Overview

The Master of Science in Applied Mathematics is designed for those with a strong undergraduate background in mathematics who wish to better prepare themselves for careers in applied mathematics or college teaching of mathematics. We constantly examine our curriculum to make our course offering better connected with the job market requirements. The program is designed so that the student can concentrate in the areas of Applied Mathematics, Statistics, and Operational Research.

Credit hours required: 30

Careers

• Mathematical Modeling
• Optimization Methods
• Quantitative Methodology
• Actuarial Mathematics
• Forecasting Skills
• College-Level Teaching
• Doctoral Studies

Program of Study

Students select electives appropriate to their area of concentration in consultation with their graduate advisor.

Required courses ........................................... 6 cr.
Math 430 Discrete Mathematical Structures
Math 495* Project in Mathematics
Eight* elective courses: three of which may be 300-level courses approved by the advisor………24 cr.

The full description of program requirements and all the courses can be found in the department’s brochure and in the NEIU Catalog. As a part of the degree, students will prepare a thesis or a written project for credit. A formal presentation of the paper is required. Students must also pass a comprehensive examination covering selected areas.

*If a student elects to prepare a thesis, then they will register for thesis credit as approved by the advisor. The thesis option requires only seven elective courses, and MATH 494 replaces MATH 495.

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

Admissions

Applicants must meet the general requirements for admission to the College of Graduate Studies and Research. Students must have six undergraduate courses in mathematics after calculus. A student with four or five courses after calculus may be admitted conditionally. Students who are less well prepared must complete additional course work before applying to the 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 for further details.

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/graduatestudies

WHAT’S NEXT?
M.S. IN APPLIED MATHEMATICS

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