

MATHEMATICS ENDORSEMENT OPTION

This program welcomes teachers certified at the elementary level who seek but do not already hold an endorsement in mathematics (EX) that certifies them to teach mathematics through grade 8. The program is 30 credit hours and provides stimulating, collegial, research- and practice-based learning centered on national and state frameworks. Endorsement requires passing the MTTC Test for Elementary Mathematics. Candidates need to be knowledgeable in mathematics through precalculus.

I. Core Courses

The core sequence provides continuity and integration for all programs. Ideas of policy, change, growth and diversity are developed in the following courses.

Code	Title	Credit Hours
Required:		
EDA 501	Adv Social Fndations of Ed	3
EDC 556	Learning & Classrm Assessment	3
or EDC 560	Rdg:Diag/Assessment Tech K-12	
EDK 500	Intro to Research in Education	3
Total Credit Hours		9

Students are strongly encouraged to elect at least one core class during the first year of work. Completion of all core classes is recommended within the first 20 credit hours. All core classes must be elected on the UM-Dearborn campus.

II. Professional Studies

Code	Title	Credit Hours
Required:		
EDMA 511 & EDMA 512	Lrng & Tchg Middle Grade Math and Comm and Assmt in Math Lrng	6
Electives:		
Select one:		3
EDMA 521	Leadership in Mathematics Educ	
EDMA 525	Currm Devt & Rsch in Math Ed	
EDMA 590	Topics in Math Education	
EDT 510	Teaching with Technology	
Total Credit Hours		9

III. Cognates

Code	Title	Credit Hours
Required:		
MATH 542	Geometry for Teachers	3
MATH 543	Algebra for Teachers	3
MATH 544	Data Anlsys, Prob&Stat for Tchrs	3
MATH 545	Number & Prop'l Rsng for Tchrs	3
Electives:		
Select one:		0-3
MATH 546	Discrete Math/Modeling for Tch	

MATH 547	Microcomp in Math for Teach	
MATH 549	Concepts of Calc for Teachers	
MATH 586	Sec School Math for Teachers	
MATH 591	Topics in Math for Teachers	
MATH 598	Indep Study in Math Education	
Total Credit Hours		12-15

Candidates who have not completed a college level precalculus or calculus course must do so.

To be recommended for the EX endorsement (teaching middle school mathematics), candidates must provide documentation that they have passed the Michigan Teacher Test for Certification (MTTC) elementary mathematics examination.