CCPI ATE STEM

Achieving Excellence in Workforce Education

NSF ATE Mentoring and Other Opportunities

WEBCAST/PODCAST
OCTOBER 18, 2024
1:00 – 2:00 PM ET

ccpi-stem.org/webcasts-podcasts/

PRINCE GEORGE'S COMMUNITY COLLEGE

Funded by the National Science Foundation award #2132510

CCPI ATE STEM
Achieving Excellence in Workforce Education

Welcome and Introductions

Today's Speakers and Moderator

- Elaine Craft, PI Mentor-Connect, Florence-Darlington Technical College, SC, PI and Co-PI of other ATE grants
- Pam Silvers, Co-PI Mentor-Connect, Florence-Darlington Technical College SC, Retired Professor, Asheville-Buncombe Technical Community College
- Dr. Karen Wosczyna-Birch, PI Mentor Up, PI National Center for NextGeneration Manufacturing
- Dr. Elizabeth K. Hawthorne, PI FORCCE-ATE, Co-PI CCPI-STEM, Senior Professor Emerita of Computer Science and Cybersecurity, Union College, NJ

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Today's Topics

1. Overview of CCPI-STEM, Dr. Charlene Dukes, Co-PI CCPI-STEM
2. NSF ATE Instructional Modules by CCPI-STEM
3. How can the National Science Foundation ATE program help your institution?
4. Why connect with an ATE mentoring initiative?
5. Mentoring initiatives to help community colleges apply for ATE grants
    1. Mentor-Connect
    2. Mentor Up
6. Questions & Answers & Poll

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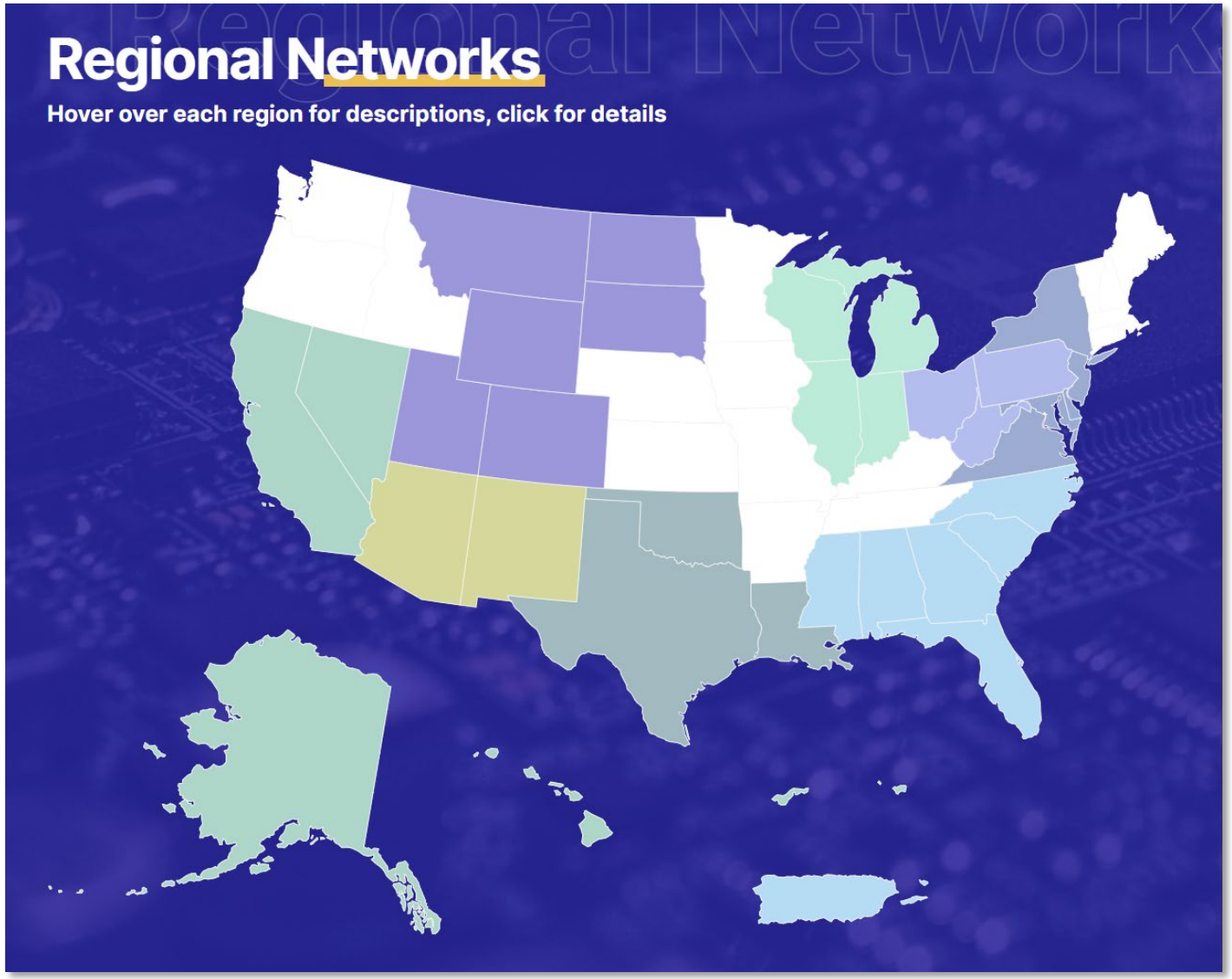

Key Initiatives of CCPI-STEM

CCPI-STEM initiative focuses on advancing STEM workforce education, and promoting the NSF Advanced Technological Education (ATE) program

- Establishment of community college Regional Networks for advancing STEM workforce education and encouraging academic and business partnerships
- CCPI-STEM Fellows Program
- Development of NSF ATE instructional modules for inclusion in community college leadership graduate programs and leadership institutes
- Dissemination: National, Regional, Local levels
  - e.g., CCPI-casts, Presidents' Press, Conferences, Thought Leaders Dialogues w/ League for Innovation

How can the NSF ATE program help your institution?

- Curriculum development, including programs/certificates/certifications/ courses/capstone experiences
- Equipment
- Program(s) aimed at improving student retention and success
- Faculty professional development
- Collaborative program(s) with business and industry
- High school student and/or teacher development and outreach programs

Why Connect with an ATE Mentoring initiative?

- Pairs mentees with mentors with extensive experience in the ATE program
- Mentors have had numerous ATE grants and/or are former ATE program officers
- Focuses on successful strategies for competitive proposal development
- Guides proposal writing for all sections
- Includes information on budget preparation and evaluation
- Helps with Research.gov, including all the required NSF forms
- Provides examples of successful ATE proposals
- Keeps informed about changes to the ATE program solicitation and PAPPG

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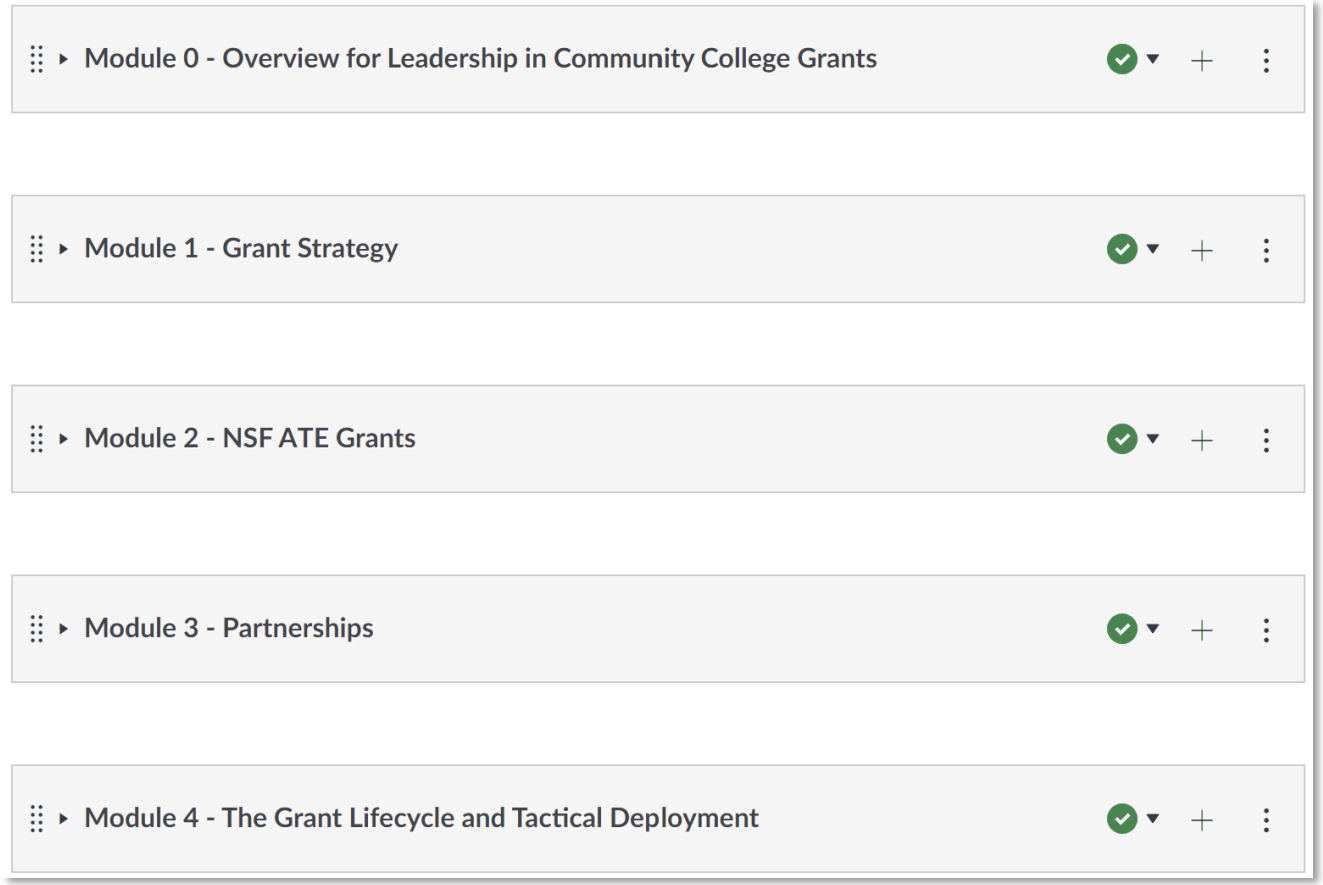
Brief Demo of NSF ATE Training Modules



- ✓ Developed by Shane Kirby, Grants Director, Columbus State Community College
- ✓ Located on Canvas LMS canvas.instructure.com/courses/6299590
- ✓ For access email Beth at ekhawthorne@gmail.com
- ✓ Send feedback to Shane at shaneskirby@gmail.com

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2 NSF ATE Mentoring Initiatives to Assist Your College

- **Mentor-Connect**
  mentor-connect.org

- **Mentor Up**
  atementorup.org

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Mentor-Connect Initiative

MENTOR CONNECT

DIRECTION
TRAINING
SUPPORT
MENTORING
MOTIVATION
GOAL
SUCCESS

Introductions

Elaine Craft
Principal Investigator, Mentor-Connect: Leadership Development and Outreach for ATE
Florence-Darlington Technical College, SC

President, Elaine L. Craft Educational Consulting, L.L.C
Email: elaine.craft@fdtc.edu

Pamela Silvers
Co-Principal Investigator
Mentor-Connect: Leadership Development and Outreach for ATE
Florence-Darlington Technical College, SC

Retired Professor:
Asheville-Buncombe Technical Community College
Email: pamela.silvers@fdtc.edu

MENTOR CONNECT

Mentor-Connect helps you compete for NSF ATE grant funding to improve technician education and develop as leaders

MENTOR CONNECT

Mentor-Connect Overview

- Work one-on-one with an experienced Mentor
- Learn in a cohort with others who are new to ATE
- Understand NSF/ATE Requirements
- Develop skills in
  - Project development & proposal structure
  - Proposal writing

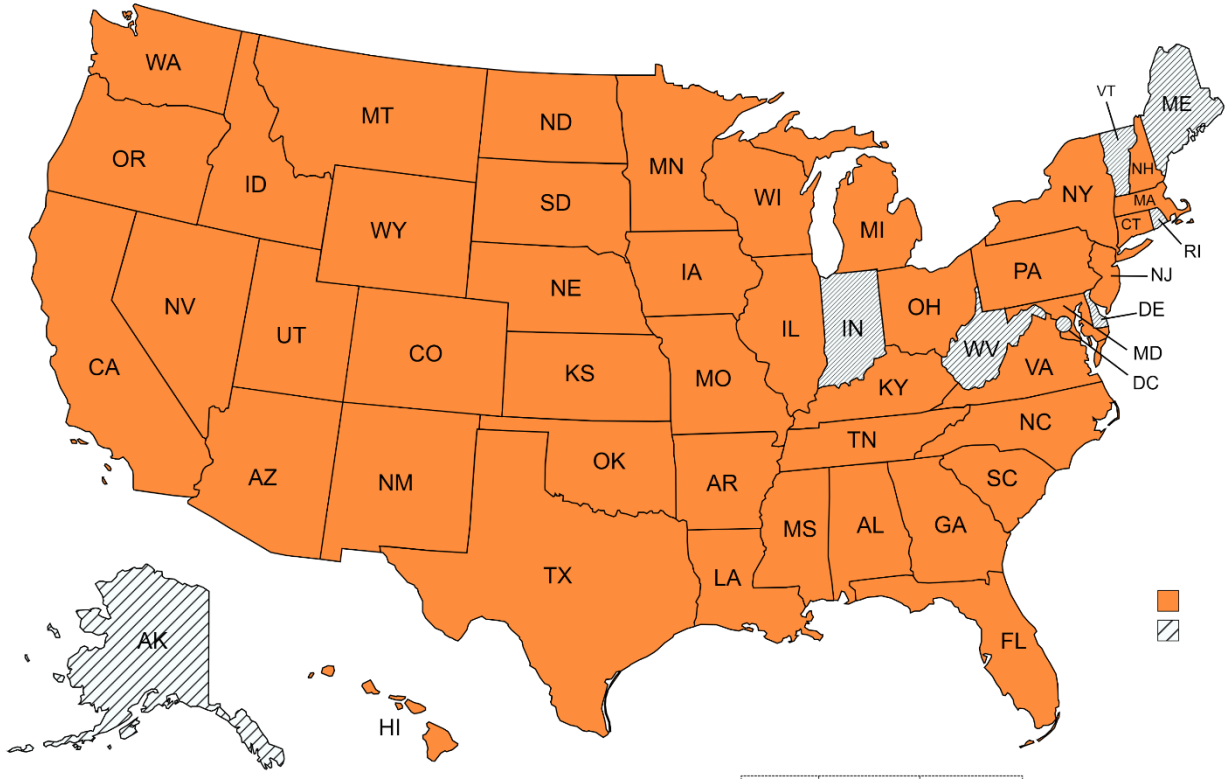
MENTOR CONNECT

What Mentor-Connect Does

- Teaches ATE grant proposal preparation strategies
- Guides proposal writing – timeline/accountability
- Advises prospective grantees through the funding process
- Provides technical support for project start-up
- Answers questions about project implementation & grants management
- Stimulates STEM faculty leadership development
- Prepares Mentors to work with prospective grantees

MENTOR CONNECT

Mentor-Connect Geographic Impact:
12 cohorts → 43 States → 2 US Territories



261
College Teams

491
Faculty

317
Grant Professionals & Administrators

MENTOR CONNECT

Participant Success Data

- 86% have submitted NSF ATE proposals
- 72% received New-to ATE grants compared to 26% overall NSF funding rate

2024 Submission Success

- 100% submitted proposals (22 colleges)
- 82% received funding (18 colleges)

MENTOR CONNECT

How to Apply

Now Available!

Access application:

www.Mentor-Connect.org

"Get a Mentor"

Deadline November 8, 2024

Application Components:

Electronic Application & College Affidavit

MENTOR CONNECT

Connect with Mentor-Connect

- www.Mentor-Connect.org
- 843.676.8541
- mentor-connect@fdtc.edu
- ATEMentorConnect
- @Mentor_Connect
- LinkedIn.com/MentorConnect

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Mentor Up Initiative

Advanced Technological Education Grant Mentoring for Two-Year Colleges

Mentor Up

The purpose of the project is to increase the number and quality of proposals submitted annually. This will be achieved through 2.5 day intensive workshop accompanied by one-on-one mentoring with experienced Principal Investigators and past NSF Program Officers.

- 2.5 day proposal writing workshop
- Pre-workshop questions
- Mentoring by experienced Principal Investigators and past NSF Program

Mentor Up Initiative

Goals

- Broaden knowledge, build capacity, and increase access to ATE
- Increase the number of competitive ATE proposals to October 2, 2025 submission deadline

Activities

- Faculty team, supported by a grant writer and/or administrator, is assigned a mentor no later than **April 15, 2025** and usually soon after acceptance
- Preworkshop, virtual workshop, and postworkshop support is provided
- Continued support is available during negotiations and/or resubmission

Advanced Technological Education Grant Mentoring for Two-Year Colleges

Mentor Up

- Register online through **April 1, 2025** at atementorup.org
- Mentor assigned no later than **April 15, 2025**, and usually sooner
- Virtual Workshop Date: **June 4 - 6, 2025** (Wed to Fri)
- Stipends for faculty members
  - **$500** workshop for each of two faculty members
  - **$250** each upon proposal submission
- Draft proposals reviewed by former ATE program directors, PIs or Kathleen Alfano

Additional Opportunities in 2025

- Have an idea for an NSF ATE grant proposal that you want to discuss?
  - Fill out form and a mentor will be in contact shortly!

- **Pre-mentoring** – After discussion, a mentor will be assigned who will work with team to develop competitive Mentor Up application
  - Deadline for pre-mentoring is **March 15, 2025**
  - **Stipends available:** $250 for each of two faculty who participate in pre-mentoring and submit a formal application for Mentor Up June workshop
  - **Note:** Pre-mentoring is **not required** for submission to the full workshop

- **Applications for June 2025 virtual workshop must:**
  - Include one-page project description, a support letter from an administrator, and names of faculty members (and any others) attending virtual workshop
  - No limit on number of participants per community college team, but only two faculty members eligible to receive stipends

For more information or to discuss ideas, contact:

- PI: Karen Wosczyna-Birch @ karenlee@snet.net
- Co-PI: Kathleen Alfano @ kalfano37@gmail.com

Program and Application Information: atementorup.org

Mentor Up Testimonies

The mentoring that the Mentor Up NSF ATE project provided was pivotal in our work on submitting an NSF grant application. A team of first time Principal Investigator and Co-Principal Investigators relied on this program and the mentors to guide us along the application process. Without mentoring, new PIs and Co-PIs would not be able to navigate the process from project concept to awarded grant reality. 2201539

Shellie Banfield, Santa Fe College, Florida

The Mentoring Experience was the most valuable tool I have ever received in regards to grant writing. It made the difference between writing a proposal and presenting a fundable project. 1955010

Bonnie Kelly, Wiregrass Georgia Technical College

Success Rate for Mentor Up Participants is 71%

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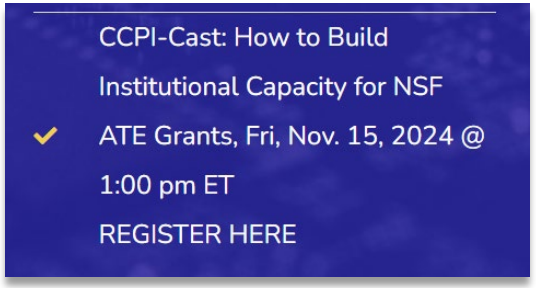
Upcoming CCPI-Casts: SAVE the DATES

- **How to Build Institutional Capacity for NSF ATE Grants with Community College Presidents**
  Fri, November 15 @ 1:00 pm ET



- **Thought Leaders' Dialogue III on STEM Education with the League for Innovation in the Community College**
  Fri, January 24, 2025 (90 minutes; time TBD)

- Visit ccpi-stem.org to RSVP and receive a Zoom confirmation

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Questions / Comments / Poll

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ccpi-stem.org

leadership@ccpi-stem.org

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