

stEm PEER Academy

ENGINEERING

PLUS

An NSF INCLUDES Alliance

Partnerships Launching Underrepresented Students

“Be the change you want to see in the world.”

-Mahatma Gandhi

Are you a mid-career education professional engaged or driven to improving the preparation, participation, and contributions of those underrepresented in science and engineering? Would you like to join a community of like-minded professionals committed to and with the resources to change the face of our national engineering landscape? If so, we encourage you to apply to the Engineering PLUS Alliance stEm* PEER** Academy.

*E is for our Engineering focus

**Practitioners Enhancing Engineering Regionally

stEm PEERs will engage in a 2-year professional development and research experience to support the design and implementation of an engineering-focused Implementation Project at their home institution.



PEERs will have the opportunity to learn and engage with program experts, researchers, and practitioners. Throughout the 2-year engagement, participants will deepen their knowledge and understanding of the challenges and successful strategies guiding

the transformation of our national Engineering landscape. PEERs will utilize data and assessment to develop an action plan that will inform their specific implementation efforts at their respective institutions and beyond. PEERs will also be guided and supported to submit project outcomes as publications to LSAMP, ASEE and/or the National INCLUDES Network to inform future broadening participation collaborations. PEERs will launch a growing national community of engineering education equity leaders.

Each program participant will receive a \$1,000 stipend to support their participation and continued engagement in this effort.

Engineering PLUS is funded by the National Science Foundation (NSF) as a part of the NSF INCLUDES (Inclusion Across the Nation of



Communities of Learners of Underrepresented Discoverers in Engineering and Science) Program.

NSF INCLUDES is a national initiative to strengthen U.S. global leadership by broadening participation in Science, Technology, Engineering and Mathematics (STEM) and thereby reaping the benefits of a more diverse, and innovative workforce.

The Engineering PLUS Alliance seeks to train, empower, resource and support a national network of stEm PEERs (educational change agents) who will accelerate implementation of high-impact, evidence-based practices to increase the number of engineering degrees awarded annually to women and BIPOC (Black, Indigenous, and Other People of Color).

Key Dates:

Applications: Open December 1, 2023

Deadline: April 10th, 2024

Notification: Accepted applicants will be notified no later than April 17th, 2024.

Orientation: Attend virtual Orientation, TBD

Institute: Will run virtually 11-2 pm (Eastern Time), each day beginning on May 21-22, May 28-29, and June 4-5

Monthly: Attend virtual 60 min sessions & complete required program updates (July 2024 – May 2025)

Required Documents: Resume, 2 Recommendations, and essay in response to the following questions:

"What is one evidence-based strategy or program that you believe has the potential to be most beneficial for this population of students (BIPOC and/or women)?"

"How could you implement this strategy or program at your own institution?"

The stEm PEER Academy will investigate these topics in 2023:

- 1 Understanding the Engineering Education Pathway Landscape with emphasis on Diversity, Equity and Inclusion.
- 2 Models and interventions that facilitate enrollment and degree attainment for women and BIPOC students.
- 3 Building partnerships and engaging stakeholders.
- 4 Planning, implementing assessing, and scaling of evidence based practices.



For information please scan and/or visit our website

[https://
engplusalliance.northeastern.edu
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