The Opportunity at Community Colleges to Leverage NSF ATE Grants

WEBCAST/PODCAST
FEBRUARY 10, 2023

ccpi-stem.org

1

Welcome

- Today's Speaker

    - Shane S. Kirby
Director, Advancement Partnerships, Columbus State Community College;
Grant Module Curriculum Developer, CCPI–STEM;
Executive Director, 10,000 Small Businesses Program Columbus

    - Led development on 16 awarded NSF ATE grants since 2014.

- Today's Moderator

    - Dr. Elizabeth K. Hawthorne,
CCPI–STEM Co–PI, Senior Professor Emerita, Union College, NJ

Topics Today

1. Why grants are important to community colleges?

2. How can the NSF ATE Program help your institution?

3. What role can executive leadership play in organizing to apply for a grant?

4. What resources are available to help apply for and secure an NSF ATE grant?

5. Questions & Answers

Why are grants important?

"Grants are an excellent catalyst for innovation within your institution and a mechanism to identify innovative leaders. Grant involvement can detect who the faculty leaders might be and who other thought partners might be at your institution. This can be especially important for individuals in new leadership roles."

Dr. David T. Harrison, President
Columbus State Community College

Why are grants important?

- Fund large initiatives that align to your strategic plan

- Venture capital to invest in new technologies or innovative programs

- Explore new delivery or support mechanisms

- Grants can fund small initiatives or large projects.

- Colleges and the project staff who receive government grants will find it easier to raise additional money from other government and private sources.

- Grants can be prestigious and give you and your college credibility and public recognition.

The NSF ATE Program Opportunity

- Technician level curriculum development (to create a new course, technology thread, certificate, or degree program)

- Procure or enhance equipment to train technicians in new and innovative ways

- Launch a new or expanded technician development program

- Develop collaboration with other colleges and the NSF community and industry to expand the intellectual merit within an area

- Create and expand equity best practices for underserved students

The NSF ATE Program Opportunity

- **Tracks for Funding**:
    1. Small Projects for Institutions New to ATE
    2. Projects
    3. Consortia for Innovations in Technician Education
    4. Centers
    5. Applied Research on Technician Education.

- **Deadline:** October 05, 2023
- **RFP:** NSF 21-598
- As an additional reference, please see the **Proposal Preparation Checklist** from ATE Central: https://atecentral.net/r29903/evaluation_planning_checklist_for_nsf-ate_proposals

Organizing Your College To Apply For NSF ATE

- Determine priorities

- Organize your team

- Develop a concept paper

- Research what has been funded

- Share concept with program officers, current centers, and potential mentoring programs

- Engage resources to help you write the proposal

Organizing Your College To Apply For NSF ATE

- Determine priorities
  - What do you want to accomplish and how does it align to your mission?
- Organize your team
  - **Project Champion**. Every project must have a champion-usually the originator or owner of the project. He or she often becomes the project director or a principal investigator.
  - **Executive Advocate**. Executive-level staff involvement in prioritizing and supporting the project.
  - **Support Team**. Administrative support staff in many departments facilitate communication, organize meetings, and assist with the internal processes and final production of proposals.
  - **External Partners**. Partnerships with other educational institutions, nonprofits, industry and governmental organizations often are needed to shape and meet project goals.
  - **Other Partners**: Consultants, Evaluator, Financial Team

Organizing Your College To Apply For NSF ATE

- Develop a concept paper (1-2 pages)
  - What is your big idea?
  - What is the problem you are solving and why is that important?
  - How you will solve the problem? (goals with a few key activities)
  - How the project will benefit the college and broader college community?

Organizing Your College To Apply For NSF ATE

- Research what has been funded
  - Search the database of NSF awards for ATE grantees doing similar work using the following link: www.NSF.gov/awardsearch
  - Enter "Advanced Tech Education Prog" in the Program field, and then a keyword related to your search. For instance, you could enter "cybersecurity" to search for related grants that have been funded by the ATE program.

- Share concept with program officers, current centers, and potential mentoring programs

Resources Available to Community Colleges

- CCPI-STEM Resources: https://www.ccpi-stem.org/resources/

- AACC MentorLinks: https://www.aacc.nche.edu/programs/mentorlinks/

- FORCCE-ATE: https://www.forcce-ate.org/

- Mentor-Connect: https://www.mentor-connect.org

- MentorUp: https://atementorup.org/

- Pathways to Innovation: https://www.pathwaystoinnovation.org/

- Project Vision: https://projectvis.org/

- ATE Central: https://atecentral.net/

- EvaluATE: https://evalu-ate.org/

Grant Modules Curriculum

- CCPI-STEM is creating curricular modules that will be adopted in select community college leadership doctoral programs and leadership institutions to address STEM workforce education and funding issues.

- **Four Modules:**

  1. Introduction to Grant Strategy

  2. The NSF ATE Program

  3. Grant Partnerships

  4. Grant Lifecycle and Deployment Tactics

Questions / Comments

ccpi-stem.org

leadership@ccpi-stem.org

twitter.com/CCPI_STEM

linkedin.com/company/community-college-presidents-initiative/