

B.A. to M.Ed. Elementary Education Program (5th Year) - STEM

Courses		Credit
Core		
EDU 4566/5166	Using Data for Instructional Improvement	3
EDU 4511/5011	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
Instructional		
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
Capstone Experience		
EDU 5030	Methods of Educational Research	3
EDU 5300 OR EDU 5200	Product of Learning OR 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 EE#3	3		<i>During the spring semester students complete their Internship II.</i>		
EDU 4511: Technology Integration for Elementary STEM Based Programs EE#3	3		EDU 4566: Using Data for Instructional Improvement EE#5		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 5th 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 st 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 5040: Diversity in Education: Societal and Organizational Perspectives	3		OR EDU 5300: Product of Learning EDU 5200: Thesis		3
EDU 5233: Connected Systems and Interdependence in Science	3				