Mathematics: Pedagogical Content Knowledge for Teaching Elementary and Middle School Mathematics, M.A.

Overview
The program is mathematics-content oriented with a focus on content-specific pedagogy, mathematics teaching in diverse settings, and current Illinois educator and student standards. Students study elementary and middle school mathematics content from an advanced perspective, exploring the underlying concepts with the goal of improving their teaching of elementary and middle school mathematics. The program is designed for teachers who wish to improve their level of competence in mathematics or wish to serve as Elementary or Middle School Mathematics Specialists, Coordinators of Elementary or Middle School Mathematics Programs, or Teachers of Elementary or Middle School Mathematics. Successful completion of the program leads to a middle school mathematics endorsement.

Credit hours required: 30

Admissions
Applicants must meet the general requirements for admission to the College of Graduate Studies and Research. Students must hold a current Illinois teaching license for teaching elementary or middle school. In addition, students must have successfully completed 6 or more credit hours of college mathematics content courses. The application must include an essay (not to exceed 1000 words) describing a successful or unsuccessful elementary or middle grades mathematics lesson taught by the applicant. Essays must address mathematics content, teaching and learning.
GRE: Not required

Program of Study
Required Courses:
- MTHE-401 Number Systems and Operations...........3 cr.
- MTHE-402 Patterns, Functions, and Algebra...........3 cr.
- MTHE-403 Geometry and Measurement..................3 cr.
- MTHE-404 History of Mathematics.......................3 cr.
- MTHE-438 Data Analysis, Statistics, & Probability....3 cr.
- MTHE-439 Technology......................................3 cr.
- MTHE-450 Equitable Mathematics Teaching..............3 cr.
- MTHE-451 Research Trends................................3 cr.
- MTHE-496 Graduate Seminar...............................3 cr.
- ELED-403 Methods of Teaching Mathematics in Elementary and Middle Schools....................3 cr.

Total........30 cr.

Careers
In Illinois, the number of employed elementary and middle school teachers is expected to increase from 117,310 in 2008 to 136,310 in 2018. In addition, The Chicago Public Schools Policy Manual requires that teachers of middle school mathematics be recognized by the Illinois State Board of Education as Middle Grade Content Area Specialists in Mathematics and that a sufficient number of teaching positions be programmed for Middle Grades Content Area Specialist teachers. The MA program is designed to prepare its graduates for these positions.

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

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