

STEM PK-12 Endorsement

2026-2027

Student's Name _____

Student's ID Number _____

Entrance Date _____

Endorsement Course Requirements

12 credits

___	EDUC	551	Foundations of STEM Education and Integrated Curriculum Design	(3)
___	EDUC	552	Inquiry-Based STEM Pedagogy and Makerspace Education	(3)
___	EDUC	553	Teaching STEM in Elementary and Makerspace Environments	(3)
___	EDUC	554	Assessment and Technology Integration in STEM Education	(3)

Candidates for the Integrative STEM Education Endorsement must have earned a Level I or Level II instructional, supervisory, educational specialist, or an administrative certificate.

Students can apply for the PDE Endorsement after completing the course work. Application is submitted in the Teacher Information Management System (TIMS) that can be found on the PDE website like other certificate application.

Program Objectives

Upon successful completion of this program, a student will be able to:

1. Utilize a variety of instructional strategies.
2. Develop instructional plans and set goals based on the content to be taught/learned, knowledge of assigned students, and the instructional context.
3. Establish and maintain purposeful and equitable classroom environments.
4. Demonstrate integrity, ethical behavior, and professional conduct as stated in the *Pennsylvania Code of Professional Practice and Conduct for Educators* .