

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

<https://engplusalliance.northeastern.edu>

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 2-year effort.

Applications due: March 20, 2024

Virtual Orientation: April 30, 2024 12pm-1pm (ET)

Virtual Academy: 11am-2pm (ET) May 21, 22, 28, 29; June 4, 5

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

Application Deadline: March 20, 2024

Notification of Acceptance: April 17, 2024

Data Workshop: May 9, 2024 12-1:30pm (ET)

Virtual Orientation: April 30, 2024 12-1pm (ET)

Virtual Institute: 11-2 pm (ET), May 21, 22, 28, 29, 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:

- 1 Understand the engineering education pathway landscape with emphasis on Diversity, Equity and Inclusion.
- 2 Utilize data (IPEDS, etc) to inform your broadening participation efforts for women and BIPOC engineering education pathways.
- 3 Engage in models, interventions, and evidence-based practices that have been proven to support engineering degree attainment for women and BIPOC students at community colleges, public and private institutions.
- 4 Build partnerships to engage stakeholders at your institution, region, and nationwide.
- 5 Develop an Action Plan to implement at your institution (or with other institutions) during the 2024-2026 academic years.

For More
Information

