Science, Technology, Engineering, and Mathematics Education (MS): Engineering and Technology Education Concentration

Degree Requirements

Degrees earned will be distributed as: "Science, Technology, Engineering, and Mathematics Education (MS): Engineering and Technology Education Concentration**.**

Code	Title	Hours
Core Courses		**6**
EMS 573	Design of Tools and Learning Environments in STEM Education	
ECI 510	Research Applications In Curriculum and Instruction [1]	
Engineering and Technology Education Concentration Specialty Courses:		**27**
Required Courses (12 hours)		
TED 530	Foundations for Teaching Technology	
TED 552	Curricula for Emerging Technologies	
TED 555	Developing and Implementing Technology Education	
TED 558	Teaching Creative Problem Solving	
Specialty Content Courses (15 hours)		
Select from the following courses or select other courses with approval of advisor		
EAC 539	Teaching in the Online Environment	
EAC 551	Research in Adult & Higher Education	
EAC 559	The Adult Learner	
EAC 580	Designing Instructional Systems in Training and Development	
EAC 582	Organization and Operation Of Training and Development Programs	
EAC 585	Integrating Technology into Training Program	
ED 572	Teacher Leadership	
ECI 511	Introduction to Learning Design and Technology	
ECI 514	Developing and Delivering Online Instruction	
ECI 716	Design and Evaluation Of Instructional Materials	
ECI 719	Special Problems in Learning Design and Technology	
Research Experience Course:		**3**
TED 695	Master's Thesis Research	

Note: With advisor approval, students' thesis project may be a literature review, pilot or action research study - (started in TDE course and then expanded upon) or a research proposal.

Final Credit Hours	**36**

[1] Or another research methods course as approved by advisor (e.g., ST 511)

Faculty

Full Professors

Margaret R. Blanchard

Carla Johnson

Melissa Gail Jones

Soonhye Park

Eric N Wiebe

Associate Professors

Sarah J. Carrier

Cesar Delgado

Assistant Professors

K. C. Rogis Busch

Practice/Research/Teaching Professors

W. Matthew Reynolds

Emeritus Faculty

Glenda S. Carter

John H. Wheatley