



We Want Great Things for You

MASTER OF ARTS IN TEACHING MATHEMATICS

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Master of Arts in Teaching Mathematics

The Master of Arts in Teaching Mathematics (MATM) program at the University of Detroit Mercy is a 30 credit hour program designed for graduate students interested in teaching mathematics or computer science at the K-12 level. The program is intended to strengthen students' mathematical content knowledge and provide a rigorous exposure to research in mathematics education, including the use of technology in education. Students can choose from two concentrations: Mathematics Education or Computer Science Education.

Admission Requirements

Applicants must satisfy each of the following requirements:

1. Must have a current teaching certificate or be enrolled in a teacher certification program.
2. Must have passing scores on all three sections of the Michigan Basic Skills Test.
3. Must have a bachelor's degree with a minimum GPA 3.0.
4. Must have mastery of college mathematics up to and including two semesters of calculus (equivalent to MTH 1410 and MTH 1420 in the UDM undergraduate catalog).

Students not meeting all requirements may be admitted provisionally, in which case they are expected to make up their deficiencies while under the supervision of their advisor prior to beginning graduate coursework. Courses taken to satisfy admission requirements may be taken for graduate credit, but they do not count toward completion of the degree. Upon completion of these courses, a formal application to the program can be made to the College of Engineering and Science.

Degree Requirements

The program requires 30 credits of planned study in one of two concentration areas, Mathematics Education or Computer Science Education.

1. Students must take three courses in mathematics pedagogy:

MED 5600 Psychology of Mathematics
MED 5640 Instructional Technology for Mathematics
EDU 5000 Research Methods
2. Students must also take three courses to strengthen their mathematical subject knowledge:

MED 5870 Discrete Mathematics
MED 5900 Logic and Mathematical Inquiry
MED 5830 Geometry I (or MED 5840 Geometry II)
3. Students will choose three elective courses, selected from the MED course list.
4. After completing the above requirements, students will complete and present a research project in MED 5990.

Tuition Assistance for School Educators

Metropolitan Detroit-area teachers returning to college to gain certification, update their skills, or augment their training in the area of education may qualify for a 60% tuition scholarship. Interested teachers should contact the Education Department for an application. The school principal must write a letter confirming employment. The tuition reduction may be applied to all credits each term.

For further information, please write, call or e-mail:

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