

**B.A. to M.Ed. Elementary Education Program (5<sup>th</sup> Year) - STEM**  
**(Beginning with Fall 2018 Seniors)**

Courses		Credit
<b>Core</b>		
EDU 4566/5166	Using Data for Instructional Improvement	3
EDU 4511/5011	Technology Integration for Elementary STEM Based Programs	3
EDU 4540/5040	Diversity in Education: Societal and Organizational Perspectives	3
EDU 5060	Developing Leaders in 21 <sup>st</sup> Century Systems	3
<b>Instructional</b>		
EDU 4533/5133	Integrated Principles of Science and Social Studies Instruction	3
EDU 5130	Numerical Representation & Number Concepts in Elementary Mathematics	3
EDU 5137	Integrating STEM Instruction into the Elementary Classroom	3
EDU 5232	STEM Infused Principles of Robotics and Technology	3
EDU 5233	Connected Systems and Interdependence in Science	3
EDU 5234	Practicum Infused STEM Strategies for K-6 Classrooms	3
<b>Capstone Experience</b>		
EDU 5030	Methods of Educational Research	3
EDU 5300 <b>OR</b> EDU 5200	Product of Learning <b>OR</b> Thesis	3

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**Suggested Program of Study**  
*(This is a typical sequence of courses)*

Senior – Fall - Undergraduate		Senior – Spring - Undergraduate	
EDU 4533: Integrated Principles of Science and Social Studies Instruction	3	<i>During the spring semester students complete their Internship II.</i>	
EDU 4511: Technology Integration for Elementary STEM Based Programs	3	EDU 4566: Using Data for Instructional Improvement	3
EDU 4540: Diversity in Education: Societal and Organizational Perspectives	3		
<i>Remaining courses are to be taken from the methods block for senior elementary education majors.</i>		<i>Additional hours may be taken for students enrolled in the 5<sup>th</sup> Year Master's program or for those completing Evidence requirements (EDU 4111)</i>	1-3
Summer I (June) Graduate School		Summer II (July) Graduate School	
EDU 5130: Numerical Representation & Number Concepts in Elementary Mathematics	3	EDU 5060: Developing Leaders in 21 <sup>st</sup> Century Systems	3
EDU 5137: Integrating STEM Instruction into the Elementary Classroom	3		
8 Week Summer Session (June – July)			
EDU 5234: Practicum Infused STEM Strategies for K-6 Classrooms <i>*this course may also be offered during the May Mini Session</i>			3
Fall Semester Graduate School		Spring Semester Graduate School	
EDU 5030: Methods of Educational Research	3	EDU 5232: STEM Infused Principles of Robotics and Technology	3
EDU 5233: Connected Systems and Interdependence in Science	3	EDU 5300: Product of Learning <b>OR</b> EDU 5200: Thesis	3