



# Pathways to ATE Grant Success through Mentoring

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WEBCAST/PODCAST  
MARCH 8, 2023  
1:00 – 1:45 PM ET

[ccpi-stem.org/webcasts-podcast/](https://ccpi-stem.org/webcasts-podcast/)



# Welcome and Introductions

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## Today's Speakers

- Dr. Elizabeth Teles, Founding Co-Lead of NSF ATE Program, Co-PI Mentor Up, Senior Advisor CCPI-STEM and Mentor-Connect, Former Mathematics Professor, Montgomery College, MD
- Dr. Elizabeth K. Hawthorne, PI FORCCE-ATE, Co-PI CCPI-STEM, Senior Professor Emerita of Computer Science and Cybersecurity, Union College, NJ



## Today's Topics

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1. How can the NSF ATE Program help your institution? |
2. What is needed for a successful ATE grant proposal? |
3. How can college leadership assist with the ATE grant preparation process?
4. What resources are available to help apply for and secure an NSF ATE grant?
5. Why connect with an ATE mentoring initiative? |
6. Questions & Answers



## How can the NSF ATE Program help your institution?

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- Curriculum development, including programs/certificates/courses/capstone experiences
- Program(s) aimed at improving student retention and success
- Faculty professional development
- Collaborative program(s) with business and industry
- K-12 student and/or teachers development and outreach programs



## What is needed for a successful ATE grant proposal?

- **Project Champion** – the originator or owner of the project
- **Strong Project Team** – faculty from the same or different departments
- **Executive Advocate** – dean and/or senior administrator to support and assist
- **Supporting Institutional Infrastructure** – support of grants office, research office, HR, accounting, marketing and publications
- **External Partners** – with other educational institutions, industry and governmental organizations
- **Other Partners** – consultants, evaluator, technical team



# How can college leadership assist with ATE grant preparation process?

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## **Institutional Capacity Building**

- **Championship** – supporting and assisting project team
- **Time and Opportunity** – enable the project PI to develop the proposal
- **Empowerment** – empower offices, such as grants office, accounting, research office, human resources, public relations to assist the proposal team
- **Dissemination** – internal and external
- **Collaborations** – support and/or initiate academic and/or business/industry collaborations



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



## ATE Mentoring Opportunities for October 2023

- **Mentor Up:** focuses on manufacturing, engineering technology, mechatronics, science technologies, such as biotechnology and energy and chemical technology, nanotechnology, remote sensing, and any technician program supported by ATE including the technical core

[atementorup.org](https://atementorup.org)



- **FORCCE-ATE:** focuses on cybersecurity, digital forensics, IoT & UAV security, and all disciplines of computing, such as IT, computational science, data analytics, Blockchain technology, Cloud & mobile computing, AI & machine learning, etc.

2022 CHIPS and Science Act

[forcce-ate.org](https://forcce-ate.org)





## 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 project development and proposal preparation
- Guides proposal writing for all sections
- Includes information on budget preparation and evaluation
- Helps with creation of NSF forms, including biosketches
- Provides examples of successful ATE proposals
- Stay informed about changes to the ATE program solicitation and PAPPG



# Mentor Up Initiative

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## Goals

- Broaden knowledge, build capacity, and increase access to ATE
- Increase the number of competitive ATE proposals to October 5, 2023 submission deadline

## Activities

- Faculty team, supported by a grant writer and/or administrator, is assigned a mentor
- Preworkshop, workshop, and postworkshop support is provided
- Continued support is available during NSF negotiations and/or ATE resubmission



## Mentor Up Initiative

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- Project proposals are encouraged from all community colleges in all areas of technology supported by ATE, including but not limited to institutions new to ATE
- Registration open through **April 1, 2023**
- Workshop Dates: **June 14 – 17, 2023** to be held virtually
- Stipends: \$500 for each of two faculty members following workshop and \$250 each upon submission of proposal
- Registration for up to two faculty to attend HI-TEC conference in Atlanta
- Draft proposal reviewed by either Elizabeth Teles or Kathleen Alfano, both former ATE program directors



# Mentor Up Initiative - Application

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## Application must:

- Include a one-page project description, a support letter from an administrator, and names of faculty members (and any others) attending the **virtual workshop**
- Be submitted to [atementorup.org](http://atementorup.org)

## For more information or to discuss ideas, contact:

- PI: Karen Wosczyzna-Birch @ [karenlee@snet.net](mailto:karenlee@snet.net)
- Co-PI: Kathleen Alfano @ [kalfano37@gmail.com](mailto:kalfano37@gmail.com)
- Co-PI: Elizabeth Teles @ [ejteles@yahoo.com](mailto:ejteles@yahoo.com)

**Program and Application Information:** [atementorup.org](http://atementorup.org)



## Mentor Up Initiative - 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*



## **FORCCE-ATE: FORTifying Cybersecurity and Computing Education through ATE Grants**



## FORCCE-ATE Mentoring Initiative

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- Focuses on all disciplines of cybersecurity and computing
- Experienced ATE mentors trained with ICF coaching skills
- Mentor-coach paired with Mentee team from **April through October** (proposal submission deadline) and again through the NSF “tunnel” when mentee team is recommended for funding (3 to 6 months after submission)
- In person workshop **June 12 – 15** at Prince George’s Community College in Largo, MD, a short metro train ride to Washington D.C.
  - Travel and training stipends provided
  - Special session for Deans lead by Dean Ruttkowsky from Jackson College, MI





## FORCCE-ATE 2022 Cohort Photos & Testimony



Jackson College Dream Team



2022 June Workshop @ PGCC

**Best Professional  
Development Ever!**

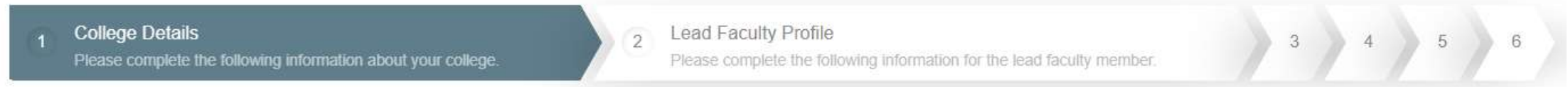




## FORCCE-ATE Online Application

- Teams consist of 2 faculty members, Dean, and optional grant writer
- Online applications accepted through **April 1, 2023** with priority to those teams that submit early. Letter of commitment from Senior Administrator, VP or President

## Mentee Application



[forcce-ate.org/mentee-application/](https://forcce-ate.org/mentee-application/)

- For questions contact PI Elizabeth Hawthorne @ [ekhawthorne@gmail.com](mailto:ekhawthorne@gmail.com) or via [LinkedIn](#)



## FORCCE-ATE Social Media

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### Recent LinkedIn Post



## ATE Mentoring Opportunities for October 2024

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- Mentor Up: [atementorup.org](https://atementorup.org)
- FORCCE-ATE: [forcce-ate.org](https://forcce-ate.org)
- Mentor-Connect: [mentor-connect.org](https://mentor-connect.org)
- Pathways to Innovation: [pathwaystoinnovation.org](https://pathwaystoinnovation.org)
- Project Vision: [projectvis.org](https://projectvis.org)



## Questions / Comments



[ccpi-stem.org](http://ccpi-stem.org)

[leadership@ccpi-stem.org](mailto:leadership@ccpi-stem.org)

[twitter.com/CCPI\\_STEM](https://twitter.com/CCPI_STEM)

[linkedin.com/company/community-college-presidents-initiative/](https://linkedin.com/company/community-college-presidents-initiative/)