

M.Ed. Elementary Education Program - STEM

Courses		Credit
Core		
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 st Century Systems	3
EDU 5166	Using Data for Instructional Improvement	3
Instructional		
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
Capstone Experience		
EDU 5030	Methods of Educational Research	3
EDU 5300 OR EDU 5200	Product of Learning OR Thesis	3

M.Ed. Elementary Education Program - STEM

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 5166: Using Data for Instructional Improvement	3
EDU 5133: Integrated Principles of Science and Social Studies Instruction	3		
Summer I (June) Year 1		Summer II (July) Year 2	
EDU 5130: Numerical Representation & Number Concepts in Elementary Mathematics	3	EDU 5060: Developing Leaders in 21 st Century Systems	3
EDU 5137: Integrating STEM Instruction into the Elementary Classroom	3		
8 Week Summer Session (June – July) Year 1			
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 Year 2		Spring Semester Year 2	
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 OR EDU 5200: Thesis	3
EDU 5233: Connected Systems and Interdependence in Science	3		