

# AI in STEM Education



# WPI

STEM  
Education  
Center

**Target Audience:** PK-16 educators, student-teachers

## Course Description:

This course explores how AI can shape the future of K–12 STEM education by providing educators with the skills and tools to effectively incorporate AI into their teaching. Participants will discover how AI can enhance learning experiences, simplify administrative tasks, and develop students’ critical thinking and problem-solving abilities. The course will also discuss the strengths and current limitations of existing AI technologies, providing practical advice on their appropriate use and the safeguards educators need to consider. Through interactive workshops, case studies, and discussions on ethical implications, the course focuses on making AI accessible and actionable for educators of all experience levels. No prior experience with AI is required. The course is designed as a virtual, interactive, and collaborative experience.

### This course awards:

▶ **PDP Certificate, 24 PDP’s** – awarded upon completion of the 4-day course and submission of coursework

OR

▶ **Graduate Credit, 3 graduate credits** (in lieu of PDPs)– awarded upon completion of the 7-day course & submission of course assignments

## Course Information:

PDP only Option	Graduate Credit Option*
<ul style="list-style-type: none"><li>• <b>Dates:</b> July 7-10, 2026</li><li>• <b>Time:</b> 8:45 am – 3:30 pm ET</li><li>• <b>Format:</b> Fully online via Zoom (<i>collaborative &amp; interactive</i>)</li><li>• <b>Final Project:</b> None</li><li>• <b>Registration Fee:</b> \$850</li><li>• <b>PDPs:</b> 24</li></ul>	<ul style="list-style-type: none"><li>• <b>Dates:</b> July 7-16, 2026 (no class on 7/13)</li><li>• <b>Time:</b> 8:45 am – 3:30 pm ET</li><li>• <b>Format:</b> Fully online via Zoom (<i>collaborative &amp; interactive</i>)</li><li>• <b>Final Project:</b> required and graded</li><li>• <b>Registration Fee:</b> \$1,515 (<i>includes a \$15 student fee</i>)</li><li>• <b>Graduate Credits:</b> 3</li></ul> <p>* This course counts as an elective course for the <a href="#"><u>MS in Integrated STEM Education</u></a> (MISE).</p>

Thanks to NSF grant #2046505, a \$500 stipend is available for participants who complete the course.

## Format, daily schedule & breaks:

The virtual PD will be conducted via Zoom and is designed to be collaborative and interactive.

- *Morning sessions will run from ~8:45-12:15; Afternoon sessions will run from ~1:00-3:30.*
- Each session will have at least one 10 min break; a 45-min lunch break is scheduled daily. We encourage participants to walk away from the computer during lunch break.

Visit our [website](#) to REGISTER.

For questions, contact Donna Taylor at [dltaylor@wpi.edu](mailto:dltaylor@wpi.edu)