Minor in Mathematics

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.

Program Requirements

Students must take 5 math courses according to the following curriculum:
- **Linear Algebra**: Math 20610 (Linear Algebra) or Math 20580 (Linear Algebra and Differential Equations) or ACMS 20620 (Applied Linear Algebra) or PHYS 20451 (Math Methods in Physics 1).
- A **first math reasoning** course: Math 20630 (Intro to Math Reasoning) or Math 10850 (Honors Math 1) or CS 20110 (Discrete Math)
- A **second math reasoning** course: Math 30710 (Algebra), Math 30750 (Real Analysis), Math 40210 (Combinatorics), Math 40480 (Complex Variables), Math 40510 (Algebraic Geometry), Math 40520 (Number Theory), Math 40570 (Financial Econ), Math 40720 (Topics in Algebra), Math 40740 or 40745 (Topology), Math 40750 (PDEs), Math 40760 (Differential Geometry), Math 40910 (Topics in Logic), Math 40920 (Philosophy of Math), Math 40960 (Topics in Geometry), or any Honors Math course beyond Math 10850.
- Any **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 courses can be ACMS 30000 or above.

Joining the minor

There are no prerequisites for the Minor in Mathematics, other than prerequisites for individual courses. To join the minor or to express interest in joining, please fill out the [Math Minor Google Form](#).

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.