MATHEMATICS (PH.D.)

https://ceps.unh.edu/mathematics-statistics/mathematics-phd

Description

The Mathematics Ph.D. program provides research opportunities in core mathematics, including operator algebras, algebra, algebraic topology, analysis and complex analysis.

Admission Requirement

Applicants for the M.S. and Ph.D. degrees must have completed significant undergraduate coursework in mathematics, preferably in algebra, analysis, and topology.

Applying

Please visit the Graduate School website (http://gradschool.unh.edu/apply.php) for detailed instructions about applying to the program.

Requirements

Students are advanced to candidacy after meeting the following requirements:

Required Courses		
MATH 951	Algebra I	3
MATH 952	Algebra II	3
MATH 953	Analysis I	3
MATH 954	Analysis II	3
MATH 955	Topology I	3
Total Credits		15

Mathematics Ph.D. students must pass written comprehensive examinations in algebra, analysis, topology and an elective subject. Elective subjects include functional analysis, algebraic topology, applied mathematics, statistics, advanced algebra, advanced complex analysis, advanced mathematics education, et al.

Advanced coursework in a minor field (usually within mathematics, but possibly in another area of the mathematical sciences), and a major field (that of the student's intended dissertation work) followed by successfully completion of oral examinations in their minor and major areas.

Experience in teaching equivalent to at least half-time for one year

Dissertation

Doctor of Philosophy in Mathematics: A dissertation that includes original results in mathematics.