

Graduate Certificate in Engineering Education

The Graduate Certificate in Engineering Education is designed to give all engineering graduate students an overview of current engineering education research topics and practices for teaching and learning in engineering. In particular, the goal of this certificate is to prepare engineering graduate students interested in pursuing faculty or K-12 STEM teaching positions and help them develop as a researcher and educator in engineering.

Degree Plan

Code	Title	Hours
Required Courses		
ENGR 5351	Eng Fund Thru Innovation	3
ENGR 5352	Design and Systems Eng Educ	3
ENGR 5353	Strategies For Eng Innovation	3
ENGR 5354	Sustaining 7-12 Eng Programs	3
Electives		
Select six hours from the following:		6
BED 5331	Found of Bil and Teach Emr Bil	
ENGR 5356	Leadshp & Entrep in Eng Career	
MTED 5318	Current Topics in Math Educ.	
SCED 5326	Curriculum in Secondary School	
SPED 5321	Cont. Trends in Cult & Ling SE	
TED 5303	Authentic/Perf Assess Clsrm	
Total Hours		18