

Science, Technology, Engineering, and Mathematics Education (PhD)

Graduate study in science, technology, engineering, and mathematics (STEM) education is offered through an interdisciplinary program that combines content preparation with educational research and scholarship, in a setting that fosters and supports tight links to educational practice. The program is anchored by a set of core courses addressing learning, instruction, curriculum, technology, equity, policy, and systemic reform in STEM education, at the elementary, secondary, and postsecondary levels. Coursework is chosen from departments in the College of Education, Cockrell School of Engineering, and College of Natural Sciences, as well as other appropriate University colleges.

Graduate Handbook

Graduate handbook information is updated and maintained by each program. Graduate handbooks are available within each program's office and [online](#). Please contact the program with concerns or questions.

Total Hours Required: 168 maximum

Requirements

Code	Title	Hours
Major		
Core sequence in science, technology, engineering, and mathematics education.		12
Hours chosen from: Science, technology, engineering, or mathematics. (Waived for students who enter the program with a master's degree in mathematics, one of the sciences, or engineering.)		12
Hours chosen from: Research methodology.		12
Research practicum		9
Hours chosen from: Special areas of interest or on emerging areas of research		6
Hours chosen from: Related curriculum consonant with scholarly interests (requires graduate advisor or faculty mentor approval)		6
Additional hours		105
STM 699W	Dissertation	6
All students must also follow the following requirements and policies:		
Graduate Education Requirements		
Graduate University Requirements		
Total Hours		168

Additional Requirements and Policy

Students must show evidence of related professional and academic experience. A more detailed description of all required courses is available in the STEM Education graduate handbook.