UTEP ONLINE

ONLINE GRADUATE CERTIFICATE IN

STEM EDUCATION

PROGRAM HIGHLIGHTS

15credit hours

In-state tuition: $490/credit hour*

Out-of-state tuition: $575/credit hour*

** Tuition is based on current rates and is subject to change.**

- Available in an easily accessible 100% online format from UTEP's College of Education
- Responds to a national need for STEM educators
- Curriculum based on standards recognized by the State of Texas, the National Council of Teachers of Mathematics (NCTM), National Association for Research in Science Teaching (NARST), and International Society for Technology in Education (ISTE)
- Diverse and highly qualified STEM faculty plus a significant selection of diverse STEM education courses focused on educational approaches

BECOME AN INNOVATIVE EDUCATOR IN A HIGH-DEMAND FIELD WITH JUST 5 COURSES!

In recent years, there has been a significant increase in the number of children enrolled in STEM education programs in the United States and a corresponding need for highly qualified STEM educators. Accordingly, developing STEM educators who will be trained to use innovative approaches to teaching and learning in STEM disciplines is of utmost importance.

With this course you will learn how to

- increase STEM literacy
- develop better integrated and interdisciplinary approaches to teaching and learning
- develop better approaches to teaching of academic concepts through real-world applications
- combine formal and informal learning in schools, the community, and the workplace

Upon graduation, you may choose to teach in a STEM academy, charter or private school, or continue learning by applying these credits toward a Professional Master's degree from the College of Science or a Master of Arts degree from the College of Education.

Note: This program does not provide teaching certification.

READY TO CONNECT OR HAVE QUESTIONS?

Call **1-800-684-UTEP** to speak with an enrollment counselor today or visit us at **utepconnect.utep.edu**.

ADMISSIONS REQUIREMENTS

To qualify for admission into this program, you must have:

- A bachelor's degree from an accredited university
- An undergraduate GPA of 3.0 or greater (preferred)

YOU MUST ALSO:

- Complete and submit a graduate admissions application
- Submit official transcripts in accordance with the requirements of the Graduate School
- Provide a statement of purpose, three letters of recommendation and your resume/curriculum vitae

INTERNATIONAL STUDENTS WHOSE FIRST LANGUAGE IS NOT ENGLISH MUST ALSO SUBMIT:

- Official TOEFL (Test of English as a Foreign Language) score of at least 213 on the online version, or 550 on the paper-based version

CURRICULUM

As a student in the STEM Education graduate certificate program, you will choose from the menu of courses in Mathematics Education (MTED), Science Education (SIED), Educational Technology (EDT), and a capstone project. All courses are 14 weeks long. You must complete a total of 15 hours to graduate and may receive extra credit if you are involved in teaching students in STEM content areas.

MATH EDUCATION COURSES (3 HOURS EACH): SELECT ONE

MTED 5322 A	Pedagogical Content Knowledge in Teaching Mathematics (Quantitative Reasoning)
MTED 5322 B	Pedagogical Content Knowledge in Teaching Mathematics (Algebraic Reasoning)
MTED 5322 C	Pedagogical Content Knowledge in Teaching Mathematics (Geometric Reasoning)
MTED 5324	Authentic Assessment in Math Classroom
TED 5319	Graduate Workshop in Education (Math Education Topic)

SCIENCE EDUCATION COURSES (3 HOURS EACH): SELECT ONE

SIED 5321	Science Tools, Standards, Technology, Safety and Ethics
SIED 5323	Societal Context of Science Education
SIED 5325	Inquiry Science Education in Bilingual Settings
SIED 5312	Environmental Education
TED 5319	Graduate Workshop in Education (Science Education Topic)

EDUCATIONAL TECHNOLOGY COURSES (3 HOURS EACH): SELECT TWO

EDT 5372	Web Tools for the Constructivist Classroom
EDT 5373	Advanced Productivity Technologies for the Classroom
EDT 5374	Pedagogy in the Technology-Rich Classroom
EDT 5375	Technology, Assistive Tools and Issues of Access
EDT 5376	Assessing, Planning, and Implementing Technology Programs in EC-12
TED 5319	Graduate Workshop in Education (Ed Technology Topic)
SPED 5354	Atypical Childhood Development

CAPSTONE COURSES (3 HOURS EACH): SELECT ONE

MTED 5318	Current Topics in Mathematics Education (Learning Theories)
MTED 5320	Research-Based Practices in Mathematics Classroom

TOTAL CREDITS: 15

Note: Curriculum is subject to change.

UTEP ONLINE
THE UNIVERSITY OF TEXAS AT EL PASO

PHONE: 1-800-684-UTEP
EMAIL: utepconnect@utep.edu
WEBSITE: utepconnect.utep.edu

GO MINERS!