Take I-405 south from I-5 at Lynnwood.
- Continue south on I-405 to Exit 24.
- At the top of the exit take a RIGHT turn onto Beardslee Blvd.
- NE and proceed 1/8 mile to the large UW Bothell/Cascadia CC sign.
- Turn LEFT onto 110th Avenue NE and proceed to stop sign.
- Continue straight ahead following signage to UW Bothell South Parking Garage.

From SOUTH or EAST via I-405:
- Take I-405 north to Exit 24.
• At the exit turn LEFT onto Beardslee Blvd/195th NE and proceed 1/8 mile to the large UW Bothell/Cascadia CC sign.
• Turn LEFT onto 110th Avenue NE and proceed to stop sign.
• Continue straight ahead following signage to UW Bothell South Parking Garage.

From EAST via SR 522 Monroe/Woodinville:
• Take SR 522 WEST towards Bothell/Seattle.
• Stay in RIGHT lane after passing campus on RIGHT.
• Just before the first stop light go RIGHT up hill.
• At stop sign turn RIGHT onto Beardslee Boulevard.
• And proceed 7/10 mile to the light (will see large UW Bothell/Cascadia CC sign).
• Turn RIGHT at the light onto 110th Avenue NE, and proceed to stop sign.
• Continue straight ahead following signage to UW Bothell South Parking Garage.

From UW Seattle:
(Approximately 30-minute drive time from UW Seattle campus - average traffic conditions-via all routes listed below.)

Via I-5 North and I-405:
• Take I-5 North to I-405 interchange at Lynnwood.
• Follow directions listed above from North I-405.

Via SR 522/Floating Bridge and I-405 North:
• Take Montlake Boulevard.
• Go south, crossing University Bridge, to SR 520 East ramp toward Bellevue/Kirkland.
• Take the I-405 North exit toward Everett.
• Follow South/East I-405 directions above.

Via SR 522/Lake City/Bothell Way NE:
• Take Montlake Boulevard north.
• Montlake Boulevard becomes 25th Avenue NE.
• Continue north on 25th Avenue NE and merge onto Lake City Way NE (SR 522).
• Continue north on Lake City Way - it becomes Bothell Way past 145 Street NE.
• Follow the center lane - Main Street - at Bothell interchange and proceed through Bothell.
• Main Street becomes Beardslee Boulevard.
• Proceed 7/10 mile to the light (will see large UW Bothell/Cascadia CC sign).
• Turn RIGHT at the light onto 110th Avenue NE, and proceed to stop sign.
• Continue straight ahead following signage to UW Bothell South Parking Garage.