

Graduate Certificate in STEM Education

The Division of Science, Technology, Engineering and Mathematics (STEM) Education in the Teacher Education Department within the College of Education, has at its core, the preparation of today and tomorrow's educators for working with modern students in multicultural settings who need to find motivation and engagement in their learning. STEM Education faculty envision contributing to a bi-national region and a global community that supports all students—particularly those who encounter geographical and cultural borders on a daily basis—to engage in rich and rewarding learning experiences in science, technology, engineering, and mathematics education.

The Graduate Certificate in STEM Education is a fully online program designed for teachers, administrators and other education-related program leaders seeking to engage students at all levels in rich and powerful STEM learning experiences. This graduate-level certificate provides professionals with deep knowledge content in STEM disciplines along with practical approaches to impactful STEM education pedagogy in various educational settings.

Admission Requirements

Applicants must meet the following requirements:

- Completion and submission of a graduate admissions application;
- a bachelor's degree from an accredited university;
- hold a minimum 3.0 overall GPA;
- submit official transcript(s);
- submit a statement of purpose;
- submit 3 letters of recommendation; and
- submit a resume/curriculum vitae.

Degree Plan

Code	Title	Hours
Graduate Certificate in STEM Education - 15 hours		
Mathematics Education (select 3 SCH from the following menu)		3
MTED 5322	Ped Cntent Knowl in Teach Math	
MTED 5324	Authent Assess in Math Classrm	
TED 5319	Graduate Workshop In Education	
Science Education (select 3 SCH from the following menu)		3
SIED 5321	Sc Tools Stnd Tech Safty/Ethic	
SIED 5323	Societal Context of Sc Educ	
SIED 5325	Inquiry Sc Ed in Biling Settng	
TED 5319	Graduate Workshop In Education	
Educational Technology (select 6 SCH from the following menu)		6
EDT 5372	Web Tools for Construct Clsrm	
EDT 5373	Adv Productivity Tech/Clstrm	
EDT 5374	Pedagogy/Technology-rich Clstrm	
EDT 5375	Tech Assist Tools/Issue/Access	
EDT 5376	Assess Plan/Implment Tech Prog	
TED 5319	Graduate Workshop In Education	
Capstone (select 3 SCH from the following menu)		3
MTED 5318	Current Topics in Math Educ.	
MTED 5320	Rsrch-Based Pract in Math Clas	
Total Hours		15