

# Math



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

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- 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, 2. 3.0 grade in each prerequisite, 3. Cumulative GPA of 3.0.
- 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

	Autumn	Winter	Spring
Year 1	◊ B MATH 123 Precalculus II (depending on math placement)	◊ STMATH 124 Calculus I	◊ STMATH 125 Calculus II
	◊ B WRIT 134 Composition	◊ B WRIT 135 Research Writing (or other 5 credit "W" course)	Additional Writing Course
	❖ A & H	❖ SSc	❖ A & H
	Autumn	Winter	Spring
Year 2	◊ STMATH 126 Calculus III	✓ STMATH 208 Matrix Algebra	✓ STMATH 300 Foundations of Modern Math
	✓ CSS 142 Computer Programming I (with 1 credit CSSSKL 142 Skills Lab)	✓ STMATH 224 Multivariable Calculus	✓ STMATH 207 Differential Equations
	SSc/ Diversity (DIV) Course	A & H	SSc

Most 300- or 400- level math courses require one or more of STMATH 126, 207, 208, 224, 300 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.

	Autumn	Winter	Spring
Year 3	B PHYS 121 Mechanics	B PHYS 122 Electromagnetism	STMATH 341/390 Statistics Course
	Upper Division Math, Minor or General Elective	STMATH 402 Abstract Algebra 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

Students may choose between STMATH 405 in the autumn or STMATH 381 in the spring.

	Autumn	Winter	Spring
Year 4	STMATH 424 Real Analysis I	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

The math major requires 25 credits of Upper Division Math Elective coursework. Review details on the [Math Degree website](#). 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.

- ❖ May be fulfilled with Discovery Core
- ◊ **Prerequisite: Must be completed prior to applying for a major.**
- ✓ Milestones: Courses and special requirements necessary to timely progress through and complete a major.

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: 09/22/2022