

Middle Grades Teaching, B.S. - Math/Science Concentrations

Freshman Year - 1st semester	
Courses	Hours
EDO 100	1
EDC 106	3
EDF 203	3
CED 100	N/C
SED 104 (GE 6)	3
ENG 101 (GE 1A)	3
MAT 112 +	3
Total	13-16

Sophomore Year - 1st semester	
Courses	Hours
EDF 219	3
EDC 200	N/C
EDF 204	2
→ MAT 211 or 234 (GE 2) Fall only	3
MAE 202	3
AST 135	3
PHY 102 Fall only	3
Total	17

Junior Year - 1st semester	
Courses	Hours
☼ EMS 300W	3
EDC 300	3
CED 300	0.5
EMG 445* Fall/summer only	3
EME 301/MAE 302	3
GEO 315 or 115	3
Total	15.5

Senior Year - 1st semester		
Courses		Hours
EMG 447	Fall only	3
EMG 491	Fall only	3
EMG 493	Fall only	3
CED 450	Fall only	1
BIO 590	Fall/summer only	3
Total		13

Freshman Year - 2nd semester	
Courses	Hours
ENG 102 (GE 1B)	3
HIS 102 or HIS 147 (GE 5A)	3
STA 230 Spring only	3
BIO 102 (GE 4)	3
MAE 201	3
CMS 100 or 210 (GE 1C)	3
Total	18

Sophomore Year - 2nd semester	
Courses	Hours
Gen. Ed. 3A	3
Gen. Ed. 5B	3
GLY 103 Spring only	3
MAE 305 Spring only	3
Gen. Ed. 6	3
CHE 100 Spring only	3
Total	18

Junior Year - 2nd semester	
Courses	Hours
EDF 413	3
EMS 490	3
CED 400	0.5
MAE 203 Spring only	3
EDC/TEC 314	3
MAT 303 Spring only	3
Gen. Ed. 3B	3
Total	18.5

Senior Year - 2nd semester	
Courses	Hours
CED 499	12
Total	12

☼: 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	MAT 112 is a prerequisite for MAE 201
Freshman fall: MAT 110	MAE 201 is a prerequisite for MAE 202
Freshman spring: MAT 112	MAE 202 is a prerequisite for EME 301/MAE 302
Sophomore fall: MAE 201, MAT 211 or 234	EME 301/MAE 302 is a prerequisite for MAE 203
Sophomore spring: MAE 202, STA 230	EDF 204 is a prerequisite for MAE 305
Junior Fall: EME 301/MAE 302	
Junior Spring: MAE 305, MAE 203, MAE 303	

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!