

DEPARTMENT OF TEACHER EDUCATION
College of Education
Ohio University
Athens Oh 45701

Doctor of Philosophy in Curriculum and Instruction
Specialization - Mathematics Education

The doctoral program in the Department of Teacher Education with a specialization in mathematics education has been designed for students whose major professional interest is the teaching and learning of mathematics at any instructional level. Research in mathematics education, teacher education in mathematics, college teaching of mathematics or combinations thereof, are aspects of mathematics education emphasized by most students in the program.

Students entering the program are expected to have completed a master's degree equivalent to the program in mathematics education offered by the Department of Teacher Education in cooperation with the Department of Mathematics at Ohio University. Those with less preparation should expect to complete prerequisite courses.

For additional information concerning the program, please contact

The Director
Department of Teacher Education
College of Education
Ohio University
Athens Oh 45701
740-593-4424

A. Specialization/Cognate - Mathematics/Mathematics Education (minimum of 35 hours)

1. Students entering a Ph.D. program in mathematics education are expected to have a level of mathematics preparation as described in the requirements for the masters in mathematics education degree at Ohio University. Those with less preparation will be expected to reach this level early in the program.

The following courses are required for a M.Ed. in mathematics education.

MATH 500	History of Mathematics	4 hours
MATH 511	Linear Algebra	4 hours
MATH 513 A,B	Introduction to Modern Algebra	8 hours
MATH 550A	Theory of Statistics	4 hours
MATH 560A	Advanced Calculus	4 hours

2. Students completing the Ph.D. program in mathematics education are expected to complete an additional 15 hours of mathematics at the 500-level or above.
3. Students completing the Ph.D. program in mathematics education are expected to have a level of mathematics education as described below:

EDCI 690	Research in Education-Mathematics Curriculum	4 hours
EDCI 690	Research in Education-Technology in Mathematics	4 hours
EDCI 690	Research in Education-Assessment in the Mathematics Classroom	4 hours
EDCI 890	Research in Education-Readings in Mathematics Education	4 hours
EDCI 890	Research in Education-Research in Mathematics Education	4 hours

Graduate courses taken prior to the beginning of the Ph.D. program may, at the discretion of the student's doctoral program committee, apply to the 35 hours of the specialization but will not apply to the 100 hours which the student must take to complete a Ph.D.