

# Bachelor of Science with a major in Chemistry: Biochemistry

## 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 UWB website.

Minimum requirements for current UW Bothell students:

- Minimum 2.0 in each General Chemistry course: B CHEM 143+144, 153+154, 163+164
- Minimum 2.0 in each Calculus course: STMATH 124, 125, 126

## 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 Chemistry: Biochemistry major, students must complete the following courses with a minimum 2.0 grade in each course used to satisfy the major:

B PHYS 121 (5) OR BPHYS 114+117 (5)

B PHYS 122 (5) OR BPHYS 115+118 (5)

B PHYS 123 (5) OR BPHYS 116+119 (5)

Any one from the following mathematics courses: STMATH 207, 208, 224, 341

B BIO 180 (5)

B BIO 200 (5)

B CHEM 237 (4)

B CHEM 238+241 (7)

B CHEM 239+242 (7)

B CHEM 294 (1)

B CHEM 316+317 (7)

B CHEM 364 OR B BIO 364(5)

B CHEM 365 OR B BIO 365 (5)

B CHEM 366 OR B BIO 366 (3)

B CHEM 375 OR B BIO 375 (5)

B CHEM 401 (4)

B CHEM 402 (4)

B CHEM 404 (4)

B CHEM 426 (5)

B CHEM 495 (3)

Five (5) credits from any of the following courses: B CHEM 310, 312, 313, 350, 493, 494, 497, 498, 499

## Sample 4-year Course Plan

### Year 1

Autumn	Winter	Spring	Summer
B CHEM 143+144 (6)	B CHEM 153+154 (6)	B CHEM 163+164 (6)	
B CORE (5-A&H or SSc)	B WRIT 134 (5)	B WRIT 135 (5)	
STMATH 124 (5)	STMATH 125 (5)	STMATH 126 (5)	

### Year 2

Autumn	Winter	Spring	Summer
B CHEM 237 (4)	B CHEM 238+241 (7)	B CHEM 239+242 (7)	
B BIO 180 (5)	B BIO 200 (5)	300+ B CHEM elective (5)	
A&H or SSc (5)	B CHEM 294 (1)	STMATH 207, 208, 224, or 341 (5)	

### Year 3

Autumn	Winter	Spring	Summer
B CHEM 316+317 (7)	B CHEM 426 (5)	B CHEM 495 (3)	
B PHYS 114+117 (5) or B PHYS 121 (5)	B PHYS 115+118 (5) or B PHYS 122 (5)	B PHYS 116+119 (5) or B PHYS 123 (5)	
A&H or SSc (5)	BST 301 (5)	A&H or SSc (5)	

### Year 4

Autumn	Winter	Spring	Summer
B CHEM 401 (4)	B CHEM 402 (4)	B CHEM 404 (4)	
B CHEM 364+366 (8)	B CHEM 365 (5)	B CHEM 375 (5)	
A&H or SSc + DIV (5)	A&H or SSc (5)	Elective (3)	

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](http://www.uwb.edu/advising).