

Teacher Education and Learning Science (PhD): Elementary Education in Mathematics and Science (EEMS)

Degree Requirements

Degrees will be distributed as "Doctor of Philosophy" with certification specifications listed on the transcripts.

Code	Title	Hours	Counts towards
College Scholar Leader Core Courses		6	
ED 755	Scholar Leader: Diversity and Equity in Schools and Communities		
ED 756	Scholar Leader: Systemic Change in Education		
College Research Methods Courses		15	
Required Introductory Research Methods Courses		6	
ED 710	Applied Quantitative Methods in Education I		
ED 730	Introduction to Qualitative Research in Education		
Advanced Research Methods Courses (Select one course from the list below)		3	
ED 711	Applied Quantitative Methods in Education II		
ED 731	Advanced Qualitative Research and Data Analysis in Education		
ED 750	Mixed Methods Research in Education		
Advanced Research Methods Electives		6	

Select two courses from the list above or other advanced research methods courses approved by the student advisor.

Dissertation Research		9
ECI 895	Doctoral Dissertation Research	
Elementary Education in Mathematics and Science (EEMS) Teacher Education and Learning Sciences (TELS) Core Courses		6
ECI 735	Seminar on Teaching and Teacher Education	
ECI 736	Learning Sciences	
Elementary Education in Mathematics and Science (EEMS) Required Courses		12
ECI 723	Elementary STEM Learning in Informal Settings	
ECI 724	Professional Learning in Elementary STEM Education	
ECI 725	Examining Researchers and Teacher Educators as Learners: Developing practices of academic writing	
ECI 726	Action and Cognition in Elementary STEM Teaching & Learning	
Free Electives		12
Free Electives chosen in consultation with academic advisor.		
Total		60