

# stEm PEER Academy

## ENGINEERING PLUS

"Be the change you want to see in the world."

—Mahatma Gandhi



<https://engplusalliance.northeastern.edu>

An NSF INCLUDES Alliance  
Partnerships Launching Underrepresented Students

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 and engineering technology 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 29, 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 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 and engineering

technology degrees awarded

annually to women and BIPOC

(Black, Indigenous, and Other

People of Color).



## Key Dates:

**Applications:** open December 1, 2023

**Application Deadline:** March 29, 2024

**Notification of Acceptance:** April 17, 2024

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

**Data Workshop:** May 9, 2024 12-1:30pm (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 and engineering technology 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



web: [engplusalliance.northeastern.edu](http://engplusalliance.northeastern.edu)