

Chemistry (B.A.)



UNIVERSITY of WASHINGTON | BOTHELL
SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

[Website](#)

- This is a suggested schedule of courses based on degree requirements. Actual degree plan may differ depending on course of study selected, number of starting credits, or starting admission point. Please track your degree audit.
- This guide is not a substitute for academic advising or degree audit review (degree audit lists all requirements for degree completion). Contact your academic advisor with questions about scheduling, unique interests, or degree requirements.
- Most Chemistry applicants are admitted. Admission is guaranteed if you have a minimum grade of 2.0 in all prerequisite courses.

Y e a r 1	Autumn	Winter	Spring
	◇ STMATH 124: Calculus I	◇ STMATH 125: Calculus II	◇ STMATH 126: Calculus III
	◇ BCHEM 143+144: Gen Chem I + Lab	◇ BCHEM 153+154: Gen Chem II + Lab	◇ BCHEM 163+164: Genl Chem III + Lab
	General Education Course	General Education Course	General Education Course
<i>General Chemistry III (BCHEM 163 + 164) is a prerequisite for Organic Chemistry I (BCHEM 237). Calculus I and II (STMATH 124 and 125) are prerequisites for Calculus-based Physics I and II (BPHYS 121 and 122), respectively.</i>			
Y e a r 2	Autumn	Winter	Spring
	✓ B PHYS 121: Mechanics	✓ B PHYS 122: Electromagnetism	✓ B PHYS 123: Waves
	✓ BCHEM 237: Organic Chem I (no lab)	✓ BCHEM 238: Organic Chem II	✓ BCHEM 239: Organic Chem III
	General Education Course	✓ BCHEM 241: Organic Chemistry Lab 1	✓ BCHEM 242: Organic Chemistry Lab 2
	—	General Education Course	General Education Course
<i>Organic Chemistry III and its lab (BCHEM 239 + 242) are prerequisites for most 300- and 400-level BCHEM coursework. Calculus-based Physics III and Upper Division math are prerequisites for the Physical Chemistry sequence in senior year.</i>			
Y e a r 3	Autumn	Winter	Spring
	✓ BCHEM 316: Quantitative Analysis	BCHEM 312: Inorganic Chemistry I	BCHEM 495: Investigative Chemistry
	BCHEM 317: Quantitative Analysis Lab	BCHEM 294: Chemistry Seminar	STMATH 207, 298, 224, or 341: Advanced Math Course
	General Education Course	General Education Course	General Elective (100+ level)
	General Elective (100+ level)	General Elective (100+ level)	—
Y e a r 4	Autumn	Winter	Spring
	✓ BCHEM 401: Physical Chemistry I	BCHEM 402: Physical Chemistry II	Upper Division Chem Elective (300+ level)
	General Elective (100+ level)	BCHEM 497: Appr. in Chem Education	General Education Course
	General Elective (100+ level)	Upper Division Chem Elective (300+ level)	General Elective (100+ level)

◇ **Prerequisite: Must be completed prior to applying for a major.**

✓ Milestones: Courses and special requirements necessary to timely progress through and complete a major.

❖ May be fulfilled with Discovery Core if Discovery Core is Arts and Humanities (A&H)

All classes are 5 credits unless followed by a parenthesis with a number, indicating the number of credits.

Refer to the time schedule for up to date course offerings; including quarters, days and times

This Map is a suggested sequence of the current curriculum which may be altered to carry out the academic objectives of the University. The University specifically reserves the right to change the student's current map at any time within the student's period of study.

Last updated: 7/18/2024