NSF ATE Program Funding Opportunities & Mentor-Connect Orientation Webinar

1:00 p.m.-2:30 p.m. ET

Thursday, September 13, 2018
Special Guest:
Dr. Celeste Carter, NSF Program Director
Co-Lead, ATE Program Officer
Part I: Introduction to the NSF ATE Program

- NSF – the agency
- Opportunities for NSF ATE Grant Funding
- Small Grants for Those New to ATE

Part II: Mentor-Connect Opportunity

- Overview
- Mentoring Structure
- Technical Assistance and resources
- Timelines
How many participants, including yourself, are sharing your screen?

*(please answer via the chat box)*
Welcome to NSF

Division of
- Graduate Education (DGE)
- Research on Learning in Formal and Informal Settings (DRL)
- Human Resource Development (HRD)
- Undergraduate Education (DUE)
Advanced Technological Education (ATE) (nsf18571) | NSF ...
NSF 18-571 Replaces Document(s): NSF 17-568. National Science Foundation Directorate for Education & Human Resources Division of Undergraduate ...

Active Funding Opportunities | NSF - National Science ...
www.nsf.gov/funding/pgm_list.jsp?org=NSF&ord=date&page=2
NSF’s mission is to advance the progress of science, a mission accomplished by funding proposals for research and education made by scientists ...

Division of Research on Learning in Formal and Informal ...
Research on Learning in Formal and Informal ... and evaluation of learning and teaching across all STEM disciplines in formal and informal learning ...
Advanced Technological Education (ATE)

CONTACTS

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
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<th>Room</th>
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<tbody>
<tr>
<td>V. Celeste Carter</td>
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PROGRAM GUIDELINES

**Solicitation 18-571**

Important information for Proposers

**ATTENTION:** Proposers using the Collaborators and Other Affiliations template for more than 10 senior project personnel will encounter proposal print preview issues. Please see the Collaborators and Other Affiliations Information website for updated guidance.

A revised version of the NSF Proposal & Award Policies & Procedures Guide (PAPPG) (NSF 18-1), is effective for proposals submitted, or due, on or after January 29, 2018. Please be advised that, depending on the specified due date, the guidelines contained in NSF 18-1 may apply to proposals submitted in response to this funding opportunity.

DUE DATES

**Full Proposal Deadline Date**

October 15, 2018
NSF 18-571:
3-year solicitation with submission deadline of Oct. 15 of this year (2018).

Changes with this or the previous ATE solicitation:

• Change: funding duration and size of awards for the Centers track. For Center areas see www.atecenters.org and solicitation.

• Change: maximum budget for projects. Budgets range from $300,000 to $600,000 total maximum budget.

• Addition: project focus areas in Adaptation and Implementation (A&I) and Instrumentation Acquisition

• Change: eligibility requirements for Small, New to ATE. Allows institutions that have not received an ATE award in the past 7 years to apply

Also,

• Developers are encouraged to use an open learning approach for any new learning materials and computer software developed.

• Proposals submitted need to be in compliance with both the ATE solicitation and the NSF Proposal & Award Policies & Procedures Guide (PAPPG) (NSF 18-1)
The education of highly qualified science and engineering technicians for advanced-technology fields that drive the nation’s economy.

- **Community colleges** have leadership roles on all projects.
- Grades 7-12, 2yr- and 4-yr institutions can be supported. (Pathways)
- **Partnerships** with Industry and Economic Development Entities – **Hiring Needs**
ATE Projects
Up to $600k, up to 3 yrs.
Except:
- Instrumentation Acquisition:
  - $400-500K, 2-3 yrs.
- Adapt & Implement:
  - $300-400K, 2-3 yrs.

Small, New-to-ATE
Up to $300K, 3 yrs.

ATE Centers
Two Types

Targeted Research in Technician Education
From $150k, up to 2 yrs. to $800k, up to 3 yrs.

NSF ATE Centers
Up to $7.5M, 5 yrs/one renewal possible

Resource Centers
Up to $1.65M, 3 yrs/one renewal possible

Deadlines (All Tracks):
15 October 2018
Projects - up to $200,000 /yr. ($600,000 max.), 3yrs.

- Program Development, Implementation and Improvement;
- Professional Development for Educators;
- Curriculum and Educational Materials Development;
- Teacher Preparation;
- Small Grants for Institutions New to the ATE Program ($300K, 3-yrs.);
- Adaptation and Implementation (A&I); $300-400K, 2-3 yrs.);
- Instrumentation with Curriculum Updates; $400-500K, 2-3 yrs.)
- ATE-Coordination Networks (up to $600,000, 3 yr.)
What do you think the overall funding rate is for proposals submitted to the NSF ATE Program?

A. 75-80%
B. 40-60%
C. 22-34%
D. Below 15%
Rate is influenced by

$ available

# proposals received

Type of proposal (funding track)

Quality of proposals
Read the solicitation!
Choose right program track
Start early
Get help – avoid errors
   Program Officers
   Mentor-Connect
   Project/Center PIs

Be alert to guidelines  (PAPPG, NSF 18-1)
& changes: new solicitation, 2018 (NSF 18-571)
As a prospective NSF ATE grantee, how would you describe yourself?

A. New/inexperienced
B. New to NSF ATE, but have grant experience
C. Knowledgeable/confident with NSF grants
Too few community colleges benefiting from NSF funding

No preliminary proposals

Complexity of “grantsmanship”

Need for highly skilled technicians
Why Mentor-Connect Works?

- ATE Community - shares
- ATE resources - abundant
- Experienced PIs - willing to assist first-time applicants
- Mentoring ...a research-based strategy that works
  - Knowledge transfer
  - Leadership development
  - Networking
A regenerative mentoring system for leadership development & knowledge transfer to broaden the impact of the ATE Program.
More unique Community Colleges benefiting from the ATE Program

Greater diversity among ATE grantees

More community colleges develop the capacity to win ATE grant awards

Increasing number of STEM faculty leaders
Mentor-Connect helps you compete for NSF ATE $ to work on technician education and develop as leaders
Mentor-Connect Cohort 7 participants are expected to submit a proposal to the NSF ATE Program in October 2019.
Mentor-Connect

Mentoring & Technical Assistance

Workshops
Success Data
Application/Selection
Resources and Just-in-time help
Leadership Development
• 20 college teams selected each year (October)

• Comprised of 2 faculty and optional administrator(s)
Cohort Benefits

- A three-day winter grant-writing workshop
- An ATE-experienced mentor assigned to each team
- Technical assistance webinars (3 or more)
- One-day summer workshop & HI-TEC Conference
- Other resources and “help desk” support
Travel support

- Winter Workshop up to $1200 each for the faculty PI & Co-PI
- Summer Workshop up to $1200 each for the PI and either a Co-PI or a grant writer, and Complimentary High Impact Technology Exchange Conference (HI-TEC) registration
Teamwork Encouraged

Winter Workshop up to two:

- Grant writers
- Sponsored Research Officers (SROs)
- Other supportive administrators

Costs: travel, hotel, $475 registration
Winter workshop benefits for grant writers, SROs, other administrators

- Separate workshop track
- Mentor support
- Mentor-Connect resources
What is your current role at your institution?

A. Faculty
B. Administrator
C. Grant writer
D. None of the above
2-year technical and community colleges

...No ATE grant funding in the past 7 years

STEM faculty

...Who prepare technicians for the U.S. workforce

Limit: one team application per eligible college
Especially encouraged to participate:

Rural colleges

Diverse STEM Faculty (underrepresented)

Female

Hispanic/Latino

African-American

Alaskan Native/Native American
Mentoring & Technical Assistance

- Workshops
- Success Data
- Application/Selection
- Resources and Just-in-time help
- Leadership Development
February 5-8, 2019, New Orleans, Louisiana
Team work with assigned mentor

- Grant-writing skills & tips for being competitive in NSF ATE program
- Mock panel review of actual grant proposals
- Leadership skills development
- Special sessions for grant writers & administrators
July 22 - 25, 2019, at High Impact Technology Exchange Conference (HI-TEC), St. Louis, Missouri

- Team work time with mentor
- Grant-writing technical assistance
- Advice from and networking with mentees who have been successful
Previous winter workshops.....
Cohort 3 (St. Petersburg, 2015)
Cohort 4 (New Orleans, 2016)
Cohorts 5 (New Orleans, 2017) and 6 (Fort Lauderdale, 2018)
Mentoring & Technical Assistance

Workshops

Success Data

Application/Selection

Resources and Just-in-time help

Leadership Development
6 Cohorts at 121 colleges in 35 states
246 Faculty, 140 Grant Writers/Administrators
21 Mentors (10 per cohort) 5 Mentor Fellows
NSF ATE proposal submissions:

86% of Mentor-Connect Colleges submitted proposals

NSF awards to Mentor-Connect Mentees: 44/63 = 70% success for small grants (44/70 = 63% success rate overall)

65% of Mentor-Connect applicants accepted into a cohort

100% colleges re-applying for Mentor-Connect selected for a cohort (17 to-date)
Mentoring & Technical Assistance

Workshops

Success Data

Application/Selection

Resources and Just-in-time help

Leadership Development
How to Apply

Access application package:

www.Mentor-Connect.org

Available NOW!  Deadline Oct. 12!

Submit:

Electronic Application &

College Affidavit
Each **applicant** is offered Mentor-Connect help

- 20 colleges will be selected for Mentor-Connect Cohort 7

  *Notification on Friday, November 9, 2018*

- Those not selected receive:
  
  Opportunity for one-on-one consultation
  Invitations to technical assistance webinars
  Access to online resources
Selection Criteria

- Application is complete
- College is “small grant” eligible
- Good idea with clear technician education focus
STEM faculty team, highly interested*

Geographic diversity of institution

Demographic diversity of faculty team members/Students

* Note: faculty are not required to have a doctorate degree.
Initial Expectations...

- Read acceptance or decline letter thoroughly
- Register and prepare for winter workshop
  ... if declined, sign up for consultation
- Early contact with assigned mentor
- Ask questions
Your Mentor’s Role

- Assist team during workshops
- ~36 hrs. customized mentoring/consulting
- Proposal guidance
  - Strengthen proposal topics
  - Refine ideas & strategies
  - Provide links to ATE resources/people
- Help in addressing NSF & ATE requirements
Our 2017-18 Mentors
Do you plan to apply for Mentor-Connect this year?

A. Yes
B. No
C. Maybe, but not sure
Now....

Or Later?

Mentor-Connect options
Mentoring & Technical Assistance

Workshops

Success Data

Application/Selection

Resources and Just-in-time help

Leadership Development
200+ self-help resource library available online including templates, samples, checklists, guidelines, tutorials and more related to grant proposals

- Frequently Asked Questions
- Glossary of terms
- Help Desk
Mentor-Connect

Mentoring & Technical Assistance

Workshops

Success Data

Application/Selection

Resources and Just-in-time help

Leadership Development
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<thead>
<tr>
<th>What?</th>
<th>When?</th>
<th>Where?</th>
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<tbody>
<tr>
<td>Access &amp; Complete Application</td>
<td>July 1- October 12, 2018</td>
<td><a href="http://www.Mentor-Connect.org">www.Mentor-Connect.org</a></td>
</tr>
<tr>
<td>Application Deadline</td>
<td>October 12, 2018 5 p.m. EST</td>
<td><a href="mailto:Mentor-connect@fdtc.edu">Mentor-connect@fdtc.edu</a> or Fax 843-676-8548</td>
</tr>
<tr>
<td>Selection notification</td>
<td>November 9, 2018</td>
<td>Via email to applicants</td>
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<tr>
<td>What?</td>
<td>When?</td>
<td>Where?</td>
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<td>Registration for Technical Assistance Workshop</td>
<td>By December 14, 2018</td>
<td>Instructions with notification of selection for Cohort 7</td>
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<tr>
<td>Winter Workshop</td>
<td>February 5-8, 2019</td>
<td>New Orleans, Louisiana</td>
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<tr>
<td>Summer Workshop</td>
<td>July 22-25, 2019</td>
<td>St. Louis, Missouri</td>
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Connect with Mentor-Connect

www.Mentor-Connect.org

Mentor-Connect@fdtc.edu

ATEMentorConnect

@Mentor_Connect
Webinar Survey

Please take a moment to help us become better:

{insert link}
Leadership Development and Outreach for ATE

NSF DUE #1501183 & DUE #1840856

Elaine Craft, Principal Investigator
Mentor-Connect
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