

Adjunct Faculty-STEM Education Center  
Worcester Polytechnic Institute

Direct Link: <https://www.AcademicKeys.com/r?job=257207>

Downloaded On: May. 21, 2025 9:02pm

Posted May 20, 2025, set to expire Jul. 3, 2025

**Job Title** Adjunct Faculty-STEM Education Center  
**Department** STEM Education Center  
**Institution** Worcester Polytechnic Institute  
Worcester, Massachusetts

**Date Posted** May 20, 2025

**Application Deadline** Open until filled  
**Position Start Date** Available immediately

**Job Categories** Adjunct Professor

**Academic Field(s)** Science Education  
Math Education  
Instructional Design/Technology

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**Job Description**

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**JOB TITLE**

Adjunct Faculty-STEM Education Center

**LOCATION**

Worcester

**DEPARTMENT NAME**

STEM Education - JM

**DIVISION NAME**

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Worcester Polytechnic Institute - WPI

### **JOB DESCRIPTION SUMMARY**

Worcester Polytechnic Institute's Teacher Preparation Program is seeking an adjunct faculty member to teach a course entitled "Supporting Diverse Learners in STEM Education". The successful candidate will teach a 7-week term course scheduled for C-term (Jan-March) each year, whose scope has been predetermined in accordance with the state of Massachusetts licensure requirements for teacher educator licensure programs.

This adjunct faculty position was created to provide an available applicant pool for the program, and applicants may be considered for other teaching roles as the need arises within the program, given appropriate qualifications and experience.

Qualified applicants will be contacted by the program. Finalists for the position will be asked to teach a demonstration lesson. Your application will remain in the pool until the posting closes. If you wish to be considered for positions beyond that date, then you must reapply.

### **JOB DESCRIPTION**

Supporting Diverse Learners in STEM Education is an interdisciplinary course that integrates educational psychology and cognitive science to equip pre-service STEM educators with strategies that support diverse learners in K-12 settings that are aligned with the Massachusetts Department of Elementary and Secondary Education (DESE) Candidate Assessment of Performance (CAP) for pre-service teachers. Students will explore cognitive load theory, differentiated instruction and Universal Design for Learning (UDL), applying these concepts to enhance student engagement and outcomes for students with disabilities.

The course emphasizes the role of social learning theory and cognitive developmental theory in shaping student behavior and motivation. Culturally responsive teaching practices, trauma-informed approaches and collaboration with families and communities are also key components that will be explored through case studies, classroom observations, and scenario-based role plays. Students will develop practical skills in instructional lesson design and implementation and demonstrate their knowledge and understanding of course learning objectives through a final project that aligns coursework to real-world teaching scenarios.

The ideal applicant will hold an advanced degree in a related discipline with relevant practical experience, in addition to experience in K-12 education. Experience teaching undergraduate or

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graduate students is desirable, as is a background and experience in supporting students with diverse learning needs. A stipend of \$6,500 has been allocated for this position. Application review will begin August 14th and continue until a suitable candidate is secured for the position.

Required Documents: Cover Letter, Resume, Teaching Philosophy statement

### **FLSA STATUS**

United States of America (Exempt)

**WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. It seeks individuals from all backgrounds and experiences who will contribute to a culture of creativity, collaboration, inclusion, problem solving, innovation, high performance, and change making. It is committed to maintaining a campus environment free of harassment and discrimination.**

**To apply, visit:** [https://wpi.wd5.myworkdayjobs.com/en-US/WPI\\_External\\_Career\\_Site/job/Worcester/Adjunct-Faculty-STEM-Education-Center\\_R0003158](https://wpi.wd5.myworkdayjobs.com/en-US/WPI_External_Career_Site/job/Worcester/Adjunct-Faculty-STEM-Education-Center_R0003158)

### **About WPI**

WPI is a vibrant, active, and diverse community of extraordinary students, world-renowned faculty, and state of the art research facilities. At WPI, we have competitive and comprehensive benefits, including health insurance, long-term care, retirement, tuition assistance, flexible spending accounts, work-life balance and much more.

### **Diversity & Inclusion at WPI**

WPI is committed to creating an inclusive workplace where everyone feels valued and respected; a place where every student, faculty and staff member can be themselves, so that they can study, live, and work comfortably, to reach their full potential, and make meaningful contributions in order to meet departmental and institutional goals. WPI thrives on innovative practice and welcomes diverse perspectives, insight, and people from diverse lived experiences, to enhance the community environment and propel the institution to the next level in a competitive, global marketplace.

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**Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact**

N/A

Worcester Polytechnic Institute

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