

Bachelor of Science in Biology

Degree Map & Planning Information

Admissions Information

This program is a declarable major. If you meet the minimum requirements listed below, you may submit a major declaration form through the Biology Admissions webpage on the School of STEM website.

Minimum requirements for current UW Bothell students:

- To be considered for admission, complete the courses below with a minimum grade of 2.0 or higher in each Intro Biology course and a 2.0 or higher combined average for the General Chemistry courses. The grades must be recorded on your unofficial or official transcript(s).
 - One-year Introductory Biology series (3 quarters or 2 semesters) must cover content equivalent to UW Bothell's BBIO 180, 200, 220 series.
 - One-year General Chemistry series (3 quarters or 2 semesters) must cover content equivalent to UW Bothell's BCHEM 143+144, 153+154, 163+164 series.

In-progress prerequisites: You must have completed five of the six prerequisites prior to declaring the biology major. Your final Intro Biology or General Chemistry course may be in progress at the time you apply, but they must be completed before your first quarter in the major.

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, cannot overlap with other general education)

Additional Writing – 10 credits

Reasoning (RSN) – 5 credits (satisfied by major coursework)

Natural Sciences (NSc) – 15 credits (satisfied by major coursework)

Arts and Humanities (A&H) – 15 credits

Social Sciences (SSc) – 15 credits

Diversity – 5 credits

Major Requirements

For the biology major, students must complete the following courses:

Calculus (choose one course):

- STMATH 124: Calculus I
- BMATH 144: Calculus for Life and Social Sciences

Statistics (choose one course):

- BHLTH/BMATH 215: Health Statistics
- BIS 215: Understanding Statistics
- STMATH 341: Statistical Inference
- BBUS 215: Introduction to Business Statistics
- STAT 220: Statistical Reasoning
- MATH& 146: Introduction to Statistics from Washington Community Colleges

Physics I and II (choose one series):

- Both BPHYS 114+117 and BPHYS 115+118: General Physics I and II + Labs
- Both BPHYS 121 and BPHYS 122: Calculus-based Physics I and II + Labs

Genetics: BBIO 360: Introduction to Genetics

Evolution: BBIO 466: Evolution

Ecology (choose one course)

- BES 312: Ecology
- BBIO 471: Plant Ecology

Cell Biology (choose one course)

- BBIO 370: Microbiology I
- BBIO 372: Stem Cells
- BBIO 380: Cell Biology

Physiology (choose one course)

- BBIO 351: Anatomy and Physiology I + Lab
- BBIO 352: Anatomy and Physiology II + Lab

Biology & Society (choose one course)

- See list maintained by the Biology Department for course options on department website

Investigative Biology: BBIO495

Biology Electives (20 credits)

- 20 credits (usually four courses) of upper division (300-level or higher) biology elective coursework. You must choose your electives from at least two out of three elective categories.
- See list maintained by the Biology Department for course options by elective category:
<https://www.uwb.edu/stem/undergraduate/majors/biology/curriculum>

- One course cannot satisfy both a biology elective and a biology core requirement

Major GPA Requirement: A minimum major GPA of 2.00 for courses applied toward requirements for biology major, including math, physics, chemistry, biology courses, and major electives. See biology degree audit to see your major GPA.

Sample 4-year Course Plan

Year 1

Autumn	Winter	Spring	Summer
BCHEM143+144 (4+2)	BCHEM153+154 (4+2)	BCHEM163+164 (4+2)	
B WRIT 134 (5)	B WRIT 135 (5)	Calculus (5)	
B CORE: A&H or SSc (5)	A&H or SSc (5)	A&H or SSc (5)	

Year 2

Autumn	Winter	Spring	Summer
BBIO180 (5)	BBIO200 (5)	BBIO220 (5)	
Physics I (5)	Physics II (5)	Statistics (5)	
A&H or SSc (5)	Biology & Society (3-5)	Writing (5)	

Year 3

Autumn	Winter	Spring	Summer
Genetics (5)	Evolution (5)	Ecology (5)	
Investigative Biology	Biology Elective (5)	Cell Biology (5)	
A&H or SSc (5)	A&H or SSc (5)	Diversity (5)	

Year 4

Autumn	Winter	Spring	Summer
Physiology (5)	Biology Elective (5)	Biology Elective (5)	
Biology Elective (5)	General Elective (5)	General Elective (5)	
General Elective (5)	General Elective (5)	General Elective (5)	

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.