

STEM Educator Certificate Course

- **Target Audience:** PK-12 educators and administrators
- **Dates:** July 27 - 31 from 8:30 am - 3:30 pm (appropriate breaks will be provided) with 2 follow-up sessions in Oct. and Nov. (attending follow up sessions remotely is acceptable)
- **Registration Fee:** \$720 (special rate for Worcester Public Schools educators; scholarships available) + additional \$780 for a graduate credit extension
- **Accommodation** on campus may be available for additional fee
- **PDPs/CEUs:** 60/6.0
- **Graduate Credit:** This course is offered as a **3-graduate credit** course from WPI (optional) As part of WPI's commitment to support full time PK-12 educators, the course is offered at a rate of \$500 per credit (total of \$1,500), which represents a 50% discount of the regular WPI tuition rate.

This course awards:

- ▶ **PDP Certificate** – awarded upon completion of the course and submission of a STEM Challenge, 60 PDP's
- ▶ **STEM Certificate** – awarded once your project meets the rubric for high quality STEM Challenges
- ▶ **Graduate Credit** – awarded upon completion of the course, submission of a STEM Challenge and submission of a research paper, 3 graduate credits



Description: The STEM Educator Certificate Course guides educators on a journey to design a high quality integrated STEM Challenge that aligns with standards/objectives for their classroom or program. The course engages participants in the following topics: the engineering design process, standard-alignment, technology

integration, diversity & equity in STEM, real world connection, building collaboration skills, as well as exploring numerous STEM resources. The course is led by experienced STEM educators who model cooperative learning and STEM pedagogy.

If you are a PK-12 educator looking to develop/update an integrated STEM lesson or looking to help others do so, this is the course for you! Classroom teachers of all subject areas, coaches, administrators and out of school time educators are all encouraged to register.

Graduate-credit requirement: In addition to the PDP level tasks, educators who sign up for the 3 graduate-credit extension will submit a research paper related to one of the topics addressed in the course (literature and guidance will be offered by the instructors).

Registration NOW OPEN!

For questions, contact Donna Taylor at dltaylor@wpi.edu