

### B.A. to M.Ed. Elementary Education Program (5<sup>th</sup> Year) - STEM

Courses		Credit
<b>Core</b>		
EDU 4511/5011	Technology Integration for Elementary STEM Based Programs	3
EDU 4540/5040	Diversity in Education: Societal and Organizational Perspectives	3
EDU 4560/5060	Developing Leaders in 21 <sup>st</sup> Century Systems <i>*Candidates can opt to take EDU 4560 in Spring Semester if Washington Center Experience is offered</i>	3
EDU 5030	Methods of Educational Research	3
EDU 5550	English Language Learners: Supporting Language Development	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
<b>Capstone Experience</b>		
EDU 5055	Design Thinking and Creative Thought	3
EDU 5234	Practicum Infused STEM Strategies for K-6 Classrooms	3
<b>Total Hours</b>		<b>36</b>

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#### Suggested Program Sequence

Senior – Fall - Undergraduate		Senior – Spring - Undergraduate	
EDU 4533: Integrated Principles of Science and Social Studies Instruction	3	EDU 4560: Developing Leaders in 21 <sup>st</sup> Century Systems (Washington Center)	3
EDU 4511: Technology Integration for Elementary STEM Based Programs	3		
EDU 4540: Diversity in Education: Societal and Organizational Perspectives	3	<i>During the spring semester students complete their Internship II.</i>	
<i>Remaining courses are to be taken from the methods block for senior elementary education majors.</i>			
<b>Maymester Online (only for those who do not participate in the Washington Center)</b>			
EDU 5060: Developing Leaders in 21 <sup>st</sup> Century Systems			3
Summer I (June Only) Graduate School		Summer II (July Only) Graduate School	
EDU 5137: Integrating STEM Instruction into the Elementary Classroom	3		
<b>8 Week Summer Session (June – July)</b>			
EDU 5234: Practicum Infused STEM Strategies for K-6 Classrooms			3
EDU 5233: Connected Systems and Interdependence in Science			3
Fall Semester Graduate School		Spring Semester Graduate School	
EDU 5030: Methods of Educational Research	3	EDU 5055: Design Thinking and Creative Thought	3
EDU 5130: Numerical Representation & Number Concepts in Elem. Mathematics	3	EDU 5550: English Language Learners: Scaffolding Language Development	3
		EDU 5232: STEM Infused Principles of Robotics and Technology	3