

MATHEMATICS PH.D.

Doctor of Philosophy - Mathematics

Degree Specific Credits: 60

Required Cumulative GPA: 3.0

- The regular (Option 1) Ph.D. program prepares research specialists in the mathematical sciences. The department offers research training in algebra, analysis, applied mathematics, combinatorics & optimization, computer science, and topology.
- Our non-traditional (Option 2) Ph.D. program prepares college mathematics teachers and other "general practitioners" of mathematics. It emphasizes greater breadth in course work and less specialization than in the regular program. An emphasis in mathematics education is available under this option.
- A dissertation is required.
- Students must complete preliminary examinations in two areas.
- Students must complete a comprehensive examination emphasizing their area of specialization.

Course Requirements

Code	Title	Hours
Complete the following course:		
M 600	Mathematics Colloquium	1
M 597	Research	3
or M 699	Dissertation	
Complete 2 credits of the following courses:		2
M 504	Topics in Mathematics Education	
M 610	Graduate Seminar in Applied Mathematics	
M 620	Graduate Seminar in Algebra	
M 650	Graduate Seminar in Analysis	
M 680	Graduate Seminar in Combinatorics and Optimization	
Electives		54
Complete 54 credits of graduate-level Mathematics (M) or Statistics (STAT) courses.		
Total Hours		60

Minimum Grade: C

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