

### M.Ed. Elementary Education Program - STEM

Courses		Credit
<b>Core</b>		
EDU 5011	Technology Integration for Elementary STEM Based Programs	3
EDU 5040	Diversity in Education: Societal and Organizational Perspectives	3
EDU 5060	Developing Leaders in 21 <sup>st</sup> Century Systems	3
EDU 5XXX	Design Thinking & Creative Thought	3
<b>Instructional</b>		
EDU 5130	Numerical Representation & Number Concepts in Elementary Mathematics	3
EDU 5133	Integrated Principles of Science and Social Studies Instruction	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)*

Fall Semester Year 1			Spring Semester Year 1		
EDU 5011: Technology Integration for Elementary STEM Based Programs	3		EDU 5XXX: Design Thinking & Creative Thought		3
EDU 5133: Integrated Principles of Science and Social Studies Instruction	3				
<b>Summer I (June) Year 1</b>			<b>Summer II (July) Year 2</b>		
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				
<b>8 Week Summer Session (June – July) Year 1</b>					
EDU 5234: Practicum Infused STEM Strategies for K-6 Classrooms <i>*this course may also be offered during the May Mini Session</i>					3
<b>Fall Semester Year 2</b>			<b>Spring Semester Year 2</b>		
EDU 5030: Methods of Educational Research	3		EDU 5232: STEM Infused Principles of Robotics and Technology		3
EDU 5040: Diversity in Education: Societal and Organizational Perspectives	3		EDU 5300: Product of Learning <b>OR</b> EDU 5200: Thesis		3
EDU 5233: Connected Systems and Interdependence in Science	3				