

# Bachelor of Science in Mathematics

## 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:

- A cumulative UW GPA of 2.0 or higher

## 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 Mathematics major, students must complete the following courses with a 2.0 or higher:

Mathematics Core Courses – 60 credits

- Calculus I-III – STMATH 124, 125, and 126 (15 credits)
- Differential Equations – STMATH 207 (5 credits)
- Matrix Algebra – STMATH 208 (5 credits)
- Multivariate Calculus – STMATH 224 (5 credits)
- Statistics – either STMATH 341, 390, or 392 (5 credits)
- Foundations of Modern Math – STMATH 300 (5 credits)
- Introduction to Professional Math – STMATH 301 (5 credits)
- Either Discrete Math Modeling or Numerical Analysis I – STMATH 381 or 405 (5 credits)
- Abstract Algebra I – STMATH 402 (5 credits)
- Real Analysis I – STMATH 424 (5 credits)

Approved Math Electives with at least ten credits classified as Advanced Electives and at least five credits classified as Depth Electives – 25 credits

Computer Programming – either CSS 123 and CSSSKL 123, CSS 132 and CSSSKL 132, or CSS 142 and CSSSKL 142 (5-6 credits)

## Sample 4-year Course Plan

### Year 1

Autumn	Winter	Spring	Summer
STMATH 124 (5)	STMATH 125 (5)	STMATH 126 (5)	
B CORE (5-A&H or SSc)	A&H or SSc (5)	A&H or SSc (5)	
B WRIT 134 (5)	B WRIT 135 (5)	A&H or SSc (5)	

### Year 2

Autumn	Winter	Spring	Summer
STMATH 224 (5)	STMATH 208 (5)	STMATH 300 (5)	
Computer Prog (6)	Statistics (5)	STMATH 207 (5)	
A&H or SSc (5)	A&H or SSc (5)	DIV (5)	

### Year 3

Autumn	Winter	Spring	Summer
STMATH 301 (5)	STMATH 402 (5)	Math Elective (5)	
STMATH 405 (5)	Math Elective (5)	Elective (5)	
Elective (5)	Elective (5)	Elective (5)	

### Year 4

Autumn	Winter	Spring	Summer
STMATH 424 (5)	Math Elective (5)	Math Elective (5)	
Math Elective (5)	Elective (5)	Elective (5)	
Elective (5)	Elective (5)	Elective (4+)	

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).