MATHEMATICS (PHD)

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: 57

Course Requirements

A student must complete a minimum of 39 course hours of graduate work, exclusive of the dissertation (18 hours) and any thesis hours (MATH 6997A Thesis). This must include the sequences:

Code	Title	Hours
MATH 6251 & MATH 6252	Modern Algebra I and Modern Algebra II	6
MATH 7531 & MATH 7532	Theory of Functions of Real Variables I and Theory of Functions of Real Variables II	6
MATH 6551 & MATH 6552	Theory Functions of Complex Variables I and Theory Functions of Complex Variable II	6
MATH 5511	General Topology I	3

Of the 39 course hours, 30 must be in courses open only to graduate students.

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 Real Analysis, Algebra, 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 coursework presented.