



College of Education

Teacher Education Division

Master of Education in Mathematics (150/MMAE)

This program is designed for teachers who wish to enhance their knowledge and skills for teaching mathematics. The Master of Education in Mathematics may be completed in programs with orientations suitable to teachers certified for elementary or secondary teaching. The programs differ in their Mathematics and Mathematics Education requirements.

To be considered for the Master of Education program in Mathematics, applicants must present evidence of:

1. Eligibility for a Michigan provisional teaching certificate;
2. Undergraduate course work in mathematics appropriate to the certification level; and
3. An overall honor point average of 2.6 or higher and at least a 3.0 honor point average in mathematics.

Admission to the Master of Education program is contingent upon admission to the graduate school. Applications for the Master of Education Degree are available in the Academic Services Division, Room 489 Education.

Student Responsibilities

Plan of Work

After you have been admitted to the Master of Education program, you should meet with a mathematics education advisor to complete your Plan of Work. Your Plan of Work must be submitted to the Graduate Education Office for approval, prior to completion of 12 semester hours of graduate course work.

Course work

Advanced planning will help ensure the completion of your program in a timely fashion. Information about course offerings can be obtained from the Mathematics Education faculty and the Mathematics Department in the College of Science.

Time Limitations

You must complete the requirements for the Master of Education within six years following the completion of the first recorded graduate course to be used for your degree.

Master's Degree Seminars

You should plan to complete the Introductory Master's Seminar (TED 7000) and the Terminal Master's Seminar (ED 7999) near the end of your program and in the same academic year. When registering for the seminars, be sure to select the section designated for Mathematics Education students.

Transfer Credits

Graduate credits from another accredited university may be transferred and applied to your program provided the courses are approved by your advisor and the College of Education Academic Services Division. Such courses must be graduate level courses with grades of "B" or better. However, a minimum of 24 semester credits toward the master's degree must be earned in residence at Wayne State University.

Graduation

You must submit an application to graduate. Your application must be submitted to the Central Records Office, 1 West HNJ Student Services Center, no later than the first day of classes for the semester in which you will complete your degree requirements.

Major Requirements

Mathematics Education Courses

A minimum of twelve semester hours

MAE	6050	Teaching Mathematics in Middle School/Jr. High	3 cr.
MAE	6150	Special Topics in Mathematics Education	2-6 cr.
MAE	8050	Advanced Studies in Teaching Algebra	3 cr.
MAE	8100	Advanced Studies in Teaching Geometry	3 cr.
MAE	8150	Advanced Studies in Teaching Discrete Mathematics	3 cr.
MAE	8200	Advanced Studies in Teaching Statistics and Probability	3 cr.
TED	6030	Computer Applications in Teaching II	3 cr.

Master's Degree Seminars

Six semester hours

TED	7000	Introductory Master's Seminar	3 cr.
ED	7999	Terminal Master's Seminar (Mathematics Ed. Section) (Both should be taken near completion of the program)	3 cr.

General Professional Requirements

Educational Foundation Courses

A minimum of six semester hours

One two-credit course from three of the following areas:

EDA	7600	Education Administration	2 cr.
EDP	5450, 5480, or 7350	Child Psychology, Adolescent Psychology, or The Learning Process	2 cr.
EDS	7630	Educational Sociology	2 cr.
EER	7610	Evaluation and Measurement	2 cr.
CED	6700	The Role of the Teacher in Guidance	2 cr.
EHP	7600	Philosophy of Education	2 cr.
SED	7050	Mainstreaming Handicapped Students	2 cr.

Electives

Mathematics or Related Courses

A minimum of six semester hours in at least two mathematics or related graduate level courses.