

MATHEMATICS (MINOR)

The minor in Mathematics invites undergraduate students from across disciplines to deepen their understanding of mathematical reasoning and explore fundamental and advanced topics in mathematics. Designed for students whose primary fields of study are outside the Department of Mathematics, the minor complements majors in engineering, business, science, and the liberal arts, offering a rigorous yet accessible path into mathematical thought.

Code	Title	Hours
Course Requirements:		
MATH 20610	Linear Algebra	3
	or MATH 2058C Introduction to Linear Algebra and Differential Equations	
	or ACMS 20620 Applied Linear Algebra	
	or PHYS 20451 Mathematical Methods in Physics I	
MATH 20630	Introduction to Mathematical Reasoning	3
	or MATH 10850 Honors Mathematics I	
	or CSE 20110 Discrete Mathematics	
MATH 30710	Algebra (Second Math Reasoning)	3
	or MATH 3075C Real Analysis	
	or MATH 4021C Basic Combinatorics	
	or MATH 4048C Complex Variables	
	or MATH 4051C Intro to Algebraic Geometry	
	or MATH 4052C Theory of Numbers	
	or MATH 4057C Mathematical Methods in Financial Economics	
	or MATH 4072C Topics in Algebra	
	or MATH 4074C Topology	
	or MATH 4075C Partial Differential Equations	
	or MATH 4076C Differential Geometry	
	or MATH 4091C Topics in Mathematical Logic	
	or MATH 4091E Set Theory and Applications	
	or MATH 4092C Philosophy of Mathematics	
	or MATH 4096C Topics in Geometry or Topology	
	or any Honors Math course beyond MATH 10850	
Two 3-credit Math classes 30000 or above, as long as at least one course counting for the minor is 40000 or above. One of these two can be an ACMS major course 30000 or above ¹		6
Total Hours		15

¹ ACMS 30440 is not an ACMS major course.

Restrictions

- This minor is only open to undergraduate students and is not permitted for those pursuing a major or supplementary major in the Department of Mathematics.
- At least 3 of the 5 required courses cannot count for another major.
- No course can count for another minor.
- Courses cannot be taken pass/fail.
- Minimum GPA in the minor is 2.0