

MICROMESSAGING

to Reach and Teach Every Student™



NAPE
National Alliance for
Partnerships in Equity

EESTEM II Application –2017-2018

Overview

The NAPE Education Foundation has received funding through the National Science Foundation Advanced Technician Education (ATE) Program (DUE 1601548) to implement **Educators Equity in Science, Technology, Engineering, and Mathematics (EE-STEM) Academy Phase II** to deliver a rigorous *ATE Professional Development for Educators* program to community college faculty in technician education programs and community college and high school faculty who teach gateway courses that feed into technician education programs. For this exciting new project, Dona Ana Community College in Las Cruces, New Mexico and Stark State College in Canton, Ohio (SSC) will serve as host sites for training.

The goal of this grant is to develop an effective model for delivering a high-quality professional growth opportunity nationally with fidelity for 200 community college science, technology, engineering, and mathematics (STEM) technician education faculty and their colleagues teaching college and secondary gateway courses to enhance their teaching skills and practices leading to improved academic outcomes for students, especially those historically underrepresented in STEM by gender, race and ethnicity, and special population status, including students with disabilities.

The EE-STEM Academy Phase II (EESTEM II), will use the *Micromessaging to Reach and Teach Every Student™* program, which delivers a rigorous professional development (PD) program for educators through four components: (1) a 4-day (28 hour) **Summer Institute** in a central location (either Dona Ana Community College in Las Cruces, New Mexico or Stark State College in Canton, Ohio), (2) eight structured and facilitated monthly **Professional Learning Communities** (PLCs) hosted in the academic year, (3) **Tools and Resources** that are easily available to the participants and support and enhance the work begun at the Institute, and (4) a **Capstone Presentation** hosted at the same location as the initial training at the conclusion of the academic year for educators to present their selected strategy and the impact of their strategy on student outcomes to colleagues, administrators, and the Grant Leadership Team.

EE-STEM II will be delivered as follows:

- Summer Academies:
 - July 17-21, 2017 at Stark State College in Canton, Ohio
 - August 7-11, 2017 at Dona Ana Community College in Las Cruces, New Mexico
- Professional Learning Community Engagement: September 2017 to May 2018 (eight meetings)
- Capstone Presentation: Summer 2018 (date to be determined)

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EESTEM II Application – Cohort 1 (2017-2018)

The *Micromessaging to Reach and Teach Every Student™* program was developed to serve technician education faculty and high school career technical education teachers and was piloted through an NSF grant (DUE # 1104163) to create an equitable and inclusive student experience. *Micromessaging* has demonstrated significant success in improving faculty attitudes, intentions, and behaviors that have transformed their teaching practices, which has had a demonstrated impact on student outcomes in multiple class settings.

Dona Ana Community College in Las Cruces, New Mexico (DACC) and Stark State College in Canton, Ohio (SSC) will host the *Micromessaging* program to serve 100 community college and secondary educators representing community colleges from across the US.

These activities will evaluate the implementation feasibility and program fidelity to improve educator performance, build a community of practice with a minimum of 10 additional educators per site, create more equitable college cultures, and improve participation, performance, and/or persistence (retention) among students, especially those from groups historically underrepresented in STEM CTE by gender, race and ethnicity, and special population status, including students with disabilities.

A site is defined as a community college based STEM technician education program that would qualify as such under the NSF ATE program. The five to eight participating educators will agree to reach out to ten additional educators (administrators, faculty, counselors, or staff) on their campus to engage, develop, and support their implementation strategy.

Participants will be required to participate in all research and evaluation activities for themselves and their campus collaborators to achieve the goals of the grant and in return the grant will cover participant travel, per diem, and a stipend for incidentals of \$750 (\$400 after the Institute and \$350 at the Capstone completion).

Application procedures

A minimum of five (5) or a maximum of eight (8) faculty in STEM technician education programs, including secondary faculty who teach gateway courses, will participate in Cohort 1 of the EESTEM II Academy.

One individual from each team will be designated as *Site/Professional Learning Community facilitator*. This individual will participate in all training, and they will be trained by NAPE to facilitate professional learning communities, specific to the EE-STEM II Academy at their institution over the course of the project (eight PLC meetings at a minimum).

Leadership training will be provided at the Summer Institute and through monthly PLC Technical Assistance. Additional funds will be provided to this individual to support the time needed to lead the PLCs. The PLC/site facilitator will ensure that the strategy to integrate and implement the EE-STEM Academy knowledge and resources from departments to the top college leadership is achieved.

Additional site selection criteria include the following:

- Support of the college leadership for faculty innovation on campus and in the classroom

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- Demonstration of the colleges' equity focus as a priority
- Demonstration of support for professional development for all faculty
- Willingness and ability to engage at least 10 other faculty or administrators in the program, department, or campus upon returning to the campus in order to build sustainability and disseminate the work (Please note: this is not a “train the trainer” process; rather, the goal of the grant is for participants in the professional development to share their learning with colleagues so to build a community of practice and sustain efforts in creating an equitable learning environment in CTE classrooms.)
- Level of personal interest in equity as described in a brief narrative
- Willingness and availability to participate in all aspects of the program from online meetings to professional development, and all assessment and evaluation
- Interest in conducting on-campus and community-based presentations and publications
- Willingness or interest in presenting nationally, posting blogs, or writing a publication to a peer-reviewed or popular journal

Application

Please use this link to connect to the application form: <https://goo.gl/forms/gzevE2iv4h57mfJW2>

Application Deadline: **Friday, March 24, 2017**

Thank you for your application. Institutions selected for participation will be informed **by the end of March 2017**.

If you have any questions or need assistance with the application, please contact:

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