## MATHEMATICS MINOR FOR SECONDARY TEACHING

Updated February 2020

The **minor in Mathematics for Secondary teaching** (State Code: EX) consists of a minimum of 24 credits.

Teacher candidates for certification in Math at the Secondary level must pass the Michigan Test for Teacher Certification (MTTC) in Math (Test #022). MTTC content exams should not be taken until 90% of course work in the subject area has been completed. A study guide is available at the MTTC website: (<a href="http://www.mttc.nesinc.com/PDFs/MI\_field022\_SG.pdf">http://www.mttc.nesinc.com/PDFs/MI\_field022\_SG.pdf</a>).

The courses below meet State standards and have been selected so that teacher candidates will be well prepared for the test. Knowledge must be demonstrated in the following categories in order to successfully pass the MTTC subject area exam:

Subarea

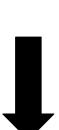
Approximate % of Questions on Test

#### UPPER LEVEL REQUIRED COURSES (12 credits)

SUBJECT/		SEM.	CR.	SEM.							
COURSE	TITLE	OFFERED	HRS.	TAKEN	SUBSTITUTION						
MATH 280	Bridge to Higher Mathematics	Both	3								
Prerequisite for MATH 280: Math 132 or High School Statistics											
MATH 311	Statistical Methods	Spring	2								
&											
MATH 312	Applied Statistical Models	Spring	2								
Proroquinito for MATH 241/242: Moth 422											

Fall 2

Prerequisite for MATH 311/312: Math 132 MATH 321 History of Math



# \*SAMPLE\* 36 Credit Major and MATH Minor

### FOR SECONDARY CERTIFICATION

#### 4 year plan

#### Note:

- 1. In order to student teach a minimum G.P.A. of 2.75 is required in your major, minor, education classes, and overall.
- 2. Students earning a Secondary Major must complete field placements in middle and high school, and in both major and minor areas of study.
- 3. Students earning a Secondary Major must complete field placements in racially/ethnically and socio-economically diverse classrooms.

Revised: November 2021

	Fall			Spring		Summer			
	CLASS	CR	ATTRIBUTES	CLASS	CR	ATTRIBUTES	CLASS	CR	ATTRIBUTES
	EDUC 200/201	4	ED/GLD	MATH 132	4	m	Language II	4	GE
3	EDUC 270	4	ED	Major	4	M			
2	KIN 140	2	GE	ARTS II	2	GE			
7	FYS	2	GE	ENGL 113	4	GE			
	MATH 131	4	M	Major	4	M			
L									
	Total	16		Total	18				
	CHII	4	GE/GLI	MATH 280	3	m	CHI	4	GE
L	MATH 231	4	m	ARTS I	4	GE			
		4	M	GEMS w/Lab	4	GE			
2	EDUC 225/226	4	ED	Major	4	M			
				REL I	2	GE			
ò									
	Total	16		Total	17				
	Major	8	M	Major	4	M	REL II	4	GE
	MATH 321	2	m	EDUC					
2		3	m	285/286	4	ED			
	EDUC 275/276	3	ED	Math 311	2	m			
				Math 312	2	m			
	1			Major methods	4	М			
	Total	40		Tatal	40				
	Total	16		Total	16				

EDUC 360/361 3 Major 8

Math 323/324

**EDUC 287** 

Total

SENIOR