

DOCTOR OF PHILOSOPHY WITH A MAJOR IN MATHEMATICS

PhD Mathematics Website

The students must complete 36 hours of coursework as follows:

- At least 30 hours must be in mathematics courses at the 6000-level or higher.¹
- At least 6 hours must form the doctoral minor field of study.
- The overall GPA for these courses must be at least 3.0.
- These courses must be taken for a letter grade and passed with a grade of at least C.

¹Work on a master's thesis (thesis hours) may not be counted toward this requirement, but coursework for the master's degree may be counted. The coursework is subject to breadth requirements guaranteeing exposure to five areas of mathematics (these requirements are discussed more fully on the School of Mathematics website).

Minor requirement. The minor field of study should consist primarily of 6000 -level (or higher) coursework in a specific area outside the School of Math, or in a mathematical subject sufficiently far from the student's thesis work. A total of 6 credit hours is required and must be passed with a grade of B or better. These courses should not include MATH 8900 and must be chosen in consultation with the PhD advisor and the Director of Graduate Studies to ensure that they form a cohesive group which best complements the students research and career goals. A student wishing to satisfy the minor requirement by mathematics courses must petition the Graduate Committee for approval. Courses used to fulfill a Basic Understanding breadth requirement in Analysis or Algebra should not be counted towards the doctoral minor. Upon completing the minor requirement, a student should immediately complete the Doctoral Minor form.

Prior to admission to candidacy for the doctoral degree, each student must pass the comprehensive examination, which consists of written exams and an oral examination in the student's proposed area of specialization. Doctoral students must also satisfy the Institute's requirements with respect to the dissertation and final oral examination.

All PhD programs must incorporate a standard set of Requirements for the Doctoral Degree.