

Biochemistry



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

[Website](#)

- This is a suggested 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. Please track your degree audit.
- This guide is not a substitute for academic advising or degree audit review ([degree audit states 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: Gen Chem III + Lab
	General Education Course	General Education Course	General Education Course

Calculus I and II (STMATH 124 and 125) are prerequisites for Calculus-based Physics I and II (BPHYS 121 and 122), respectively. General Chemistry III (BCHEM 163 + 164) is a prerequisite for Organic Chemistry I (BCHEM 237).

Y e a r 2	Autumn	Winter	Spring
	✓ BPHYS 121: Mechanics	✓ BPHYS 122: Electromagnetism	✓ BPHYS 123: Waves
	✓ BCHEM 237: Organic Chem I (no lab)	✓ BCHEM 238: Organic Chemistry II	✓ BCHEM 239: Organic Chemistry III
	General Education Course	✓ BCHEM 241: Organic Chemistry Lab 1	✓ BCHEM 242: Organic Chemistry Lab 2
	—	General Education Course	General Education Course

Organic Chemistry III and its lab (BCHEM 239 + 242) are prerequisites for most 300- and 400-level BCHEM coursework. Calculus-based or algebra-based Physics III and Upper Division math are prerequisites for the Physical Chemistry sequence in junior year.

Y e a r 3	Autumn	Winter	Spring
	BBIO 180: Intro Biology I	BBIO 200: Intro Biology II	(Optional) BBIO 220: Intro Biology III
	✓ BCHEM 316: Quantitative Analysis	BCHEM 294: Chemistry Seminar	BCHEM 495: Investigative Chemistry
	BCHEM 317: Quantitative Analysis Lab	BCHEM 426: Instrumental Analysis	STMATH 207, 298, 224, or 341: Advanced Math Course
	General Education Course	General Education Course	—

Y e a r 4	Autumn	Winter	Spring
	✓ BCHEM 364: Biochemistry I	BCHEM 365: Biochemistry II	BCHEM 375: Molecular Biology
	BCHEM 366: Biochemistry Lab	BCHEM 402: Physical Chemistry II	BCHEM 404: Physical Chemistry Lab
	✓ BCHEM 401: Physical Chemistry I	Upper Division Chem Elective (300+ level)	General Education Course

Intro Biology III (BBIO 220) is OPTIONAL (not required for the degree, but may be required for graduate programs).

◊ **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: 6/7/2023