MATHEMATICS EDUCATION (PH.D.)

https://ceps.unh.edu/mathematics-statistics/mathematics-education-phd-1

Description

The program is designed to provide students with depth and breadth in the fields of both mathematics education and mathematics and prepare students for educational and research leadership. The program is designed to advance forefront knowledge in mathematics education through world-class cutting-edge research.

Admission Requirement

Applicants to the Ph.D. in Mathematics Education degree must have BA or BS from an accredited college or university. Successful candidates typically have a bachelor's degree in mathematics or mathematics education and/or advanced coursework in mathematics.

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

Advanced Coursework in the Major Field (Mathematics Education)

- MATH 958 Foundations of Math Education: 3
- MATH 968 Topics in Mathematics Education I (MATH 968A and MATH 968B): 6
- MATH 978 Topics in Mathematics Education II (at least two semesters): 6

Total Credits: 30

Successful completion of written comprehensive examinations in algebra, analysis, mathematics education and an elective subject.

Successful completion of a minor program of study (usually a related one, such as educational psychology or research methodology, but possibly in an area of mathematics) followed by qualifying examinations in each.

Successful completion of a dissertation proposal defense in the major field of mathematics education and a presentation in the minor program of study.

Experience in teaching equivalent to at least halftime for one year typically through assistantship assignments.

Dissertation

Doctor of Philosophy in Mathematics Education: A dissertation that involves original research in mathematics education.