

SAMPLE Four-Year Plan

B.S. Mathematics

The curriculum in the mathematics major is somewhat structured but students can move through the coursework in many ways. This four-year plan illustrates one possible path a student could take to complete a degree in four years. This is not an official document and is not the only way that a mathematics degree can be completed in four years. Current students should refer to their individual degree audit for specific graduation requirements. Courses in bold indicate major-based coursework that is completed in the first year.

First Year

Fall Semester	Units	Spring Semester	Units
MATH 253 Calculus & Analytic Geometry I	5	MATH 200 Mathematics: Form and Function	1
ENGLISH 101 Intro to College Writing and Reading	3	MATH 254 Calculus & Analytic Geometry II	4
General Education elective	3	MATH 355 Matrices & Linear Algebra	3
CORE 130 Individual and Society	3	ENGLISH 102 Intro to College Writing, Reading, & Research	3
INTRAUNV 104 New Student Seminar	1	CORE 120 or 140 Historical or Global Perspectives	3
		PEGNRL 192 Personal Health & Fitness	1
Total Credits	15	Total Credits	15

Notes: The math and English courses you will take during your first year will depend on UW System placement exam scores or ACT/SAT sub-scores. This four-year plan reflects the math and English courses most common for students in this major. All students are encouraged to complete placement testing prior to attending Warhawks SOAR (Student Orientation, Advising, and Registration).

Opportunities: Participating in a university-sponsored club, such as the Student Math Association, is strongly encouraged. Involvement in a club or activity will help you develop interpersonal and leadership skills and add to your resume. Additionally, many math majors are ready to tutor after their first year and can be employed through the Student Success Center to tutor students in Quantitative Reasoning, College Algebra, or Calculus I. On-campus tutoring helps students develop technical communication skills.

Second Year

Fall Semester	Units	Spring Semester	Units
MATH 255 Calculus & Analytic Geometry III	4	MATH 301 Intro to Analysis	3
MATH 280 Discrete Mathematics	3	COMPSCI 170, 172, 174, 220, 221 or 222	3
COMM 110 Intro to Public Speaking	3	General Education elective	3
CORE 110 World of the Arts	3	University Requirement Lab Science (GL) course	4-5
Minor course	3		
Total Credits	16	Total Credits	13-14

Notes: Students are encouraged to start thinking about selecting a minor in the second year. Common minors selected by math majors include: Computer Science, Economics, General Business, Information Technology, Music, Physics, and Spanish; however, you can choose from over 100 options that include Art, Japanese Studies, Sociology, and more.

Opportunities: Undergraduate research is not required as part of the mathematics program but is highly recommended for students who have an interest in attending graduate school in the future. Completing a directed research project with a faculty mentor has many benefits: it develops a student's critical thinking and writing abilities, it signals to graduate school programs that a student is prepared for independent research of their own, and it can provide a student with financial support since many undergraduate research opportunities are paid. You can also sign up for MATH 298 or MATH 498 to complete research for elective credits toward graduation.



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Third Year

Fall Semester	Units	Spring Semester	Units
MATH 452 Intro to Abstract Algebra (F)	3	Mathematics elective	3
Mathematics elective	3	Degree Requirement Lab Science (GL) course	4-5
ENGLISH 370 or PWP 372	3	CORE 390 World of Ideas	3
Minor course	3	Minor course	3
Minor course	3	Minor course	3
Total Credits	15	Total Credits	16-17

Opportunities: If you enjoyed Undergraduate research with faculty members, you might consider applying for summer programs through other institutions, called Research Experience for Undergraduates (REUs), found at <https://www.nsf.gov>. These programs typically require applications due in the winter. You might also consider taking MATH 281 Putnam Competition and Problem Solving to help prepare you for the prestigious W. L. Putnam Exam given each December. MATH 281 counts for an elective mathematics credit.

Fourth Year

Fall Semester	Units	Spring Semester	Units
Mathematics elective	3	Mathematics elective	3
U.S. Racial/Ethnic Diversity (DV) course	3	Minor course	3
Minor course	3	Elective courses up to 120 credits	6-9
Minor course	3		
General Education elective	3		
Total Credits	15	Total Credits	12-15

Notes: All students must earn 120 credits to earn a bachelor's degree, and many students have the opportunity to choose additional courses in the fourth year to expand skills, explore interests, or try something new. If you haven't yet taken a statistics course, this would be a great option.

Opportunities: UWW Career Services hosts on-campus career fairs at least once per semester. Students are highly encouraged to attend with an up-to-date resume. Students interested in pursuing graduate studies should identify programs and schools in the fall, and submit applications in the winter. Request recommendation letters from faculty with at least two months' notice.

Planning for Graduation: Students are encouraged to apply for graduation one full semester prior to their intended graduation date. Information about commencement and the application for graduation are on the Registrar's Office website (<http://www.uww.edu/registrar/graduation>).

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