

Bachelor of Arts in Applied Computing

Degree Map & Planning Information

Admissions Information

The Applied Computing major is currently a “capacity constrained” program with a limit on the number of students admitted, so meeting the minimum entry requirements does not guarantee admission.

If you meet the minimum admissions requirements, then your application will be reviewed by a committee of Computing & Software Systems department faculty. The committee uses a holistic approach when reviewing applications, evaluating each on its individual merit and making decisions on a case-by-case basis. Our goal is to admit students who will benefit from the program, contribute to our community of learning, and move on to make positive impacts after graduation.

To be considered/reviewed for admission, the complete courses below with a minimum grade of 2.0 or higher in all courses. No in-progress prerequisites, unless it is for the regular Autumn Admission in which the pre-requisite grade will be completed at the end of Spring Quarter. The program admits students in the Autumn, Winter and Spring quarters.

University of Washington-Bothell Prerequisite Courses:

- English Composition I and II (B Writ 134 & B Writ 135)
- Calculus 1 (ST Math 124)
- Computer Programming I and II (CSS 142/CSSKL 142 & CSS 143/CSSKL 143 or CSS 132 & CSS 133)

Curriculum Information

General Education

To be eligible for graduation from the University, with the baccalaureate degree, a student must complete 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 (A minimum grade of 2.0 is required)

Additional Writing – 10 credits

Reasoning (RSN) – 5 credits

Natural Sciences (NSc) – 15 credits

Arts and Humanities (A&H) – 15 credits

Social Sciences (SSc) – 15 credits

Diversity – 5 credits (can overlap with General Education requirements above)

Major Requirements

For the Applied Computing major, students must complete the following courses with the following grades (where indicated):

- CSS 301 Technical Writing for Computing Professionals
- CSS 340 Applied Algorithms or CSS 342 Data Structure and Algorithms I
- CSS 350 Management Principles for Computing Professionals
- CSS 360 Software Engineering
- CSS 421 Introduction to Hardware Architecture and Operating Systems
- CSS 496 Applied Computing Capstone

CSS Electives (25 credits)

A maximum of 10 credits is allowed at the 200 level, and a minimum of 10 credits must be at the 400 level. A maximum of 10 credits of combined CSS 290, 390, and 490 (Special Topics), and a maximum of 15 credits of combined CSS 397, 495, 498, and 499 are allowed towards the CSS Elective requirement.

Minor/Concentration 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.

Upper-Level Electives (10 credits)

Upper-level electives of any discipline. Must be at the 300 or 400 level.

Graduation Requirements:

- Completion of 180 or more total credits including the above stated requirements, with a cumulative GPA of 2.0 or higher
- Students must earn a grade of 2.0 in all required courses (please note that some courses may require a higher prerequisite GPA)
- Completion of the last 45 credits at UW Bothell
- Completion of all University of Washington Bothell graduation requirements

Sample 4-year Course Plan

Year 1

Autumn	Winter	Spring	Summer
B WRIT 134 (5)	B WRIT 135 (5)	General elective	
B CORE (5-A&H or SSc)	A&H or SSc (5)	CSS 143/CSSKL 143	
ST Math 124	CSS 142/CSSKL 142	A&H or SSc (5)	

Year 2

Autumn	Winter	Spring	Summer
CSS 340 or CSS 342	CSS 421	CSS 360	
CSS 301	CSS 350	CSS elective	
2 nd Discipline	2 nd Discipline	2 nd Discipline	

Year 3

Autumn	Winter	Spring	Summer
CSS elective	CSS elective	CSS Elective	
2 nd Discipline	2 nd Discipline	CSS Elective	
A&H or SSc (5)	A&H or SSc (5)	A&H or SSc (5)	

Year 4

Autumn	Winter	Spring	Summer
Upper-level General elective	Upper-level General elective	CSS 496	
STATS (5)	General elective	Upper-level General elective	
General elective	General elective	General elective	

This is a sample schedule of courses based on degree requirements. The actual degree plan may differ depending on the course of study selected, the number of starting credits, or the starting admission point. This guide is not a substitute for academic advising. For more information, contact your academic advisor or visit www.uwb.edu/advising.