

**Middle Grades STEM Requirements  
B.Ed. Final**

<u>University Requirements</u>		<u>General Education Requirements</u> <i>(at least 2 departments must be represented in each area)</i>	
<b>Course</b>	<b>Hours</b>	<b>Course</b>	<b>Hours</b>
WU 101	3	Humanities	9 CN 150, HUM 2, HUM 3
EN 101	3	Social Sciences	9 PY 100, PY 211, SO 101
MA 112 (or higher) (require MA 116)	3	Natural Sciences	10 AS 104, BI 100, BI 101, PS 108
EN 300	3		
<b>Total</b>	<b>12</b>	<b>Total</b>	<b>28</b>

<u>Content Area Courses</u>		<u>Education Core Courses</u>	
MA 200 Number and Operation for Elementary Teachers	3	ED 155: Teaching Learning and Leadership*	3
MA 201 Geometry, Proportion and Data Analysis for Elementary Teachers	3	ED 285 - Educational Psychology	3
MA 281 History of Early Mathematics	1	ED 165: Ed. 1 – Examining Teaching as a Profession*	3
MA 140 Introduction to Statistics	3	ED 275: Ed. 2 – Exploring Teaching as a Profession*	3
MA 320 Math for Middle School Teachers	3	ED 295: Ed. 3 – Experiencing Teaching as a Profession*	3
MA 117 Trigonometry	3	ED 395: Ed. 4 – Extending Teaching as a Profession*	3
MA 204 Number Theory/Discrete	3	ED 354: Curriculum and Assessment*	3
ED 217 Intro to STEM Education	3	ED 302: Teaching Exceptional Learners	3
CH 317 Chemistry for STEM Educators	3		
ED 314 Chemistry Methods for STEM Educators	3	ED 415 Student Teaching	12 hours
PS 318 Earth/Space Science for STEM Educators	3		
ED 318 Earth/Space Science for STEM Educators	3		
BI 319 Life Science for STEM Educators	3		
EG 320 Engineering for STEM Educators	3		
ED 319 STEM Practicum I	1		
ED 321 STEM Practicum II	1		<b>36</b>
<b>Total</b>	<b>42</b>		

**(1 Elective required to meet 120 hours for graduation)**