

# Math



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

[Website](#)  
425-352-3746  
STEMADV@UW.edu

- 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.
- This guide is not a substitute for academic advising. Contact your academic advisor with questions about scheduling, unique interests, or degree requirements.
- Applicants who are generally competitive to Math will have the following: 1. All prerequisites completed or 1-2 in progress by time of review, 2. 3.0 grade in each prerequisite, 3. Cumulative GPA of 3.0.

	Autumn	Winter	Spring
Year 1	◆ B MATH 123 – Precalculus II	◆ STMATH 124 - Calculus I	◆ STMATH 125 – Calculus II
	◆ B WRIT 134 Composition	◆ B WRIT 135 Research Writing	Additional Writing Course
	❖ VLPA	❖ I & S	❖ VLPA
	Autumn	Winter	Spring
Year 2	◆ STMATH 126 Calculus with Analytical Geometry III	✓STMATH 308 Matrix Algebra	✓STMATH 300 Foundations in Modern Math
	✓CSS 142 Computer Programming I	✓STMATH 324 Multivariable Calculus	✓STMATH 307 Differential Equations
	I & S	VLPA	I & S
<i>Most 300- or 400- level math courses require one or more of STMATH 126, 300, 307, 308, 324 and/or CSS 142 + CSSSKL 142 lab as prerequisites. These should be taken by the end of Year 3 at the latest if your goal is to complete your degree within four years.</i>			
	Autumn	Winter	Spring
Year 3	Elective PHYS 121 - Mechanics	PHYS 122 – Electromagnetism	STMATH 341/390 Statistics Course
	STMATH 402 Abstract Algebra	STMATH 424 Real Analysis I	STMATH 381 Discrete Math Modeling or Upper Division Math Elective
	STMATH 405 Numerical Analysis I or Upper Division Math Elective	Upper Division Math, Minor or General Elective	Upper Division Math, Minor or General Elective
<i>Students may choose between STMATH 405 in the autumn or STMATH 381 in the spring.</i>			
	Autumn	Winter	Spring
Year 4	Upper Division Math, Minor or General Elective	Upper Division Math, Minor or General Elective	Upper Division Math, Minor or General Elective
	Upper Division Math, Minor or General Elective	Upper Division Math, Minor or General Elective	Upper Division Math, Minor or General Elective
	Upper Division Math, Minor or General Elective	Upper Division Math, Minor or General Elective	Upper Division Math, Minor or General Elective
<i>The math major requires 25 credits of Upper Division Math Elective coursework. Many math majors supplement their degree with a minor depending on their career trajectory: computer and data sciences, teaching k-12, actuarial science, biostatistics, etc.</i>			

◆ **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

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: 6/17/19