

MATHEMATICS MINOR FOR ELEMENTARY TEACHING

Updated April, 2011

The minor in Mathematics for Elementary teaching consists of a minimum of 22 credits. Candidates for certification in this minor must pass the Michigan Test for Teacher Certification (MTTC) in Elementary Mathematics (Test #89). You must demonstrate your knowledge in following categories:

Subarea	Approximate % of Questions on Test
1. Mathematical Processes & Number Concepts	28%
2. Patterns, Algebraic Relations & Functions	28%
3. Measurement and Geometry	22%
4. Data Analysis, Statistics, Probability, Discrete Math	22%

You may access a study guide at the MTTC testing site; the courses below have been selected and designed so that you will be well prepared for the test.

The following chart is intended to provide you a guide for scheduling your semesters and for keeping track of your grade point average.

100 LEVEL COURSES (8 credits) Choose at least 2 courses.

SUBJECT/ COURSE	TITLE	CREDIT HOURS	SEMESTER	GRADE
<i>Note: A student may not receive credit for both MATH 126 and MATH 131</i>				
MATH 123	A Study of Functions	4		
MATH 125	Calculus with Review I	4		
MATH 126	Calculus with Review II	4		
<i>Prerequisite for MATH 126: MATH 125 with C- or better.</i>				
MATH 131	Calculus I	4		
MATH 132	Calculus II	4		
<i>Prerequisite for MATH 132: MATH 126 or MATH 131 with C- or better, or AP or CLEP credit for Math 131.</i>				

200 LEVEL COURSES (10 credits)

SUBJECT/ COURSE	TITLE	CREDIT HOURS	SEMESTER	GRADE
MATH 205	Math for the Elementary Teacher I	4		
MATH 206	Math for the Elementary Teacher II	2		
MATH 210	Introductory Statistics	4		

MATHEMATICS ELECTIVES (4 additional credits)

SUBJECT/ COURSE	TITLE	CREDIT HOURS	SEMESTER	GRADE
Complete a minimum of 4 additional hours selected from other offerings in the Mathematics Department, or GEMS courses centered on mathematical topics.				
GEMS 100	Mathematics in Public Discourse	2		
MATH 207	K-8 Mathematics Software Applications	2		
MATH 208	Problem Solving for Elementary Teachers	2		
GEMS 105	Nature of Mathematics	2		