MATHEMATICS, PH.D.

Degree Requirements

All course work must be approved by the advisor and the Associate Head (Graduate Studies). A student may take at most two 3 credit hour reading courses from any one instructor for credit in this degree program. Particular programs of study within mathematics may require courses outside the Department of Mathematics.

In addition to the course work, the student is required to take a candidacy examination, which will consist of two comprehensive exams from the following areas: Algebra, Analysis, Combinatorics, Differential Equations, Computational Mathematics, Topology, at least one of which must be Algebra or Analysis. The candidate's supervisor must approve the choice of subjects.

To proceed to a Ph.D. degree a student must have a grade of "A" on each of the three parts.

All Ph.D. students are required to serve as instructors in at least two one-semester undergraduate courses (two 3 credit hour courses or one 6 credit hour course) after passing all comprehensive examinations. The Department Head may require a student to complete additional training before any teaching duties are assigned to them.

Every Ph.D. student must make at least two presentations in a venue approved by the department; possible venues may include approved Department seminar series, external seminars, or conferences. Presentations given to fulfill course requirements, or other program requirements, are not eligible for this requirement.

Expected Time to Graduate: 4 years

Progression Chart

Course	Title	Hours
Year 1		
GRAD 7500	Academic Integrity Tutorial	0
GRAD 7300	Research Integrity Tutorial	0
Courses at the 7000 level or higher [1]		12
	Hours	**12**
Years 1-2		
GRAD 8010	Doctoral Candidacy Examination [2]	0
	Hours	**0**
Years 3-4		
GRAD 8000	Doctoral Thesis	0
	Hours	**0**
	Total Hours	**12**

[1] All course work must be approved by the advisor and the Associate Head (Graduate Studies). A student may take at most two 3 credit hour reading courses from any one instructor for credit in this degree program.

[2] Students in the Ph.D. program in Mathematics are normally expected to pass their candidacy examination within 13 months after their initial registration in the program.