



CEER Quarterly Update

January 2025

Center for Engineering Education & Research (CEER)
College of Education & Human Development
University of North Dakota

Welcome from CEER

Hello friends of CEER! Welcome to the first edition of our quarterly update. These newsletters will be released in September, November, January, and March to keep you informed and connected. In this issue, you'll find updates on our recent activities, ways CEER can support your work, upcoming grant opportunities, helpful resources, and how to contribute to future editions.

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What Has CEER Been Up To?

- **CEER is officially one year old!** It has been a busy year as we work to get our center established and productive. Here are a few items we have been working on and accomplishments we have had over the past year!
- Currently working on state-level center designation (application being submitted this semester)
- We have hired our own grants analyst – welcome to [Rosemary Schultz!](#)
- Welcomed a phenomenal post-doctoral scholar, [Caitlin Brecklin](#)
- Hired two fantastic graduate student researchers –**Adesola Adetunji** and **Sike Olateru-Olagbegi**
- Designed and approved our first course: TL 577 Introduction to Engineering (offered as part of our MSTL in CEHD starting in Fall 2025)
- Collaborating on the development of several NSF grants that are pending submission or under review:
 - DRK12 STEM STRONG expansion with WestEd, University of Wyoming, Purdue University
 - DRK12 Project ExCEED expansion – CEHD and CEM
 - INCLUDES Collaborative Change Consortia with AISES (Advancing Indigenous People in STEM)
 - EPSCoR Research Fellows with Montana State University
 - IUUSE - CEM
 - RFE collaboration with Georgia Southern University
 - R2I2 with the University of Wyoming
 - E-RISE – CEHD, Social Sciences, Atmospheric Sciences
- CEER also participated in outreach events including:
 - CEHD's SEA OTRR
 - Fall Open House
 - Grand Forks' Hands-On Learning Fair
 - Office of Extended Learning's Lifelong Learning offering: *From Sustainable Seed Collection to Efficiency in Garden Design*
 - UND STEM Conference

We are always looking for more ways to connect with community events, so please share any ideas you have or ways we can contribute to such activities!

How Can CEER Support You?

CEER aims to provide collaboration and support related to interdisciplinary engineering education research and outreach.

We would love to connect with you about:

- Project design and proposal development
- Evaluation support for STEM projects
- Broader impacts support
- Connections to local PK-12 schools and REA's
- Educator professional development design and delivery
- Educational research methodologies
- Resource development and acquisition
- Anything else you would like to work with us on!

Upcoming Grant Opportunities

Here are a few solicitations that are upcoming related to STEM education research. Please reach for more information about developing proposals for any of these!

Opportunity	Deadline
Broadening Participation in Engineering (BPE)	Accepted anytime
Research in the Formation of Engineers (RFE)	Accepted anytime
EHR Core Research: Building Capacity in STEM Education Research	February 28, 2025
NSF Boosting Research Ideas for Transformative and Equitable Advances in Engineering (BRITE)	March 3, 2025
Expanding AI Innovation through Capacity Building and Partnerships (ExpandAI)	March 10, 2025
Innovations in Graduate Education Program	March 25, 2025
IUOE/Professional Formation of Engineers: Revolutionizing Engineering Departments	April 8, 2025
NSF Trailblazer Engineering Impact Award	April 15, 2025

Resources

[EER Community Resource](#): A great site featuring resources that NSF engineering education program directors are making publicly available, including publications, webinars, funding opportunities, and ways to connect with their expertise.

[Introducing Engineering in K- 8 Settings](#): Written by Meredith Portsmore, Director of Tufts University's Center for Engineering Education and Outreach (CEEO). We can't wait to get our copy!

[ASEE's Engineering for One Planet \(EOP\)](#): Resources for infusing sustainability across engineering programs.

Want to Add to the Next Update?

Interested in connecting with us or contributing to our March 2025 issue?

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