Mathematics: Secondary Education Mathematics, M.S.

Overview
The Master of Science in Mathematics, Secondary Education Concentration, prepares students to successfully teach mathematics at the Secondary level or High Schools. It is designed for teachers who wish to improve their level of competence in mathematics or wish to serve as Secondary School Mathematics Specialists, or wish to be Teachers of Secondary or High School Mathematics. The program is for people (1) who are currently teaching mathematics in the secondary schools, or (2) who plan to teach mathematics in the secondary schools or (3) who wish to switch careers and would like to obtain the M.S in mathematics and also complete the requirements for a secondary school teacher certification.

Credit hours required: 30

Program of Study
The program consists of 10 courses selected in consultation with the advisor. At least seven of the courses must be at the 400 level. The National Council of Teachers of Mathematics (NCTM), the National Council for Accreditation of Teacher Education (NCATE) and the Mathematical Association of America (MAA) recommend that teachers of secondary school mathematics be knowledgeable in the contents of Probability and Statistics, Geometry, History of Mathematics and Foundations of Algebra.

Core/Required Courses: 18 cr.
MATH-430 Discrete Mathematical Structures.................. 3 cr.
MATH-421 Modern Geometry.................................. 3 cr.
SCED-401M New Directions in Teaching Mathematics in the Junior & Senior High School........... 3 cr.
SCED-409 Teaching Mathematical Problem Solving in the Secondary Schools................................. 3 cr.
MATH-495 Project in Mathematics................................. 3 cr.
Four Electives.................................................... 12 cr.

Subject to change. See current University catalog for up-to-date information.

Admissions
1. Students must fulfill the requirements for admission to the College of Graduate Studies and Research.
2. Students must have a Teaching Certificate.
3. Students must have successfully completed 18 or more credit hours of College level Mathematics content courses that include Multivariable Calculus, Linear Algebra, and Discrete mathematics. Equivalent courses completed in other subject areas such as physics, engineering, business, computer sciences, etc. may apply.
4. Applicants who fulfill conditions (1) and (3) but not (2) may be granted conditional admission if they are currently enrolled or plan to enroll in a Teaching Certification program.

GRE: Not required

Attending Northeastern
- Classes are offered during the late afternoon and evening hours to accommodate professionals working full-time
- Students may attend either part-time or full-time
- Current in-state graduate tuition is less than $400 per credit hour (tuition & fees)
- Financial support: Financial aid (loans), merit tuition scholarships, and graduate assistantships are often available to help fund your graduate education.

Contact Us
Give us a call: (773) 442-6001
Email us: graduateadmissions@neiu.edu
Visit us at the Graduate Admissions office:
M–Th: 8:30 a.m.–7 p.m. Fri: 8:30 a.m.–4:30 p.m.
5500 North St. Louis Avenue, Chicago, IL 60625
Room D-101D
Visit our website: www.neiu.edu/graduatesstudies

WHAT’S NEXT?
M.S. IN SECONDARY EDUCATION MATHEMATICS

Newsweek magazine has named Northeastern Illinois University the Sixth Best Investment among all universities in the nation and number one in Illinois.