



National Center for Supply Chain Automation



NSF ATE Program Funding & Mentor-Connect Overview



Agenda

Part I: Introduction to the NSF ATE Program



NSF – the agency

Opportunities for NSF ATE Grant Funding

Small Grants for Those New to ATE

ATE Solicitation – NSF 18-571

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5464

Part II: Mentor-Connect Opportunity

Mentoring

Technical Assistance

Workshops

Success Data

Application/ Selection

Resources & Just-in-time help

Leadership Development

Webinars

NSF ATE Program Officer

**Dr. V. Celeste Carter, NSF Program Director
Lead, ATE Program**



Welcome to NSF



Division of Undergraduate Education
National Science Foundation
2415 Eisenhower Avenue
Alexandria, VA 22314

www.NSF.gov

Finding ATE



National Science Foundation
WHERE DISCOVERIES BEGIN

Operating Status **OPEN**

Contact | Help

Search **ATE or 18-571**

NSF

Research Areas

Funding

Awards

Document Library

News

About NSF



NSF-FUNDED RESEARCH

Do more workers mean
more work done?

FULL STORY

Advancing the Sciences

Funding & Supporting

Inspiring & Educating

- HIDE

10 Big Ideas for Future NSF Investments

- NSF was founded seven decades ago with a role to establish US leadership in science and engineering, create innovation to drive the US economy, and educate the next generation
- The 10 Big Ideas were developed to envision questions to drive NSF's long term research agenda from today to the future
- Designed to define a set of research agendas that are a fit with NSF's portfolio of investments through its grants
- Goal: to push forward the frontiers of US Research and provide innovative approaches to solve some of the most pressing problems the world faces and lead to discoveries not yet known

2018 NSF ATE Solicitation

NSF 18-571:

3-year solicitation with submission deadline of Oct. 1 of next year (2020).

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,

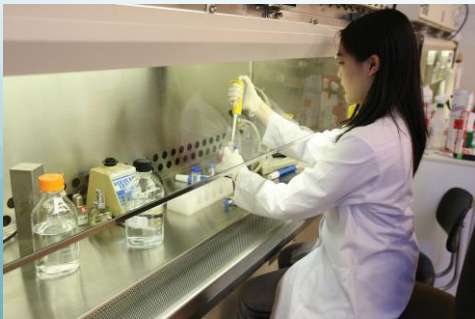
- Developers are encouraged to use an open learning approach for any new learning materials and computer software developed
- Proposals submitted need to be in compliance with both the ATE solicitation and the NSF Proposal & Award Policies & Procedures Guide (PAPPG) (NSF 20-1)

NSF ATE Program

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. (**Norco College**) <https://supplychainautomation.com>
- Grades 7-12, 2yr- and 4-yr institutions can be supported. (**SCA Career Pathways**)
- **Partnerships** with Industry and Economic Development Entities –

Hiring needs (Industry Leadership Team)



ATE Program continued

Four Program Tracks

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 Grants for Institutions New to ATE

Up to \$300K, 3-yrs

Targeted Research in Technician Education

From \$150k, up to 2-yrs
to \$800k, up to 3-yrs

ATE Centers

Two Types

Center

Up to \$7.5M

5-yrs/one renewal possible

Transition to

Resource Centers

Up to \$1.6M

3-yrs/one renewal possible

Deadline (All Tracks):
October 1, 2020

ATE Projects & Small Grants

Projects - up to \$200,000 /yr. (\$600,000 max.), 3-yrs.

- Program Development, Implementation and Improvement;
- Professional Development for Educators;
- Curriculum and Educational Materials Development;
- Teacher Preparation;
- **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-yrs.)

Small Grants - for Institutions New to the ATE Program
(**\$300K, typically 3-yrs.); prototype or pilot of an idea for future expansion**



Mentor Connect Focuses on . . .

Small Grants New to ATE and Provides

- Mentoring
- Technical Assistance
- Workshops
- Help Desk – Just-in-time answers
- Online Resource Library
- NSF Funding Process Guidance
- Start-up Help
- Leadership Development

Who is Eligible for Mentor Connect?

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

Who is Encouraged?

Especially encouraged to participate:

Rural colleges

Diverse STEM Faculty (underrepresented)

Female

Hispanic/Latino

African-American

Alaskan Native/Native American

How to Apply

1. Access & Complete application package

www.Mentor-Connect.org

Available July 1 each year

Deadline 2nd week in October each year

2. Submit

Electronic Application & College Affidavit

Let's Review

- **Mentor-Connect Application available July 1**
- **20 college teams selected each year (October)**
- **Teams of 2 STEM faculty and 2 administrator(s)-optional**
- **10-month duration**
- **2 in-person workshops (winter, summer) – with travel support**
- **Expected to submit a small, new-to-ATE grant proposal**

Resources and Q & A's

- www.nsf.gov
- www.mentor-connect.org
- <https://www.evaluate.org/>
- <https://supplychainautomation.com/>
- Mel Cossette
- Valorie Piper