

## Middle Grades Teaching, B.S. - Math/SS Concentrations

Freshman Year - 1st semester		Sophomore Year - 1st semester		Junior Year - 1st semester		Senior Year - 1st semester	
Courses	Hours	Courses	Hours	Courses	Hours	Courses	Hours
EDO 100	1	EDF 219	3	☞ EMS 300W	3	EMG 447	Fall only 3
EDC 106	3	CED 200	N/C	EDC 300	3	EMG 491	Fall only 3
EDF 203	3	Gen. Ed. 3A	3	CED 300	0.5	EMG 493	Fall only 3
CED 100	N/C	Gen. Ed. 3B	3	EMG 445*	Fall/summer only 3	CED 450	Fall only 1
SED 104 (GE 6)	3	MAE 202	3	EME 301/MAE 302	3	HIS 103 or	
ENG 101 (GE 1A)	3	☞ MAT 211 or 234 (GE 2) Fall only	3	Gen. Ed. 4	3	UD US History course	3
MAT 112 +	3	GEO 100 or 220	3	S.S. Elective (ELE 313 recommended)	3		
<b>Total</b>	<b>13-16</b>	<b>Total</b>	<b>18</b>	<b>Total</b>	<b>18.5</b>	<b>Total</b>	<b>13</b>
Freshman Year - 2nd semester		Sophomore Year - 2nd semester		Junior Year - 2nd semester		Senior Year - 2nd semester	
Courses	Hours	Courses	Hours	Courses	Hours	Courses	Hours
ENG 102 (GE 1B)	3	HIS 100	3	EDF 413	3	CED 499	12
HIS 102 (GE 5A)	3	ECO 130 (or 120, 230, 231)	3	EMS 490	3		
EDF 204	2	Gen. Ed. 4	3	CED 400	0.5		
STA 230	Spring only 3	MAE 305	Spring only 3	MAE 203	Spring only 3		
MAE 201	3	POL 100 or 101 (GE 5B)	3	HIS 101 or			
CMS 100 or 210 (GE 1C)	3	Gen. Ed. 6	3	UD Europe/Western course	3		
				MAE 303	Spring only 3		
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>18</b>	<b>Total</b>	<b>15.5</b>	<b>Total</b>	<b>12</b>

☞: Admission to professional education is required by this point in your program

+: MAT 112 is not required for majors who have 23 or above on the MATH portion of the ACT. HOWEVER, MAT 112 or above is a pre-req for MAE 201. during that first semester.

If students do not need MAT 112, MAT 211 should be taken. Please see notes below about students with MATH ACT scores of 23 and above.

☞: MAT 211 or 234 is required for the calculus content. HOWEVER, if majors think that they may eventually want to certify up to high school math, they should take MAT 234 instead of MAT 211.

\*: Course requires embedded clinical hours but is not hubbed with a CED course

Highlighted courses are hubbed. Candidates must register for and take these clusters of courses simultaneously.

Green highlighted courses are only offered in the semesters indicated.

NOTE: Candidates do have several choices within General Education. However, taking the prescribed courses where indicated will prevent candidates from having to take additional content required courses later.

Math Sequence for incoming math ACT below 22

Freshman fall: MAT 110

Freshman spring: MAT 112

Sophomore fall: MAE 201, MAT 211 or 234

Sophomore spring: MAE 202, STA 230

Junior Fall: EME 301/MAE 302

Junior Spring: MAE 305, MAE 203, MAE 303

MAT 112 is a prerequisite for MAE 201

MAE 201 is a prerequisite for MAE 202

MAE 202 is a prerequisite for EME 301/MAE 302

EME 301/MAE 302 is a prerequisite for MAE 203

EDF 204 is a prerequisite for MAE 305

### IMPORTANT NOTES from MATH DEPARTMENT:

Students with ACT math 23 or 24 who might want to certify up to high school: MAT 122 First Year Fall, MAT 234 Junior Year Fall OR First Year Spring and push the MAE 201/202 one semester ahead.

Students with ACT math 25 or higher who might want to certify up to high school: MAT 234 First Year Fall, MAT 244 Junior Year Fall OR First Year Spring and push the MAE 201/202 one semester ahead.

Students with credit for Calculus I from AP or dual credit: MAT 244 First Year Fall, MAT 239 Junior Year Fall

Advisors: Please ensure that Dr. Margaret Yoder is a supplementary advisor for your middle grades math emphasis students!