

# DEPAUL UNIVERSITY

## Master's Degree Programs for Mathematics Teaching: MASTER OF ARTS IN MATHEMATICS EDUCATION AND MASTER OF SCIENCE IN MATHEMATICS FOR TEACHING

### PROGRAM DESCRIPTIONS

The Master of Arts in mathematics education (MAMEd) program is designed for both career changers and certified teachers who plan to, or already, teach secondary mathematics or teach developmental courses at the community college level.

The Master of Science in mathematics for teaching (MSMT) program is designed for both career changers and teachers who plan to teach the full range of mathematics courses offered at the community college level. Students in the MSMT program will first complete the courses in the MAMEd program and then take five additional courses.

Students who begin one of these programs can easily switch to the other if their career plans change. To determine which program is best for you, please contact the program director, Dr. Yevgenia Kashina at [ykashina@depaul.edu](mailto:ykashina@depaul.edu) or (773) 325-1351.

To enroll in either program, it is not necessary to have been a mathematics major. The goal of both programs is to increase the content area knowledge of teachers in a way that directly impacts their classroom performance and professional success.

Students in the MAMEd program, especially those who were mathematics majors, can substitute some program requirements by more advanced courses in the MSMT program or other master's degree programs in mathematics.

### PROGRAM FEATURES

**Community of learning.** As part of our program, students with work experience—either in the classroom or the business world—will form a supportive network of motivated peers. Taking the same courses, in the same sequence, “cohorts” work together to their mutual advantage, both personal and professional. Often, teachers from the same school will go through the program together and, in doing so, form a powerful bond to bring back to their own classrooms.

**Content-rich curriculum.** MAMEd students will learn the core concepts and techniques of Euclidean and non-Euclidean geometry; differential and integral calculus of one and several variables; differential equations; discrete mathematical structures, with an emphasis on logic, proof and mathematical reasoning; real analysis; and abstract algebra. Students taking the additional courses in the MSMT will gain a more thorough understanding of multivariable calculus; linear algebra; differential equations; and, probability and statistics. All courses focus on connections to the secondary and community college curriculum.

**Flexibility.** Students are encouraged to work at a pace suited to their obligations and opportunities. Almost all classes meet on weekends and all classes are at the Lincoln Park Campus. DePaul's long history of serving working professionals ensures that students are able to tailor their education to meet their personal and career goals.

The MAMEd degree requires 12 courses (48 quarter hours) and can be completed in 18 months. The MSMT degree requires 17 courses (68 quarter hours) and can be completed in 27 months.

### CAREER OUTCOMES

94% of recent mathematics education graduates and 100% of recent mathematics for teaching graduates were employed, pursuing advanced degrees or seeking neither after degree completion.

#### MAMEd Career Outcomes

Examples of recent employers of graduates include:

- Chicago Public Schools
- Deerfield High School
- Edmentum
- Glenbrook South High School
- Kendall College
- Montessori School of Lake Forest

Our graduates have held varied positions within these organizations, including curriculum developers, math support specialists, mathematics teachers and site directors.

#### Math for Teaching Career Outcomes

Examples of recent employers of graduates include:

- Bloom High School/Prairie State College
- City Colleges of Chicago
- DePaul University
- Francis Parker School
- Truman College

Our graduates have held varied positions within these organizations, including adjunct math instructors, part-time math tutors, adjunct math professors and math teachers.



## MSMT DEGREE REQUIREMENTS

### (17 courses, 68 quarter hours)

The MSMT program requires the following seventeen courses:

MAT 451	Probability and Statistics I
MAT 452	Probability and Statistics II
MAT 470	Advanced Linear Algebra
MAT 610	Calculus I
MAT 611	Calculus II
MAT 612	Calculus III
MAT 618	Topics in Calculus and Differential Equations
MAT 620	Geometry
MAT 631	History of Mathematics Through Problem Solving
MAT 640	Multivariable Calculus I
MAT 642	Multivariable Calculus II
MAT 644	Differential Equations
MAT 660	Discrete Mathematics
MAT 670	Abstract Algebra I
MAT 671	Abstract Algebra II
MAT 672	Linear Algebra
MAT 680	Real Analysis

## MAMED DEGREE REQUIREMENTS

### (12 courses, 48 quarter hours)

MAMEd students are required to take 12 out of 17 courses offered by the MSMT program. Typically, MAMEd students will take MAT 610, 611, 612, 618, 620, 631, 640, 642, 660, 670, 680 and either 671 or 672.

## ADMISSION REQUIREMENTS

A bachelor's degree (from a regionally accredited institution) is required for admission to this program.

### To apply, please submit the following:

- A completed online application ([go.depaul.edu/apply](http://go.depaul.edu/apply))
- Official transcripts from all previous college coursework

*Students educated outside of the U.S. must provide a credit evaluation and proof of English proficiency by submitting a TOEFL or IELTS score. Visit the program website or [go.depaul.edu/cshinternational](http://go.depaul.edu/cshinternational) for more information.*

## HOW TO APPLY

Online applications can be submitted at [go.depaul.edu/apply](http://go.depaul.edu/apply). Application credentials can be submitted through the online application or by email to [graddepaul@depaul.edu](mailto:graddepaul@depaul.edu). Additionally, official electronic transcripts can be emailed to [graddepaul@depaul.edu](mailto:graddepaul@depaul.edu) directly by the issuing institution. Please make sure your name is on all documents.

Transcripts and other required credentials also can be mailed to:

### The Office of Graduate Admission

College of Science and Health  
DePaul University  
2400 N. Sheffield Ave.  
Chicago, IL 60614

## APPLICATION DEADLINE

Applications are accepted on a rolling basis. Students are encouraged to apply at least 6-8 weeks before the start of each term.

## FOR MORE INFORMATION

Web: [go.depaul.edu/mathed](http://go.depaul.edu/mathed)  
Visit: [go.depaul.edu/mamedevents](http://go.depaul.edu/mamedevents)  
Email: [graddepaul@depaul.edu](mailto:graddepaul@depaul.edu)  
Phone: (773) 325-7315

If you have questions about these programs, please contact the program director, Dr. Yevgenia Kashina at [ykashina@depaul.edu](mailto:ykashina@depaul.edu) or (773) 325-1351.

*Please note the information provided is current as of November 2020 and is subject to change.*