Ph.D in Mathematics

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Description

The Ph.D. in mathematics requires mastery of a broad area of mathematics and completion of a dissertation that is an original and substantial contribution. This terminal degree prepares a student for a professional career in mathematics, as a teacher or a research mathematician.

Minimum Total Credit Hours: 66

Course Requirements

A student must complete a minimum of 48 course hours of graduate work, exclusive of the dissertation (18 hours). This must include the sequences Modern Algebra (Math 525, 526); Theory of Functions of Real Variables (Math 653, 654); and Theory of Functions of Complex Variables (Math 655, 656). Of the 48 course hours, 36 must be in courses open only to graduate students.

Reading knowledge of one foreign language is required; French, Russian, or German is recommended. This requirement may be satisfied by the completion of 6 hours of an undergraduate language at the sophomore level or by making an appropriate score on the Graduate School Foreign Language Test of the Educational Testing Service.

Other Academic Requirements

An advisory committee consisting of five members of the graduate faculty will be appointed for each graduate student who declares his or her intention to become a candidate for the degree. Written exams will be administered covering the required sequences and one other approved sequence. In addition, the candidate must satisfy the advisory committee as to the extent of the candidate's research ability and activity, as well as the suitability and excellence of course work presented.