

STEM EDUCATION GRADUATE CREDIT CERTIFICATE PROGRAM

Person-in-Charge	Amy Voss Farris
Program Code	STEMED
Campus(es)	University Park

The STEM Education Graduate Credit Certificate program is designed for K-12 educators to advance their enactment of integrative pedagogies for science, advance technologies, engineering, and mathematics in their own professional contexts.

The four courses in the 12-hour graduate certificate series are designed to support teachers to adopt an ambitious vision of student learning in STEM disciplines and to create more equitable learning environments for all students. The learning objectives include (1) Develop and demonstrate an understanding of theoretical perspectives on learning and the nature of knowledge/knowing in STEM disciplines; (2) Design a learning experience or technology that contributes to a more equitable, inclusive, or justice-oriented vision of STEM education; (3) Demonstrate ability to plan learning experiences that elicit, assess, and productively build upon learners' diverse cognitive and cultural resources in STEM domains; and (4) Demonstrate ability to discuss STEM education research literature, policy, and standards related to teaching and learning in STEM disciplines and integrated STEM Education.

Effective Semester: Summer 2026

Expiration Semester: Summer 2031