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 Ho	ours
College Schola	r Leader Core Courses	6
In consultation v to meet this 6 ho	with their advisor, students may select other courses our requirement	
ED 755	Scholar Leader: Diversity and Equity in Schools and Communities	
ED 756	Scholar Leader: Systemic Change in Education	
College Resear	ch 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 Reservation list below)	arch Methods Courses (Select one course from the	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 Resea	arch Methods Electives	6
	ses from the list above or other advanced research s approved by the student advisor.	
Dissertation Re	esearch	9
ECI 895	Doctoral Dissertation Research	
Elementary Edu	ucation in Mathematics and Science (EEMS)	
Teacher Educa	tion and Learning Sciences (TELS) Core Courses	6
ECI 735	Seminar on Teaching and Teacher Education	
ECI 736	Seminar on 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		
ECI 726	Action and Cognition in Elementary STEM Teaching & Learning	
Free Electives		12
Free Electives chosen in consultation with academic advisor.		
Total		60