

A Member Guide to
**Federal Grant
Opportunities**

FUNDING BY FEDERAL AGENCIES



PUBLIC INTEREST TECHNOLOGY
UNIVERSITY NETWORK

2022/2023

TABLE of CONTENTS

- INTRODUCTION 1**
- PREPARING YOUR INSTITUTION FOR FEDERAL GRANT FUNDING TO SUPPORT PIT 5**
 - Institutional Commitment to Public Interest Technology 5
 - Project Design for Public Interest Technology Education or Research 6
 - Budget and Data Support for Public Interest Technology Projects 8
 - Partnerships for Public Interest Technology Capacity-Building and Research Projects 8
- OPPORTUNITIES TIMELINE 9**
- NATIONAL SCIENCE FOUNDATION (NSF) 11**
 - Funder Tips 11
 - Quick Reference Chart 13
 - Funding Opportunities 17
 - Advanced Technological Education (ATE) 17
 - Alliances For Graduate Education and the Professoriate (AGEP) 18
 - HSI Program Network Resource Centers and Hubs (HSI-NET) 20
 - Improving Undergraduate Stem Education: Hispanic-Serving Institutions (HSI-STEM) 21
 - Racial Equity in Stem Education (Racial Equity) 22
 - Training-Based Workforce Development for Advanced Cyberinfrastructure (Cyber Training) 23
 - Advancing Informal Stem Learning (AISL) 24
 - Computer And Information Science And Engineering (CISE) CORE PROGRAMS 25
 - Cyberinfrastructure for Sustained Scientific Innovation (CSSI) 26
 - Inclusion Across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES) 27
 - Regional Innovation Engines 28

WORKED. CONSULTING This report was prepared by Mason M. Bishop, Principal, and Elizabeth Higgins, Project Manager, of WorkED Consulting LLC.

The report was commissioned by New America under the direction of Andreen Soley, Director, Public Interest Technology University Network at New America.

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DEPARTMENT OF LABOR (DOL) 29

Funder Tips 29

Quick Reference Chart 31

Funding Opportunities 33

 H-1B Job Training Grants 33

 Strengthening Community Colleges Training Grants (SCCT) 35

 Apprenticeship Building America (ABA) 36

DEPARTMENT OF COMMERCE (DOC), ECONOMIC DEVELOPMENT ADMINISTRATION . . 37

Funder Tips 37

Quick Reference Chart 39

Funding Opportunities 41

 Build to Scale Program (B2S) 41

 University Center Competitions (Univ. Center Comp.) 42

 Public Works and Economic Adjustment Assistance (PWEAA) Programs Including Cares Act Funding 43

 FY 2021 American Rescue Plan Act Economic Adjustment Assistance (Amer. Rescue) 44

 FY 2021 American Rescue Plan Act Build Back Better Regional Challenge (ARPA BBBRC) 45

 FY 2021 American Rescue Plan Act Good Jobs Challenge 46

 STEM Talent Challenge Program 47

DEPARTMENT OF DEFENSE (DOD) 49

Funder Tips 49

Quick Reference Chart 51

Funding Opportunities 53

 Future Scholars For Stem Workforce Development Programs 53

 Naval Engineering Education Consortium (NEEC) Broad Agency Announcement For FY20 54

DEPARTMENT OF EDUCATION (DOE) 55

Funder Tips 55

Quick Reference Chart 57

Funding Opportunities 59

 Title III 59

 Fund for the Improvement of Postsecondary Education (FIPSE) 60

 Title V - Developing Hispanic-Serving Institutions Program 61

 Institutional Resilience and Expanded Postsecondary Opportunity (IREPO) 62

 Trio Programs 63

DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS) 65

Funder Tips 65

Quick Reference Chart 67

Funding Opportunities 69

 Rehabilitation Engineering Research Centers (RERC) on Universally Accessible Information Technology 69

 Using Innovative Digital Health Care Solutions to Improve Quality at the Point of Care 70

 Leading Edge Acceleration Projects (LEAP) for Health IT 71

 AHRQ Health Services Research Demonstration and Dissemination Grants (R18) 72

 Technology Development to Reduce Health Disparities (R01 Clinical Trial Optional) 73

 Leveraging Health Information Technology (Health IT) to Address and Reduce Health Care Disparities (R01 Clinical Trial Optional) 74

BONUS OPPORTUNITY 75

 Digital Humanities Advancement Grants 75

GLOSSARY

ABA	Apprenticeship Building America
ACA	AGEP Catalyst Alliance
AFRL	Air Force Research Laboratory
AGEP	Alliances for Graduate Education and the Professoriate
AHRQ	Agency for Healthcare Research and Quality
AI	Artificial intelligence
AISL	Advancing Informal STEM Learning
AR	Augmented reality
ARPA BBBRC	American Rescue Plan Act Build Back Better Regional Challenge
ATE	Advanced Technological Education
B2S	Build to Scale program
CBO	Community-based organizations
CCF	Computing and Communication Foundations
CEDS	Comprehensive Economic Development Strategy
CI	Cyberinfrastructure
CIP	Cyberinfrastructure professionals
CISE	Computer and Information Science and Engineering
CNS	Computer and Network Systems
CSSI	Cyberinfrastructure for Sustained Scientific Innovation
DOC	Department of Commerce
DOD	Department of Defense
DOE	Department of Education
DOL	Department of Labor
EAA	Economic Adjustment Assistance
EDA	Commerce Department's Economic Development Administration
EOC	Educational Opportunity Centers
EDD	Economic Development District
ETA	Labor Department's Employment and Training Administration
FDI	Foreign direct investment
FIPSE	Fund for the Improvement of Postsecondary Education
FOA	Funding opportunity announcement
HAI	Health care-associated infection
HBGI	Historically Black Graduate Institutions

HHS	Department of Health and Human Services
HSI	Hispanic-serving institutions
HSI-NET	Hispanic-serving institutions Network Resource Centers and Hubs
HSI-STEM	Improving Undergraduate STEM Education: Hispanic-serving institutions
ICT	Information and communications technology
IHE	Institution of higher education
IIS	Information and Intelligent Systems
IREPO	Institutional Resilience and Expanded Postsecondary Opportunity
IT	Information technology
ITA	Institutional Transformation Alliance
LEAP	Leading Edge Acceleration Projects
LOI	Letter of interest
MEPs	Manufacturing Extension Partnerships
MSI	Minority-serving institution
NEEC	Naval Engineering Education Consortium
NEH	National Endowment for the Humanities
NIST	National Institute of Standards and Technology
NOFO	Notice of Funding Opportunity
NSF	National Science Foundation
NSF INCLUDES	National Science Foundation's Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science
OAC	Office of Advanced Cyberinfrastructure
PI	Principal investigator
PIT	Public interest technology
PIT-UN	Public Interest Technology University Network
PWEAA	Public Works and Economic Adjustment Assistance programs
RAP	Registered Apprenticeship Program
RERCs	Rehabilitation Engineering Research Centers
SCCT	Strengthening Community Colleges Training Grants
S&E	Science and engineering
STEM	Science, technology, engineering, and mathematics
WSO	Worker-serving organizations

INTRODUCTION

This report is part of a set of tools to provide a federal funding road map for developing and sustaining public interest technology (PIT) goals and strategies that affect lives and communities. Other tools include webinars, a federal environmental scan report, and presentations to members of Public Interest Technology University Network (PIT-UN).

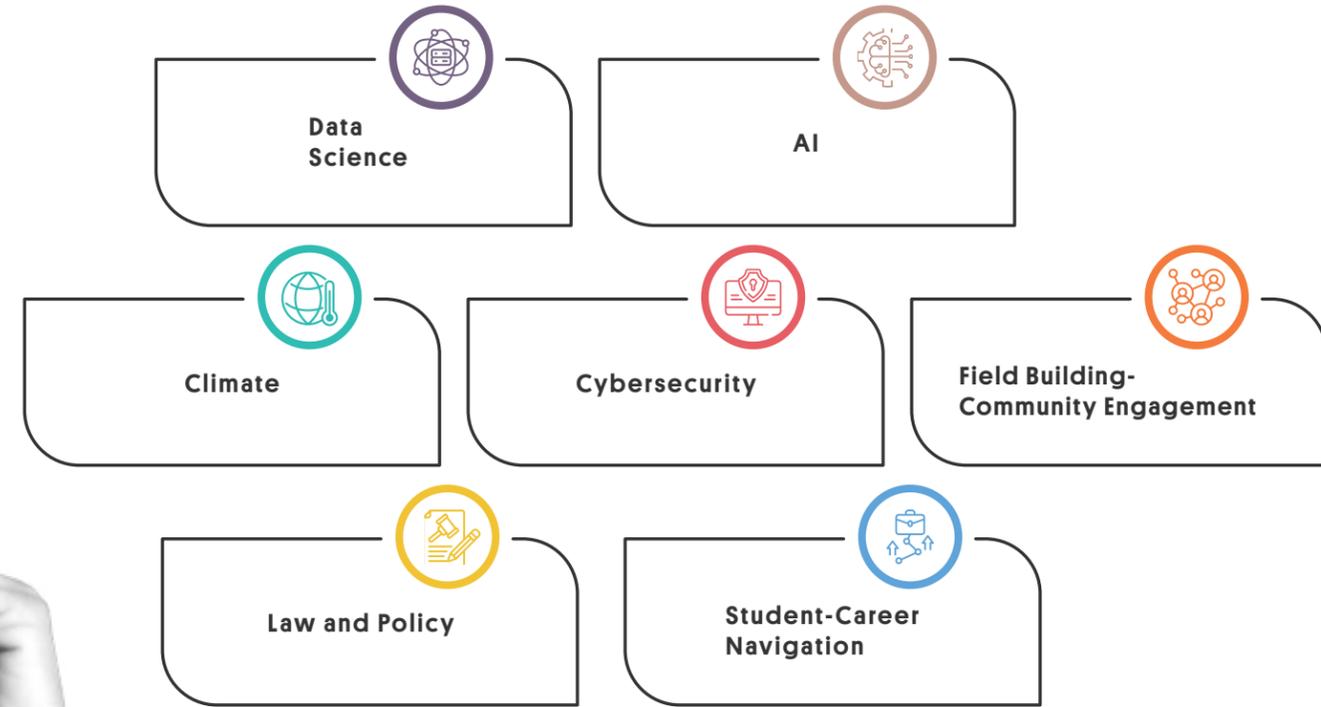
This report presents federal funding opportunities organized by federal agencies. Each agency's section includes opportunities aligned to PIT-UN member interests and resource priorities. The matrix identifies grants awarded on a regular cycle, including program-specific opportunities and research funding opportunities, if available. In addition to being a prime awardee, the matrix identifies opportunities to partner and participate as a sub awardee to a prime recipient of federal funds (e.g., a community college must be an applicant, but a university partner strengthens the grant project).

PIT-UN Member Priorities and Focus Areas

PIT-UN HAS FOUR PRIORITY AREAS:



FOCUS AREAS INCLUDE, BUT ARE NOT LIMITED TO:



TANGIBLE TAKEAWAYS FROM NEW AMERICA GRANTS INCLUDE:

Multidisciplinary courses and curricula	Replicable models and toolkits
Apps-software solutions	New educational pathways-Degrees-Certificates-Professional development-Training
Labs, clinics, academies, hubs	Publications
Experience NGO nonprofits	Student support
Internships, externships, mentorships, apprenticeships	Stipends to enter into the NGO-Nonprofit workforce

NEED FOR THIS REPORT

A May 2022 report by Boston University, Public Interest Technology University Network: Understanding the State of the Field in 2021, identified insufficient funding as the primary impediment to the growth of PIT initiatives. “In addition to funding being a primary barrier, current members appear overly reliant on PIT-UN funding to support related efforts. It was the most frequently cited funding source — selected by nearly three quarters of members. Just under half selected federal grants as a source of related support, though almost 80 percent of PIT-UN members are R1 or R2 institutions.” Other key findings from the BU report include:

- Public interest technology projects undertaken with seed funding still have opportunities for growth and maturity, aligning to federal funding that can help both institutionalize and build further capacity to meet program goals and objectives.
- The opportunity to better engage a diverse set of students to address well-documented disparities and barriers to entry for students of color and others in the STEM education fields of science, technology, engineering, and mathematics, and in career fields. Aligning PIT education programs with employment and labor market outcomes that are inclusive and address diversity provide stronger opportunities for obtaining additional federal funding across additional federal agencies.
- Program strategies and activities that align to federally funded project submissions, such as enhanced curricula development, faculty professional development, connections to student supports, and work-based and applied learning alternatives, present opportunities to scale and improve projects that are deemed fundable by federal agencies.

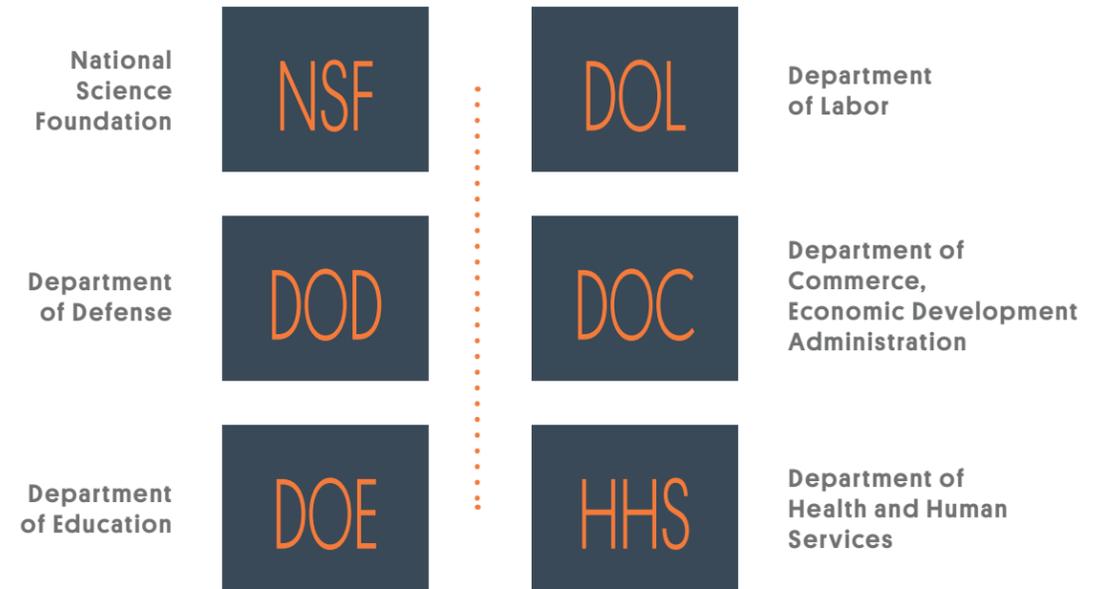


METHODOLOGY

The funding opportunities presented in this reports adhere to the following criteria:

- Awards support at least one PIT-UN priority or project goal.
- Institutions of higher education, or IHEs, are directly eligible for funding or may receive funding through a subaward from a partner.
- Awards exceed \$250,000.
- Funding opportunities were awarded within the past five years, and a new round of funding is believed to be released within two years.

THE RESEARCH FOR THIS REPORT FOCUSED ON FUNDING OPPORTUNITIES FROM THE FOLLOWING FEDERAL AGENCIES:



To develop the list of funding opportunities in this report, a comprehensive review was conducted of past and current funding. However, due to federal appropriations cycles, changes in federal priorities, and other mitigating circumstances, it is sometimes difficult to ascertain whether an opportunity will be released and what language will be used within the solicitation to shape grant application responses. Therefore, while this list provides a strong baseline from which to monitor and work toward preparing a PIT funding application, constant diligence is critical in anticipating federal funding releases.

PREPARING YOUR INSTITUTION FOR FEDERAL GRANT FUNDING TO SUPPORT PIT

Successful programs and projects are fully integrated into the strategies and priorities of the institution. Funders are looking for a commitment from the institution beyond the funded period of performance. Institutionalizing and prioritizing PIT is the first step in preparing your team to respond to funding opportunities swiftly and effectively. It will also better equip your team to appropriately manage awards that are won. Successful federal grant programming requires leadership support and input from multiple departments.

Institutional Commitment to Public Interest Technology

There are four critical roles to developing successful grant programs and securing federal grant funding.

- The **President** sets the tone and direction for the grant project. The president instills the strategic approach and integration of public interest technology as a key priority of sustainability and student success, throughout the university or college.
- The **Executive Sponsor** (a VP or other leader) is the overall administrator who supports grant project staff in gaining buy-in from key departments and divisions. This administrator ensures accountability for results and institutionalization of public interest technology.
- A **Sponsored Projects/Grant Office** supports the project through compliance monitoring and resources identification.
- An **Institutional Research** lead ensures that the data needed for reporting is high quality and timely.

Project Design for Public Interest Technology Education or Research

A competitive and efficient project design is critical to winning a federal grant. A few things should be identified or addressed internally prior to starting a grant proposal:

- Using a PIT framework, specific **capacity gaps are addressed and informed by data**. This may include gaps in providing education or student support for marginalized or disadvantaged populations. For research projects, these are gaps in knowledge or understanding of a PIT component or element.
- The **student population** educated through PIT programming is identified and specific outreach, intake, and success strategies are incorporated in the project design.
- Specific PIT **educational pathways and programming** are identified or developed with **strategies for enhancing curriculum or connections** to the target student population incorporated.
- The **activities, deliverables, and outcomes** that align with integration of PIT are clearly identified and achievable.



Budget and Data Support for Public Interest Technology Projects

Preparation for large grant-funded projects must include a baseline understanding of the costs associated with the project goals. To become grant-ready, an institution should ensure:

- Budget support processes are developed for PIT projects.
- Project costs are scoped out and aligned to the capacity or research needs of PIT projects.
- Data collection processes and support are identified and integrated into the PIT project design and implementation.
- PIT grant projects that require a cost match or identification of leveraged resources obtain the necessary commitments as part of the application.

Partnerships for Public Interest Technology Capacity-Building and Research Projects

Some partnerships are critical to winning federal funding or successfully executing a high-quality, competitive project. A few examples include:

- **Employer partnerships** that identify commitments and roles — not just “support” — are key.
- **State and local workforce boards** a partnership resource for PIT projects focused on employment and equity in the labor force.
- **Community colleges** are often designated as eligible applicants, but a university partner is needed. PIT projects can develop 2+2 pathways, professional development collaborations, or other innovations to support the Network.
- **Social services agencies and community-based organizations** provide key support for PIT students to complete education and are embedded in communities, thus providing avenues for reaching disconnected populations.

OPPORTUNITIES TIMELINE

Expected Proposal Due Dates in 2023* - All Funding Opportunities

Q1

Q2

Q3

Q4

OTHER

	Q1	Q2	Q3	Q4	OTHER
NSF	Cyber Training AISL	AGEP	HSI-STEM Regional Innovation Engines	ATE HSI-NET LOI: November; Proposal: December Regional Innovation Engines	
DOL		SCCT ABA			H1-B Fee Funded [varies]
DOC	Amer. Rescue Good Jobs	B2S Univ. Center Comp.		PWEAA ARPA BBBRC STEM Talent	
DOD		Future Scholars		Naval	
DOE		Title V		IREPO	FIPSE [varies] Title III [varies] TRIO [varies]
HHS		Leveraging Health IT RERC Tech Dev	Innovative Digital	AHRQ	
NEH	Digital Humanities Advancement				

*Dates WILL change, check the funder's website often for new information

NATIONAL SCIENCE FOUNDATION (NSF)

FUNDER TIPS

1

Research ties are critical. Even when NSF funds programming or implementation, their focus is on how it supports or connects to research. Integrate research as a base activity or tie to a future outcome

2

NSF provides [two main types of grants](#): standard and continuing. Standard grants provided by NSF are for a specific level of support for a specified period of time with no statement of NSF intent to provide additional future support without the submission of another proposal. Continuing grants are for a specific level of support for a specified period of time (usually a year), with a statement of intent from NSF to provide additional funding in the future if funds are available and the results achieved warrant further support. Ensure your sustainability plans address the specific types of funding you are seeking.

3

NSF typically reviews leveraged funds or commitments from employers very favorably. While NSF grant projects are primarily “research” focused vs. employment-focused, proposed projects that contain employer-funded scholarships or donations of equipment or supplies obtain favorable recommendations for funding.

QUICK REFERENCE CHART

NATIONAL SCIENCE FOUNDATION (NSF)				
OPPORTUNITY	ELIGIBILITY	DESCRIPTION	PIT-UN PRIORITIES	PIT-FOCUS AREA
Advanced Technology Education	2- & 4-year IHEs. NSF prefers 2-year institutions to be the lead applicant, but exceptions are made if the PI is from the 2-year institution.	Proposals can aim to impact specialized technology courses or core science, mathematics, and technology courses that serve as immediate prerequisites or co-requisites for specialized technician education courses/programs.	Career Pipeline/Placement	Data Science, Cybersecurity, AI, Climate Change
			Educational Offerings	Data Science, Cybersecurity, AI, Climate Change
			Faculty and Institution Building	Student/Career Navigation, Community Engagement
Alliances for Graduate Education and the Professoriate (NGEP)	2- & 4-year IHEs (including community colleges) accredited in, and having a campus located in the U.S., acting on behalf of their faculty members.	NSF seeks to build on prior AGEP work, as well as other research and literature concerning racial and ethnic equity, to address the AGEP program goal of increasing the number of historically underrepresented minority faculty in STEM fields.	Educational Offerings	Data Science, Cybersecurity, AI, Climate Change
			Faculty and Institution Building	Student/Career Navigation, Community Engagement, Law and Policy
			Strengthening the Public Interest in PIT	
HSI Program Network and Resource Centers and Hubs (HSI-NET)	IHE that offers undergraduate STEM education programs that result in certificates or degrees and satisfies NSF's definition of an HSI institution.	HSI-Net supports the entire community of HSIs, whether or not they currently have NSF support. HSI-Net serves as an intellectual partner to NSF and the HSI community at large to enhance the overall impact, knowledge base, influence, and reach of research on HSIs and the HSI Program.	Career Pipeline/Placement	Data Science, Cybersecurity, AI, Climate Change
			Educational Offerings	Data Science, Cybersecurity, AI, Climate Change
			Faculty and Institution Building	Student/Career Navigation, Community Engagement, Law and Policy
			Strengthening the Public Interest in PIT	
Improving Undergraduate STEM Education: Hispanic-Serving Institutions (HSI-STEM)	IHEs that satisfy NSF's definition of an HSI.	The goals of the HSI Program are to enhance the quality of STEM education and to increase the recruitment, retention, and graduation rates of students pursuing associate or baccalaureate degrees in STEM fields. Achieving these, given the diverse nature and context of the HSIs, requires additional strategies that support building capacity at HSIs through innovative approaches.	Career Pipeline/Placement	Data Science, Cybersecurity, AI, Climate Change
			Educational Offerings	Data Science, Cybersecurity, AI, Climate Change
			Faculty and Institution Building	Student/Career Navigation, Community Engagement
Racial Equity in STEM Education	Unrestricted	Proposals must support bold, groundbreaking, and potentially transformative projects addressing systemic racism in STEM. Proposals should advance racial equity in STEM education and workforce development through research (both fundamental and applied) and practice.	Career Pipeline/Placement	Data Science, Cybersecurity, AI, Climate Change
			Educational Offerings	Data Science, Cybersecurity, AI, Climate Change
			Faculty and Institution Building	Student/Career Navigation, Community Engagement
			Strengthening the Public Interest in PIT	

QUICK REFERENCE CHART

NATIONAL SCIENCE FOUNDATION (NSF)				
OPPORTUNITY	ELIGIBILITY	DESCRIPTION	PIT-UN PRIORITIES	PIT-FOCUS AREA
AISL	IHE	Informal STEM learning (ISL) experiences and environments. Increases public engagement with and understanding of STEM.	Strengthening the Public Interest in PIT	Community Engagement
CISE: Core Programs	2- & 4-year IHEs that are accredited in the U.S	Research and education projects that develop new knowledge in all aspects of computing, communications, and information science and engineering, as well as advanced cyberinfrastructure, through specific CISE core programming parameters.	Career Pipeline/Placement	Data Science, Cybersecurity, AI, Climate Change
			Educational Offerings	Data Science, Cybersecurity, AI, Climate Change
CSSI	IHE	Scalable community-driven cyberinfrastructure (CI) to support innovative scientific inquiry based on software and data.	Career Pipeline/Placement	Data Science, Cybersecurity, AI, Climate Change
			Educational Offerings	Data Science, Cybersecurity, AI, Climate Change
			Faculty and Institution Building	Student/Career Navigation, Community Engagement
			Strengthening the Public Interest in PIT	
NSF INCLUDES	Unrestricted	Motivates and accelerates collaborative infrastructure building to advance equity and sustain systemic change to broaden participation in STEM fields at scale	Career Pipeline/Placement	Data Science, Cybersecurity, AI, Climate Change
			Educational Offerings	Data Science, Cybersecurity, AI, Climate Change
			Faculty and Institution Building	Student/Career Navigation, Community Engagement
			Strengthening the Public Interest in PIT	
Regional Innovation Engines	IHE	Develops coalitions of academic institutions, nonprofits, for-profits, government entities, and others to create regional “innovation ecosystems” — galvanizing use-inspired research, technology translation, and workforce development.	Career Pipeline/Placement	Data Science, Cybersecurity, AI, Climate Change
			Educational Offerings	Data Science, Cybersecurity, AI, Climate Change
			Faculty and Institution Building	Student/Career Navigation, Community Engagement
			Strengthening the Public Interest in PIT	

FUNDING OPPORTUNITIES

Advanced Technological Education (ATE)

NSF 21-598

NEXT EXPECTED APPLICATION DUE DATE: OCTOBER 05, 2023	
Lead or Subaward? Subaward for 4- year IHE's	MSI Specific: No
Research or program funding: Both	Previous posted date: May 11, 2022
Previous # of awards estimated: 80	Previous close date: October 06, 2022
Previous award range: \$70k - \$7.5MM	Previous # of weeks between post and close: 20
<p>Eligibility: 2- & 4-year IHEs. NSF prefers 2-year institutions to be the lead applicant, but exceptions are made if the PI is from the 2-year institution.</p>	
<p>Required partnerships: 2-year IHEs should serve as the fiscal lead on proposals with 4-year IHEs being subawardees. Partnerships with employers, secondary schools, business, industry, economic development agencies, and government</p> <p>Encouraged partnerships: The ATE program encourages partnerships with other entities that may affect technician education. For example, with NIST, MEPS, Manufacturing USA Institutes, and NSF Industry University Cooperative Research Centers Program (I/UCRC) awardees.</p>	

Description:

The Advanced Technological Education (ATE) program supports the education of the skilled technical workforce at the undergraduate and secondary school levels. Proposals can aim to affect specialized technology courses or core science, mathematics, and technology courses that serve as immediate prerequisites or co-requisites for specialized technician education courses and programs. The curricular focus and the activities of all projects should demonstrably contribute to the ATE program's central goals: producing more qualified science and engineering technicians to meet workforce demands and improving the technical skills and the general STEM preparation of these

technicians and the educators who prepare them. To this end, it is expected that courses developed or updated will be credit-bearing courses, although materials may also support incumbent worker education.

KEYWORDS: curriculum, educational material development, research, workforce

Alliances for Graduate Education and the Professoriate (AGEP)

NSF 21-576

NEXT EXPECTED APPLICATION DUE DATE: VARIES, SEE NOTICE	
Lead or Subaward? Lead	MSI Specific: No
Research or program funding: Program	Previous posted date: March 26, 2021
Previous # of awards estimated: 6 - 32	Previous close date: LOI was due in June 02, 2021 . Proposal due dates vary based on track selected, but typically are due in March and August.
Previous award range: \$400 - \$4.4MM Average award: \$137,500 - \$733,333	Previous # of weeks between post and close: 22
<p>Eligibility: 2- & 4-year IHEs (including community colleges) accredited in, and having a campus located in the U.S., acting on behalf of their faculty members.</p>	
<p>Required partnerships: All AGEP Alliances are expected to engage similar institutions of higher education (IHE) to work collaboratively and use intersectional approaches in the design, implementation, and evaluation of systemic change strategies. The collaborating IHEs must be similar to each other based on such variables as Carnegie classification, geographic location, and student and/or faculty demographic characteristics.</p>	

Description:

The National Science Foundation's NSF's Alliances for Graduate Education and the Professoriate (AGEP) program contributes to the NSF's National Science Foundation's objective to foster the growth of a more capable and diverse research workforce.

1. The NSF seeks to build on prior AGEP work, as well as other research and literature concerning racial and ethnic equity, to address the AGEP program goal of increasing the number of historically underrepresented minority faculty in STEM.
2. Furthering the AGEP goal requires **advancing knowledge about new academic STEM career pathway models** and about evidence-based systemic or institutional change initiatives to promote equity and the professional advancement of the AGEP populations who

are pursuing, entering, and continuing in nontenure and tenure-track STEM faculty positions.

The NSF AGEP program seeks to fund grants that advance and enhance the systemic factors that support equity and inclusion and, consequently, mitigate systemic inequities in the academic profession and workplace.

The AGEP program goal to increase the number of historically underrepresented minority faculty is bolstered by the National Science Board's Vision 2030. **Systemic and organizational inequities may exist in areas such as policy and practice as well as in institutional, departmental, and laboratory and classroom culture and climate.** AGEP proposals may address, for example, practices in academic

departments that result in the inequitable allocation of service or teaching assignments that may impede research productivity, delay career advancement, and create a culture of differential treatment and rewards. Similarly, policies and procedures that fail to mitigate implicit bias in hiring, tenure, and promotion decisions could lead to people who are members of AGEP populations being evaluated less favorably, perpetuating historical underparticipation in STEM academic careers and contributing to an academic climate that is not inclusive.

The **AGEP Institutional Transformation Alliance (ITA) track** is designed to support the development, implementation, and evaluation of innovative systemic and institutional change strategies that promote equity for AGEP populations, within similar IHEs. ITAs create permanent policy and practice changes that

advance AGEP populations, and the project work is expected to be sustained after NSF funding expires.

The **AGEP Catalyst Alliance (ACA) track** supports the design and implementation of one or more organizational self-assessment(s) to collect and analyze data that identify inequities affecting the AGEP populations; pilot equity strategies as appropriate; and develop a five-year equity strategic plan for the AGEP populations. The ACA is meant as a facilitator grant to help similar IHEs generate the foundational work necessary to initiate an ITA project

KEYWORDS: career pathway models, underrepresented minority faculty, systemic change



HSI Program Network Resource Centers and Hubs (HSI-NET)

NSF 22-602

NEXT EXPECTED APPLICATION DUE DATE: DECEMBER 2023	
Lead or Subaward? Lead	MSI Specific: HSI only
Research or program funding: Program	Previous posted date: June 15, 2022
Previous # of awards estimated: 2 - 7	Previous close date: LOI due November 14, 2022 Proposal due December 15, 2022
Previous award range: Up to \$3MM or up to \$7MM depending on tract	Previous # of weeks between post and close: 26
Eligibility: IHE that offers undergraduate STEM education programs that result in certificates or degrees and satisfies NSF's definition of an HSI.	
Required partnerships: Partnerships between academia, industry, and others required.	

Description:

HSI-Net supports the entire community of HSIs, whether or not they are receiving NSF support. HSI-Net serves as an intellectual partner to NSF and the HSI community at large to enhance the overall impact, knowledge base, influence, and reach of research on HSIs and the HSI Program. HSI-Net centers and hubs regularly communicate and collaborate to strengthen and support the HSI community. They create and promote knowledge on HSIs, grow and support the community of NSF HSI awardees (in all NSF programs), and further the reach of the HSI Program goals and strategies.

Activities and initiatives of the centers and hubs should have an impact beyond a single institution or small collaborative group as results and outcomes should be applicable to a broad community of HSIs. All projects must be guided by a coherent understanding and vision of HSIs

and the diverse community they comprise — a vision that recognizes the diversity of HSIs, their roles in effectively serving and preparing students who are from groups historically underrepresented in STEM, and their need to build capacity as encouraged by Congress and defined in the proposal guidelines.

PIT-UN MEMBER OPPORTUNITY

Collaborate with other PIT-UN member HSIs in creating and implementing PIT programming.

Become a national leader for other HSIs

KEYWORDS: build capacity, historically underrepresented, hub

Improving Undergraduate Stem Education: Hispanic-Serving Institutions (HSI-STEM)

NSF 22-611

NEXT EXPECTED APPLICATION DUE DATE: MULTIPLE, FEBRUARY 8, 2023 FOR TRACKS 1, AND 2; AUGUST 30, 2023 FOR TRACKS 1, 2, AND 3; AND ANNUALLY THEREAFTER	
Lead or Subaward? Lead	MSI Specific: HSI
Research or program funding: Both	Previous posted date: July 2, 2022
Previous # of awards estimated: 38 - 62	Previous close date: September 30, 2022
Previous award range: \$200k - \$3MM Average award: Track 1: \$200k single institution, \$300k collaborative; Track 2: \$500k single, \$800k collaborative; Track 3: \$3MM. For tracks 1 & 2, a \$100k-\$200k incentive is given to partner with one or more community colleges.	Previous # of weeks between post and close: 12
Eligibility: IHEs that satisfy NSF's definition of an HSI.	
Encouraged Partnerships: Community colleges. Collaborative projects are also awarded higher grant amounts than single institutions.	

Description:

The goals of the HSI Program are to enhance the quality of undergraduate STEM education and to increase the recruitment, retention, and graduation rates of students pursuing associate or baccalaureate degrees in STEM fields. Achieving these, given the diverse nature and context of the HSIs, requires additional strategies that support building capacity at HSIs through innovative approaches to incentivize institutional and community transformation and to promote fundamental research (1) on engaged student learning, (2) about what it takes to diversify and increase participation in STEM effectively, and (3) that improves our

understanding of how to build institutional capacity at HSIs. Intended outcomes of the HSI Program include broadening participation of students who are historically underrepresented in STEM and expanding students' pathways to continued STEM education and integration into the STEM workforce.

KEYWORDS: recruitment, retention, graduation rates

Racial Equity in Stem Education (Racial Equity)

NSF PD-21-191Y

NEXT EXPECTED APPLICATION DUE DATE: JANUARY 17, 2023	
Lead or Subaward? Lead	MSI Specific: No
Research or program funding: Both	Posted date: September 22, 2022
Previous # of awards estimated: Unknown	Close date: January 17, 2023
Award range: Up to \$5MM	Previous # of weeks between post and close: 16
Eligibility: Unrestricted	
Encouraged Partnerships: Community colleges. Collaborative projects are also awarded higher grant amounts than single institutions.	

Description:

Projects will support bold, groundbreaking, and potentially transformative projects that contribute to advancing racial equity in STEM education and workforce development through practice or fundamental or applied research. Proposals funded by this solicitation will: (1) substantively contribute to institutionalizing effective research-based practices, policies, and outcomes in STEM environments for those who experience inequities caused by systemic racism and the broader community; (2) advance scholarship and promote racial equity in STEM in ways that expand the array of epistemologies, perspectives, ideas, and theoretical and

methodological approaches that NSF funds; and (3) further diversify project leadership (PIs and co-PIs) and institutions funded by NSF.

KEYWORDS: workforce development, racial equity



Training-Based Workforce Development for Advanced Cyberinfrastructure (Cyber Training)

NSF 22-574

NEXT EXPECTED APPLICATION DUE DATE: <i>THIRD THURSDAY IN JANUARY, ANNUALLY</i>	
Lead or Subaward? Lead	MSI Specific: HSI
Research or program funding: Both	Previous posted date: February 16, 2022
# of awards estimated: Up to 4 pilot, 8 small and 3 medium implementation, and 3 CIP awards are anticipated.	Previous close date: January 19, 2023
Previous award range: \$500k - \$1MM; pilots: \$300k Average award: \$500k or \$1MM	Previous # of weeks between post and close: 48
Eligibility: IHE	
Required partnerships: <ul style="list-style-type: none"> Board of expert advisers or a network of funded/unfunded collaborators that is representative of the stakeholder communities Investigators, collaborators, expert advisers, resource providers, or early adopters Encouraged partnerships: <ul style="list-style-type: none"> Collective impact alliance with relevant stakeholder. 	

Description:

The goals of this opportunity are to (1) ensure broad adoption of cyberinfrastructure (CI) tools, methods, and resources by the research community in order to catalyze major research advances and to enhance researchers' abilities to lead the development of new CI; (2) integrate core literacy and discipline-appropriate advanced skills in advanced CI as well as computational and data-driven methods for advancing fundamental research, into the nation's undergraduate and graduate educational curriculum/instructional materials; and (3) build communities of research CI professional staff to deploy, manage, and

collaboratively support the effective use of research CI, as well as establish career paths for those staff within and across institutions and S&E disciplines.

KEYWORDS: career development, cyberinfrastructure, underrepresented groups, curriculum development, educational infrastructure

Advancing Informal Stem Learning (AISL)

NSF 22-626

NEXT EXPECTED APPLICATION DUE DATE: JANUARY 11, 2023	
Lead or Subaward? Either	MSI Specific: No
Research or program funding: Program	Posted date: August 20, 2022
# of awards estimated: 77	Close date: January 11, 2023
Award range: \$150k - \$3.5MM	# of weeks between post and close: 20
Eligibility: Open	
Partnerships: Varies	

Description:

This program focuses on investigating a range of informal STEM learning experiences and environments that make lifelong learning a reality. It is focused on equity and belonging, and furthering the well-being of individuals and communities who have historically been and continue to be excluded, underserved, or underrepresented due to gender, race, ethnicity, sexual orientation, disability status, neurodiversity, geographic location, or economic status, among others, as well as their intersections. Activities will include public engagement with and understanding of STEM, including community STEM; public participation in scientific research; science communication; intergenerational STEM engagement; and STEM media. Projects funded by AISL should contribute to research and practice that further illuminates informal STEM learning's role in equity and belonging in STEM; personal and educational success in STEM; advancing public engagement in scientific discovery; fostering interest in STEM careers; creating and enhancing the theoretical and empirical foundations for effective informal

STEM learning; improving community vibrancy; or enhancing science communication and the public's engagement in and understanding of STEM and STEM processes. The AISL Program funds **five types of projects:**

- **Synthesis**
- **Conference**
- **Partnership Development and Planning**
- **Integrating Research and Practice**
- **Research in Support of Wide-reaching Public Engagement with STEM.**

NOTE: Activities primarily focused on formal educational systems or outcomes are outside the scope of work supported by this program. **AISL does not fund formal elementary, middle, or high school education, or undergraduate or graduate education, whether in-person or online. Similarly, AISL does not fund formal workforce training** (e.g., professional certifications and degree-earning programs) that is not aimed directly at informal STEM learning professionals.

Computer and Information Science and Engineering (CISE) CORE PROGRAMS

NSF 22-631

NEXT EXPECTED APPLICATION DUE DATE: DECEMBER 22, 2022	
Lead or Subaward? Either	MSI Specific: No
Research or program funding:	Posted date: September 16, 2022
# of awards estimated:	Close date: December 22, 2022
Award range: Up to \$600k - \$1.2MM	Previous # of weeks between post and close: 13
Eligibility: 2- & 4-year IHEs that are accredited in the U.S.	
Partnerships: Varies	

Description:

Supports research and education projects that develop new knowledge in all aspects of computing, communications, and information science and engineering, as well as advanced cyberinfrastructure, through specific CISE core programming parameters, including: research that studies the foundations of computing and communication; using new technologies or new ways to apply existing technologies, with a focus on systems; research that studies the interrelated roles of people, computers, and information; and translational research and education activities in all aspects of advanced cyberinfrastructure that lead to systems capable of transforming science and engineering research.

Applicants are invited to submit proposals in several project classes, which are defined as follows:

- Small Projects: Up to \$600,000 total budget with durations up to three years. Projects in this class may be submitted to CCF, CNS, and IIS only.
- Medium Projects: \$600,001 to \$1.2 million total budget with durations up to four years. Projects in this class may be submitted to CCF, CNS, and IIS only.
- OAC Core Projects: Up to \$600,000 total budget with durations up to three years. Projects in this class may be submitted to OAC only.

Cyberinfrastructure for Sustained Scientific Innovation (CSSI)

NSF 22-632

NEXT EXPECTED APPLICATION DUE DATE: DECEMBER 16, 2022	
Lead or Subaward? Either	MSI Specific: No
Research or program funding: Both	Posted date: September 17, 2022
# of awards estimated: 35	Close date: December 16, 2022
Award range: \$500k - \$2MM	# of weeks between post and close: 12
Eligibility: IHE	
Partnerships: Academia, government laboratories and industry, including international entities	

Description:

This opportunity meets the need for scalable community-driven CI to support innovative scientific inquiry based on software and data. All projects must be designed to overcome significant bottlenecks to solving compelling S&E questions. Data CI may additionally combine the elements of algorithms, software, computation, networks, task automation or exploiting custom hardware to support data-centric approaches to S&E. Data may be derived from experimentation, observation, or computation and may be diverse, consistent with S&E across all disciplines.

Proposals that, as part of the CI development or community engagement, include visitor support, postdoctoral opportunities, or short training courses that increase interactions of domain scientists and software and/or CI specialists are encouraged. Proposals that include innovative educational activities to train next-generation creators of CI, and to train the community at all levels on using CI in ways that broaden participation, are welcome. Educational and broadening participation activities should not, however, be the focus of the proposal, but integrated within the main

effort of developing the CI. Proposals are expected to be of interest to one or multiple directorates, divisions, or offices participating in the CSSI program. **Programmatic areas of interest include biological sciences, STEM teaching and learning, engineering, environmental and transport systems, manufacturing, electrical, geosciences, and more.**

KEYWORDS: data, software, networks, automation, manufacturing, geosciences, engineering

Inclusion Across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES)

NSF 22-622

NEXT EXPECTED APPLICATION DUE DATE: OCTOBER 25, 2022, THEN OCTOBER 24, 2023	
Lead or Subaward? Either	MSI Specific: No
Research or program funding:	Posted date: July 28, 2022
# of awards estimated: 15	Close date: (submit LOI 2 months prior); due dates vary, but typically occur in October
Award range: Expected to be around \$350k	Previous # of weeks between post and close:
Eligibility: Unrestricted	
Partnerships: Significant engagement of partners required	

Description:

NSF INCLUDES is a comprehensive, national initiative to enhance U.S. leadership in STEM discovery and innovation, focused on NSF’s commitment to ensuring accessibility and inclusivity in STEM fields. INCLUDES seeks to motivate and accelerate collaborative infrastructure building to advance equity and sustain systemic change to broaden participation in STEM fields at scale. Significant advancement in the inclusion of groups that have historically been excluded from or underserved in STEM will result in a new generation of STEM talent

and leadership to secure the nation’s future and long-term economic competitiveness. With this solicitation, NSF offers support for five types of projects that connect and contribute to the National Network:

- Design and Development Launch Pilots
- Collaborative Change Consortia
- Alliances
- Network Connectors
- Conferences.

While the following opportunity may not be pursued by an IHE that did not submit a concept outline, an institution may still participate by finding the regional leads and proposing a partnership. It is recommended that any interested institution reach out immediately to regional partners to request inclusion in their projects.

Regional Innovation Engines

BROAD AGENCY ANNOUNCEMENT

NEXT EXPECTED APPLICATION DUE DATE: UNKNOWN IF IT WILL BE RELEASED AGAIN	
Lead or Subaward? Either	MSI Specific: No
Research or program funding: Both	Posted date: May 3, 2022
# of awards estimated:	Close date: Concept outlines due June 30, 2022. LOI due August 31, 2022, and December 15, 2022.
Award range: Up to \$160MM	# of weeks between post and close:
Eligibility: IHE	
Partnerships: Yes	

Description:

Grantees will develop coalitions of academic institutions, nonprofits, for-profits, government entities and others to create regional “innovation ecosystems” — galvanizing use-inspired research, technology translation, and workforce development. This program will expand innovation capacity by leveraging resources across the regions in the United States. The program catalyzes and fosters innovation ecosystems across the U.S. to:

- Advance critical technologies
- Address national and societal challenges
- Foster partnerships across industry, academia, government, nonprofits, civil society, and communities of practice
- Promote and stimulate economic growth and job creation
- Spur regional innovation and talent

The NSF Engines program uniquely harnesses the nation’s science and technology research and development enterprise and regional-level resources. NSF Engines can catalyze robust partnerships rooted in scientific and technological innovation to positively affect the economy within a geographic region, address societal challenges, and advance national competitiveness.



DEPARTMENT OF LABOR (DOL)

FUNDER TIPS

- 1** | DOL funds projects focused on workforce development and career pathway opportunities.
- 2** | Partnerships with employers and state or local workforce development system partners are critical for getting projects funded through DOL.
- 3** | For IHEs, alignment with post-completion outcomes must be made, with employment, earnings, and job retention being foremost among outcomes DOL expects.

- 4** | Grants that IHEs are eligible for typically require a gap analysis both for labor markets (unfilled jobs) and institutional capacity. Further, DOL looks for grant applicants to define target populations and reasons that those populations are lacking skills and access to education or training.

QUICK REFERENCE CHART

DEPARTMENT OF LABOR				
OPPORTUNITY	ELIGIBILITY	DESCRIPTION	PIT-UN PRIORITIES	PIT-FOCUS AREA
H1-B Job Training Grants	Varies	DOL uses discretionary funding to increase the number of skilled -workers available to address critical job openings. Annual funding opportunities vary, but historically there have been many opportunities that would support PIT priorities.	Career Pipeline/Placement	Data Science, Cybersecurity, AI, Climate Change
			Educational Offerings	Data Science, Cybersecurity, AI, Climate Change
			Faculty and Institution Building	Student/Career Navigation, Community Engagement
Strengthening Community Colleges Training Grants	2-year IHEs must lead, 4-year IHEs can partner	These grants build the capacity of community colleges to equitably increase access to employment through educational and economic opportunity, by focusing on specific industry sectors and career pathways that lead to skill development, rapid reskilling, and employment in quality jobs.	Increasing equitable opportunities	
			Career Pipeline/Placement	Data Science, Cybersecurity, AI, Climate Change
			Educational Offerings	Data Science, Cybersecurity, AI, Climate Change
Apprenticeship Building America (ABA)	IHEs	Utilizes Registered Apprenticeship Programs and pre-apprenticeship programs to bridge opportunity gaps, diversify talent pipelines, advocate for emerging	Faculty and Institution Building	Student/Career Navigation, Community Engagement
			Increasing equitable opportunities	
			Career Pipeline/Placement	Data Science, Cybersecurity, AI, Climate Change
			Educational Offerings	Data Science, Cybersecurity, AI, Climate Change

FUNDING OPPORTUNITIES

H-1B Job Training Grants

NEXT EXPECTED APPLICATION DUE DATE: NOVEMBER 2022

Lead or Subaward? Lead	MSI Specific: No
Research or program funding: Program	Previous posted date: Various
# of awards estimated: 20 - 30	Previous close date: Various
Previous award range: \$1MM - \$8MM	Previous # of weeks between post and close: 8
Eligibility: IHE	
Required partnerships: Employer and industry partners, state/local WIOA workforce development board, or one-stop system partner	

Description:

The DOL’s Employment and Training Administration (ETA) receives 50% of the fees assessed to employers who bring H-1B visa holders into the country for employment. These fees typically provide ETA with \$150 million annually in funding. DOL has broad discretion in the types of grant programs funded under this authorization.

Examples of programs funded using H-1B fee funds include:

TechHire (FOA-ETA-16-01) (Due: March 11, 2016)

The TechHire initiative is a multisector approach to train workers with the information technology skills required for well-paying, middle- and high-skilled, and high-growth jobs across a diversity of industries such as IT, health care, advanced manufacturing, financial

services, and broadband. Filling these jobs is critical for employers throughout the United States, and the TechHire initiative aims to bring together communities, employers, and workers to meet the demands of the resurging American economy and fuel the next generation of American innovations.

America’s Promise (FOA-ETA-16-12) (Due: August 25, 2016)

The purpose of America’s Promise grant program is to strengthen the pipeline of skilled workers to expand an economic region’s middle- to high-skilled workforce within one or more prioritized industry sector(s), thereby creating economic opportunities for America’s workforce to gain the necessary skills to fill in-demand jobs and increasing the long-term competitiveness of an economic region. To help achieve this goal, the grant will provide individuals the

opportunity to get high-quality, tuition-free education and training that leads to in-demand and industry-recognized credentials and degrees.

Scaling Apprenticeship Through Sector-Based Strategies (FOA-ETA-18-08) (Due: October 16, 2018)

The purpose of this program is to support sector-based approaches to expanding efforts to develop and implement apprenticeships at scale in key industry sectors.

Apprenticeships: Closing the Skills Gaps (FOA-ETA-19-09) (Due: September 14, 2019)

The purpose of this program is to promote apprenticeships as a significant workforce solution in filling current middle- and high-skilled job vacancies and closing the skills gap between employer workforce needs and the skills of the current workforce.

H-1B One Workforce Grant Program (FOA-ETA-20-13) (Due: October 7, 2020)

The purpose of this grant program is to use up to \$150 million in H-1B training funds to encourage states and economic regions to work with industry stakeholders to develop dynamic workforce strategies that train workers and job seekers for middle- to high-skilled H-1B occupations in key industry sectors. These grants will build proof of concepts of innovative training models that can be replicated by the broader workforce system. Applicants must build support for a common vision for responding to the workforce challenges within their state and economic regions, ensuring that their projects complement and leverage, but do not duplicate, existing programs.

KEYWORDS: workforce development, career pathways, apprenticeship, training, youth development, technology, education



Strengthening Community Colleges Training Grants (SCCT)

FOA-ETA-22-02

NEXT APPLICATION DUE DATE: OCTOBER 2022	
Lead or Subaward? Subaward	MSI Specific: No
Research or program funding: Program	Previous posted date: March 2, 2022
# of awards estimated: 35	Previous close date: June 3, 2022
Previous award range: \$1.5MM - \$5MM	Previous # of weeks between post and close: 13
Eligibility: 2-year IHEs.	
Partnerships: Employers, industry partners, state/local workforce development board	

Description:

The purpose of this program is to address two interrelated needs: to increase the capacity and responsiveness of community colleges to address identified equity gaps (as described in Core Element 1: Advancing Equity), and to meet the skill development needs of employers in in-demand industries and career pathways, as well as the skill development needs of marginalized and underrepresented workers. Ultimately, these grants should build the capacity of community colleges to equitably increase access to employment through educational and economic opportunity, by focusing on

specific industry sectors and career pathways that lead to skill development, rapid reskilling, and employment in quality jobs. These efforts yield sustainable systems-level changes in education and training through collaboration among community colleges, employers and the public workforce development system that align education and training, work experiences, and industry-recognized credentials that lead to career growth.

Four-year IHEs can partner with community colleges to develop career pathways and transfer agreements to increase opportunities for participants

KEYWORDS: career pathways, equitable systems



Apprenticeship Building America (ABA)

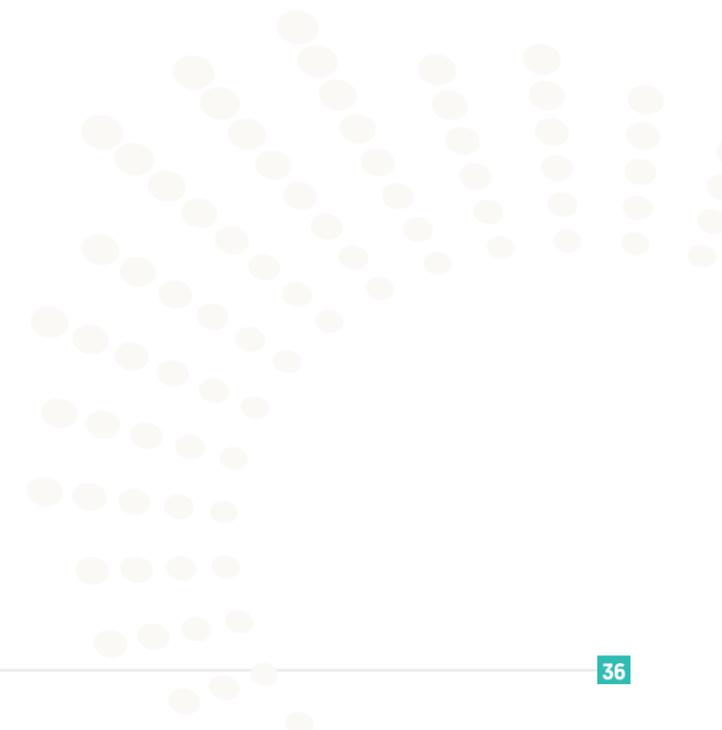
FOA-ETA-22-06

NEXT EXPECTED APPLICATION DUE DATE: UNKNOWN	
Lead or Subaward? Lead	MSI Specific: No
Research or program funding: Program	Previous posted date: February 23, 2022
# of awards estimated: 20 - 30	Previous close date: April 25, 2022
Previous award range: \$1MM - \$8MM	Previous # of weeks between post and close: 8
Eligibility: IHE	
Partnerships: Employer and industry partners, state/federal apprenticeship agency, one MSI or association, entity carrying out activities under WIOA such as a workforce development board	

Description:

Through the ABA grant program, grantees use Registered Apprenticeship Programs (RAP) and pre-apprenticeship programs that lead to RAP enrollment as a workforce development solution to bridge opportunity gaps, support the development and diversification of talent pipelines, advocate for RAPs in emerging industries, and develop a diverse and skilled workforce that can meet industry demands while allowing participants to obtain quality jobs that pay family-sustaining wages.

KEYWORDS: workforce development, career pathways, registered apprenticeship



DEPARTMENT OF COMMERCE (DOC), ECONOMIC DEVELOPMENT ADMINISTRATION

FUNDER TIPS

1 | Funding priorities of the DOC's Economic Development Administration (EDA) include the following:

- **Equity:** Economic development planning or implementation projects that advance equity across America through investments that directly benefit one or more traditionally underserved populations (PDF), including women and Black, Latino, and Indigenous and Native American people, Asian Americans, and Pacific Islanders, or that directly benefit underserved communities within geographies that have been systemically or systematically denied a full opportunity to participate in aspects of economic prosperity such as tribal lands, Persistent Poverty Counties (XLSX), and rural areas with demonstrated, historical underservice.
- **Recovery & Resilience:** Economic development planning or implementation projects that build economic resilience to and long-term recovery from economic shocks, such as those experienced by coal and power plant communities, or other communities affected by the decline of an important industry or a natural disaster, that may benefit from economic diversification-focused resilience.
- **Workforce Development:** Economic development planning or implementation projects that support workforce education and skills training activities directly connected to the hiring and skills needs of the business community and that result in well-paying, quality jobs (PDF).
- **Manufacturing:** Economic development planning or implementation projects that encourage job creation, business expansion, technology and capital upgrades, and productivity growth in manufacturing, including efforts that contribute to the competitiveness and growth of domestic suppliers or to the domestic production of innovative, high-value products and production technologies.

- **Technology-Based Economic Development:** Economic development planning or implementation projects that foster regional knowledge ecosystems that support entrepreneurs and startups, including the commercialization of new technologies, that are creating technology-driven businesses and high-skilled, well-paying jobs of the future.
- **Environmentally Sustainable Development:** Economic development planning or

implementation projects that help address the climate crisis including through the development and implementation of green products (PDF), green processes (PDF) (including green infrastructure), green places (PDF), and green buildings (PDF).

- **Exports & FDI:** Economic development planning or implementation projects that enhance or build community assets to support growth in U.S. exports or increased foreign direct investment.

2 | The DOC EDA typically requires proposals to be consistent with the region's current Comprehensive Economic Development Strategy (CEDS) or equivalent EDA-accepted regional economic development strategy that meets EDA's CEDS or strategy requirements. It is important to review the plans and reports that affect your target area before investing significant resources in developing a project plan.

3 | Many of EDA's programs require a match. Programs may be nonconstruction- or construction-related.

QUICK REFERENCE CHART

DEPARTMENT OF COMMERCE (DOC), ECONOMIC DEVELOPMENT ADMINISTRATION				
OPPORTUNITY	ELIGIBILITY	DESCRIPTION	PIT-UN PRIORITIES	PIT-FOCUS AREA
B2S Program	IHE	Regional innovation initiatives that further tech-based economic development and accelerate job growth.	Career Pipeline/Placement	Data Science, AI, Cybersecurity, Community Engagement
			Educational Offerings	
			Faculty and Institution Building	
University Center Competitions	IHE	Developing a high-skilled workforce, building economic ecosystems, and supporting inclusiveness.	Career Pipeline/Placement	Data Science, AI, Cybersecurity, Climate Change, Law & Policy, Field Building-Community Engagement, Law & Policy, Student/Career Navigation
			Strengthening the Public Interest Tech University Network	Student/Career Navigation
PWEAA	IHE	Leverages existing regional assets to implement economic development strategies.	Career Pipeline/Placement	Career Pipeline/Placement: Data Science, AI, Cybersecurity, Climate, Field Building-Community Engagement, Law & Policy, Student/Career Navigation
			Strengthening the Public Interest Tech University Network	
FY 2021 American Rescue Plan Act EAA	IHE	Financial assistance for communities recovering from the economic impact of the coronavirus pandemic. Activities can include business incubators, technology-based facilities, science and research parks, telecommunications and broadband infrastructure, and more.	Career Pipeline/Placement	Data Science, AI, Cybersecurity, Field Building-Community Engagement, Student/Career Navigation
			Strengthening the Public Interest Tech University Network	
FY 2021 American Rescue Plan Act Build Back Better Regional Challenge	IHE	Supports industry growth across a region, fostering economic growth through job creation, capacity building, and attracting private	Career Pipeline/Placement	Data Science, AI, Cybersecurity, Field Building-Community Engagement, Student/Career Navigation
			Strengthening the Public Interest Tech University Network	
FY 2021 American Rescue Plan Act Good Jobs Challenge	IHE	Strengthens regional systems to develop partnerships that lead to well-paying jobs. Utilizes employer-driven training programs to connect individuals with emerging skills to employers.	Career Pipeline/Placement	Data Science, AI, Cybersecurity, Climate Change, Field Building-Community Engagement, Law & Policy, Student/Career Navigation
			Educational Offerings	
STEM Talent Challenge Program	Public- and state-controlled IHEs	STEM apprenticeship models that complement regional workforce efforts to create growth	Career Pipeline/Placement	Data Science, AI, Cybersecurity, Climate Change, Field Building-Community Engagement, Law & Policy, Student/Career Navigation
			Educational Offerings	Field Building-Community Engagement, Student/Career Navigation

FUNDING OPPORTUNITIES

Build to Scale Program (B2S)

EDA-HDQ-OIE-2022-2007288

NEXT EXPECTED APPLICATION DUE DATE: SPRING 2023	
Lead or Subaward? Either	MSI Specific: No
Research or program funding: Program	Previous posted date: February annually until 2022 when it switched to April 14, 2022
# of awards: 50	Previous close date: April annually, until 2022 when it switched to June 13, 2022
Award range: Up to \$2MM	Previous # of weeks between post and close: 8
Eligibility: IHE	
Required partnerships: Significant economic development and employer partnerships required	

Description:

This opportunity is focused on furthering **technology-based economic development initiatives that accelerate high-quality job growth, create more economic opportunities, and support the future of the next generation of industry-leading companies.** Designed to develop and support regional innovation initiatives. Organizations may be operating initiatives to unlock investment capital across a region or sector, operating programs to accelerate company growth, empowering the next generation of entrepreneurs, or enabling technology commercialization.

Under the Build to Scale program, EDA is soliciting applications for two separate competitions:

1. The **Venture Challenge:** advance technology-based economic development and through regional innovation ecosystems that promote

the commercialization of new technologies, strengthen growing industry clusters, and lead to the expansion of high-paying economic opportunities in communities, regions, or combinations of regions.

2. The **Capital Challenge:** increase access to capital, particularly in communities with a limited supply of equity-based funding and a demonstrated opportunity to invest in technology-based businesses aligned with growing industry and technology clusters.

Applicants must provide a matching share from nonfederal sources of at least 50% of the total project cost; i.e., applicants must match each federal dollar requested with at least one dollar of local match.

KEYWORDS: technology-based economic development, workforce development

University Center Competitions (Univ. Center Comp.)

EDA-ATL-TA-ATRO-2022-2007229 (ATLANTA REGIONAL OFFICE)

EDA-SEA-TA-SRO-2022-2007230 (SEATTLE REGIONAL OFFICE)

EDA-CHI-TA-CRO-2021-2006893 (CHICAGO REGIONAL OFFICE)

EDA-PHI-TA-PRO-2021-2006894 (PHILADELPHIA REGIONAL OFFICE)

NEXT EXPECTED APPLICATION DUE DATE: UNKNOWN	
Lead or Subaward? Either	MSI Specific: No
Research or program funding: Program	Previous posted date: March 1, 2022
# of awards: 10	Previous close date: April 29, 2022
Award range: Up to \$200k	Previous # of weeks between post and close: 8
Eligibility: IHE	
Required partnerships: See regional requirements in NOFO	
Regional Restrictions: Limited to IHEs that are located in or serving the geographical region served by the noted regional office. Two new regions have been targeted each year.	

Description:

This program is focused on one or more of the following program areas:

- Advancing regional commercialization efforts
- Encouraging business expansion in a region's innovation cluster(s)
- Advancing high-growth entrepreneurship
- **Developing a high-skilled regional workforce and increasing the resiliency of a region**
- **Cultivating innovation**

These funds enable IHEs and consortiums to establish and operate University Centers specifically focused on using university assets to build regional economic ecosystems that support innovation and high-growth entrepreneurship, resiliency, and inclusiveness. University Centers collaborate with other EDA partners, such as Economic Development Districts (EDDs) by providing expertise and technical assistance to develop, implement, and support regional strategies that result in **quality job creation, high-skilled regional talent pools,** and business expansion in a region's innovation

clusters. Expertise and technical assistance may address, for example, workforce training programs, applied research centers, technology commercialization, feasibility studies, market research, economic impact analyses training, and other technical assistance to help communities foster vibrant economic ecosystems.

KEYWORDS: historically underserved populations and areas, workforce development, job creation, high-growth entrepreneurship

Public Works and Economic Adjustment Assistance (PWEAA) Programs Including Cares Act Funding

PWEAA2020

NEXT EXPECTED APPLICATION DUE DATE: NO SUBMISSION DEADLINE. ACCEPTED ON A ROLLING BASIS.	
Lead or Subaward? Either	MSI Specific: No
Research or program funding: Program	Posted date: October 18, 2019
# of awards: 3,000	Close date: This opportunity closes when the next PWEAA NOFO is released, date unknown (expected to occur October 2022).
Award range: \$100k - \$30MM	Previous # of weeks between post and close: N/A
Eligibility: IHE	
Required partnerships: See NOFO	

Description:

EDA’s Public Works and Economic Adjustment Assistance programs provide economically distressed communities and regions with comprehensive and flexible resources to address a wide variety of economic needs. Projects funded by these programs support the mission of the department by, among other things, leading to the creation and retention of jobs and increased private investment, advancing innovation, enhancing the manufacturing capacities of regions, providing workforce development opportunities, and growing ecosystems that attract foreign direct investment.

Through the PWEAA NOFO, EDA solicits applications from applicants to provide investments that support construction, nonconstruction, planning, technical assistance, and revolving loan fund projects under EDA’s Public Works program and EAA programs (which includes Assistance to Coal Communities). Grants and cooperative agreements made under these programs are designed to leverage existing regional assets and support the implementation of economic development strategies that advance new ideas

and creative approaches to foster economic prosperity in distressed communities, including those negatively affected by changes to the coal economy.

KEYWORDS: job creation & retention, economic development, workforce development

While the following opportunity may not be pursued by an IHE that did not submit a concept outline, an institution may still participate by finding the regional leads and proposing a partnership. It is recommended that any interested institution reach out immediately to regional partners to request inclusion in their projects.

FY 2021 American Rescue Plan Act Economic Adjustment Assistance (Amer. Rescue)

EDA-2021-ARPAEAA

NEXT EXPECTED APPLICATION DUE DATE: MARCH 21, 2022	
Lead or Subaward? Either	MSI Specific: No
Research or program funding: Program	Previous posted date: July 22, 2021
# of awards: 250	Previous close date: Technically still open, but a soft due date of March 21, 2022 was included by the funder
Award range: \$100k - \$10MM	Previous # of weeks between post and close: Over 1 year
Eligibility: IHE	
Required partnerships: See notice	

Description:

This opportunity was designed to provide a wide range of financial assistance to communities and regions as they responded to, and recovered from, the economic impacts of the coronavirus pandemic, including long-term recovery and resilience to future economic disasters. This is the broadest NOFO EDA published under ARPA, and any eligible applicant from any EDA region was

allowed to apply. EDA expected to fund a number of projects under this NOFO that supported communities that were negatively affected by the downturn in the coal economy and were transitioning away from coal. Through this program, EDA supported both the development of pandemic recovery strategies and the implementation of recovery projects identified with those strategies. This

includes construction activities such as business incubators and accelerators, technology-based facilities, wet labs, science and research parks, workforce training facilities, and telecommunications infrastructure (e.g., broadband) and development facilities.

KEYWORDS: construction, science and research parks, workforce training facilities

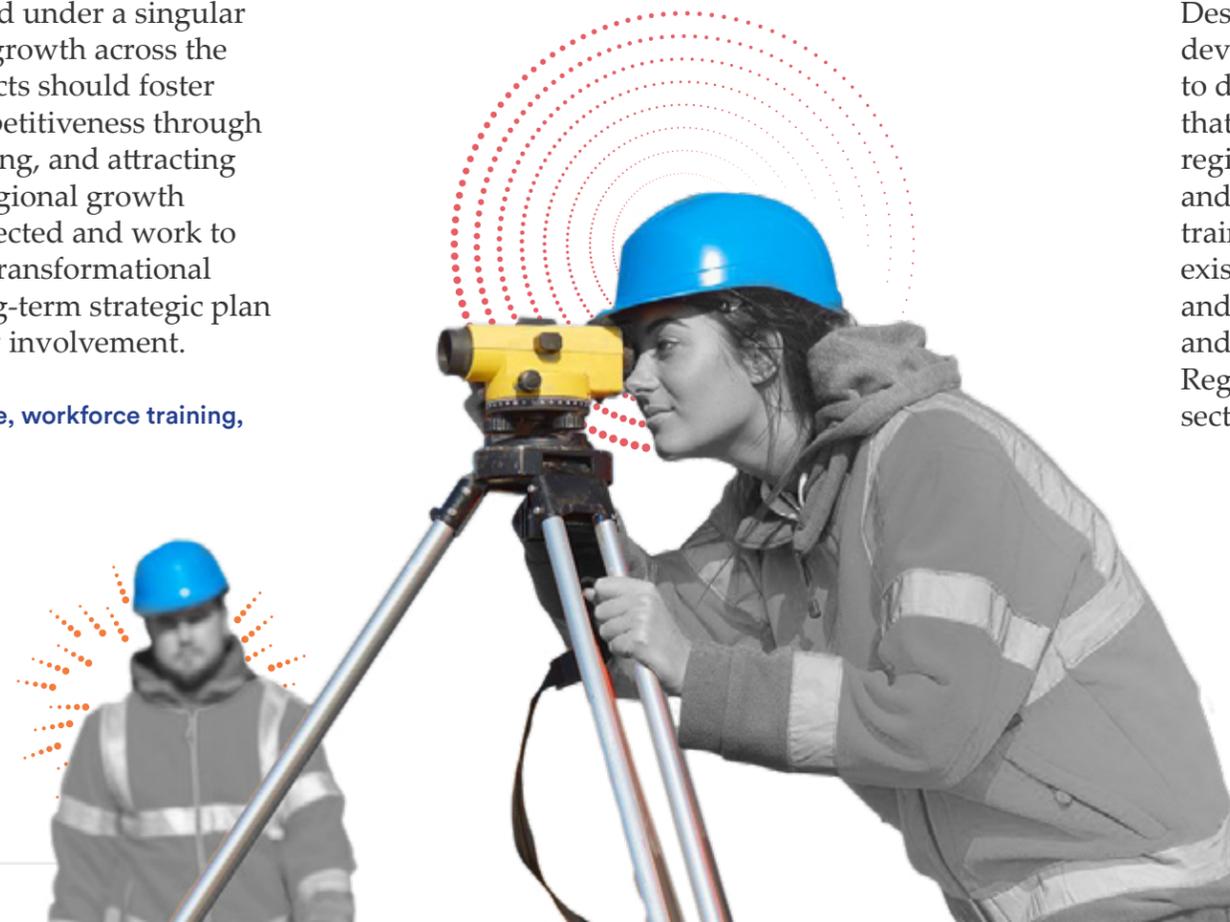
FY 2021 American Rescue Plan Act Build Back Better Regional Challenge (ARPA BBBRC)
 EDA-HDQ-ARPBBC-2021-2006976

NEXT EXPECTED APPLICATION DUE DATE: UNKNOWN	
Lead or Subaward? Either	MSI Specific: No
Research or program funding: Program	Previous posted date: July 22, 2021
# of awards estimated: 60	Previous close date: October 19, 2021
Award range: \$200k - \$500k	Previous # of weeks between post and close: 12
Eligibility: IHE	
Required partnerships: Form regional coalitions with private sector partners and other partners that will catalyze wage growth, increased economic growth, the creation of a new industry, or the scaling or growth of existing industries in their region.	

Description:

Projects should be organized under a singular vision to support industry growth across the region. The identified projects should foster economic growth and competitiveness through job creation, capacity building, and attracting private investment. Each regional growth cluster should be interconnected and work to drive competitiveness at a transformational scale and be linked to a long-term strategic plan developed with community involvement.

KEYWORDS: artificial intelligence, workforce training, growing tech



FY 2021 American Rescue Plan Act Good Jobs Challenge
 EDA-HDQ-ARPGJ-2021-2006964

NEXT EXPECTED APPLICATION DUE DATE: UNKNOWN	
Lead or Subaward? Either	MSI Specific: No
Research or program funding: Program	Previous posted date: July 22, 2021
# of awards estimated: 60	Previous close date: February 10, 2022
Award range: \$1MM - \$25MM	Previous # of weeks between post and close: 29
Eligibility: IHE	
Required partnerships: Employers, state and local governmental entities, economic development organizations, workforce development boards, employer-facing organizations, education and training providers, CBOs, WSOs, and labor unions.	

Description:

Designed to help get Americans back to work by developing and strengthening regional systems to develop and execute sectoral partnerships that lead to well-paying jobs. The goal of regional workforce training systems is to create and implement effective employer-driven training programs that connect employers' existing and emerging skills needs with workers and help workers find and keep quality jobs and advance along their chosen career path. Regional workforce training systems and sectoral partnerships funded under this NOFO

should connect employers in an industry with key regional stakeholders, including employers, state and local governmental entities, economic development organizations, workforce development boards, employer-facing organizations, education and training providers, community-based organizations, worker-serving organizations, and labor unions.

KEYWORDS: workforce training, quality jobs, career pathways

STEM Talent Challenge Program

EDA-HDQ-OIE-2021-2007015

NEXT EXPECTED APPLICATION DUE DATE: UNKNOWN	
Lead or Subaward? Either	MSI Specific: No
Research or program funding: Program	Previous posted date: August 12, 2021
# of awards: 10	Previous close date: October 12, 2021
Award range: Up to \$250k	Previous # of weeks between post and close: 8
Eligibility: Public- and state-controlled IHEs	
Required partnerships: see notice	

Description:

The STEM Talent Challenge program seeks to create and implement innovative science, technology, engineering and mathematics apprenticeship models that complement their respective region’s innovation economy. The STEM Talent Challenge seeks to develop or expand regional workforce capacity to support high-growth, high-wage entrepreneurial ventures, industries of the future (which usually includes industries that leverage emerging technologies), and other innovation-driven businesses that have a high likelihood of accelerating economic competitiveness and job creation in their respective regions.

KEYWORDS: apprenticeships, workforce development, STEM



DEPARTMENT OF DEFENSE (DOD)

FUNDER TIPS

- 1** | The Department of Defense is a source of funding related to technology and STEM education.
- 2** | Funding opportunities typically connect to helping military families, veterans, or spouses of veterans. While projects do not have to be solely focused on these target groups, potential applicants should be prepared to incorporate this factor.
- 3** | Partnerships with national defense laboratories or related defense installations can provide priority consideration.

- 4** | For grants related to workforce education and training, applicants should be prepared to address how project activities help the DOD with its national priorities in having a skilled civilian workforce, contract workforce, and military.

QUICK REFERENCE CHART

DEPARTMENT OF DEFENSE (DOD)				
OPPORTUNITY	ELIGIBILITY	DESCRIPTION	PIT-UN PRIORITIES	PIT-FOCUS AREA
Future Scholars for STEM Workforce Development Programs	IHE	Address disparities and participation for underrepresented communities in STEM programming that supports STEM learning and literacy.	Career Pipeline/Placement	Data Science, Cybersecurity, AI
			Educational Offerings	Data Science, Cybersecurity, AI
			Faculty and Institution Building	Community Engagement
NEEC	IHE	Innovative approaches for educating cybersecurity professionals and enhancing the pipeline of cybersecurity engineering candidates for national security positions. Or advancing methods and algorithms to complete complex maintenance tasks.	Career Pipeline/Placement	Data Science, Cybersecurity, AI
			Educational Offerings	Data Science, Cybersecurity, AI

FUNDING OPPORTUNITIES

Future Scholars for Stem Workforce Development Programs

FOA20AFRLRVKE0001

NEXT EXPECTED APPLICATION DUE DATE: STILL OPEN (FUNDING AVAILABILITY VARIES PER YEAR)	
Lead or Subaward? Either	MSI Specific: No
Research or program funding: Program	Posted date: June 17, 2020
# of awards: Unknown	Close date: June 17, 2025
Award range: \$25k - \$25MM	Previous # of weeks between post and close: N/A
Eligibility: IHE	
Required partnerships: Industry partners	

Description:

Funding supports STEM workforce development programs or projects that align with the federal STEM strategy and the DOD STEM mission. Seeking programs or projects that improve the capacity of education systems and communities to create impactful STEM educational experiences for students and teachers and prepare the 21st century STEM workforce. Programs or projects include internships (high school through doctoral), fellowship apprentice/residency programs, college or university project-based learning programs, formal or informal workforce development programs, or projects that align with the federal STEM strategy and DOD STEM mission program goals. AFRL's program goals are to:

1. Address geographic disparities and broaden participation for underrepresented and underserved communities.
2. Foster community engagement that supports and encourages STEM learning, understanding, building STEM skills and literacy in an evidence-based and innovative manner.
3. Increase awareness of DOD and AFRL science and technology priorities such as **artificial intelligence**/machine learning, biotechnology, **cybersecurity**, and DOD science and technologies.
4. Develop partnerships with industry and other organizations to promote sustainable STEM workforce development programs or projects.

KEYWORDS: AI, cybersecurity, workforce development, underrepresented populations

Naval Engineering Education Consortium (NEEC) Broad Agency Announcement for FY20

N00174200001

NEXT EXPECTED APPLICATION DUE DATE: UNKNOWN	
Lead or Subaward? Either	MSI Specific: No
Research or program funding: Research	Previous posted date: September 9, 2020
# of awards:15	Previous close date: October 30, 2020
Award range: \$100k - \$450k	Previous # of weeks between post and close: 7
Eligibility: IHE	
Required partnerships: Varies based on research	

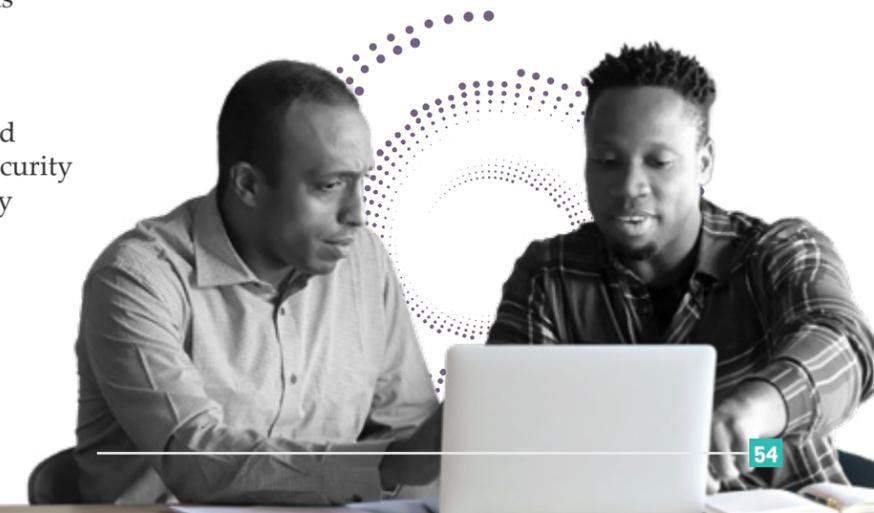
Description:

This funder is soliciting research within specific interests. Two examples include:

- Software Assurance and Cybersecurity: Automate formal verification and other software assurance techniques of complex software, given software transformation through automated language translation; employment of network technologies; distributed, edge, and cloud deployment; and software scrambling. Software safety and absolute traceability to systems engineering and software design artifacts are specific goals. We seek innovative proposals that seek to explore innovative approaches for educating cybersecurity engineering professionals, engaging them in topics of interest to the naval research enterprise, and enhancing the pipeline of qualified cybersecurity engineering candidates for national security positions.

- Advanced computer vision methods and algorithms to verify the completion and accuracy of complex maintenance tasks. Extend current methodologies to automatically advance the application after action is complete. Identify complex objects via available/interoperable mobile computing platforms such as tablets and AR devices. Consider interoperability with other maintenance-related applications.

KEYWORDS: research, software, cybersecurity



DEPARTMENT OF EDUCATION (DOE)

FUNDER TIPS

- 1** | Department of Education discretionary grants often focus on addressing enrollment, persistence, or completion issues related to different target populations, such as low-income individuals, first-generation students, and students of color. Some programs are specifically focused on serving the Hispanic population with enhanced educational services and programs.
- 2** | Applicants of Department of Education programs should be prepared to clearly identify capacity or other barriers to services and utilize evidence-based approaches to addressing these issues.
- 3** | Department of Education grants often help IHEs with addressing the provision of enhanced student services, such as mentoring, advising, or supplemental instruction. Equipment and supplies in the provision of education are typically allowable uses of funds.

QUICK REFERENCE CHART

DEPARTMENT OF EDUCATION (DOE)				
OPPORTUNITY	ELIGIBILITY	DESCRIPTION	PIT-UN PRIORITIES	PIT-FOCUS AREA
Title III	IHE	Programs support activities that help IHEs become self-sufficient and expand their capacity to serve low-income students by providing funds to improve and strengthen the academic quality, institutional management, and fiscal stability of eligible institutions.	Educational Offerings	Data Science, AI, Cybersecurity, Climate Change, Field Building-Community Engagement, Law & Policy
			Faculty and Institution Building	Community Engagement
Fund for the Improvement of Postsecondary Education	IHE	Improves postsecondary education through innovation.	Educational Offerings	Data Science, AI, Cybersecurity, Climate Change, Field Building-Community Engagement, Law & Policy
			Faculty and Institution Building	
Title V	HSI IHE	Expands educational offerings and institutional stability to increase educational opportunities for Hispanic students.	Educational Offerings	Data Science, AI, Cybersecurity, Climate Change, Field Building-Community Engagement, Law & Policy
			Faculty and Institution Building	
IREPO	IHE	Financial support to IHEs with the greatest unmet needs related to the coronavirus.	Educational Offerings	Data Science, AI, Cybersecurity, Climate Change, Field Building-Community Engagement, Law & Policy
			Faculty and Institution Building	
TRIO	IHE	Academic services for individuals from disadvantaged backgrounds.	Educational Offerings	Data Science, AI, Cybersecurity, Climate Change, Field Building-Community Engagement, Law & Policy
			Faculty and Institution Building	

FUNDING OPPORTUNITIES

Title III

NEXT EXPECTED APPLICATION DUE DATE: VARIOUS	
Lead or Subaward? Both	MSI Specific: Some opportunities are MSI only
Research or program funding: Program	Previous posted date: Varies
# of awards: Varies	Previous close date: Varies
Award range: Varies	Previous # of weeks between post and close: Varies
Eligibility: IHE	
Required partnerships: Partnerships are typically required	

Description:

Funding opportunities under the Title III programs support IHEs to become self-sufficient and expand their capacity to serve low-income students by providing funds to improve and strengthen the academic quality, institutional management, and fiscal stability of eligible institutions.

Funds may be used for planning, faculty development, and establishing endowment funds. Administrative management, and the development and improvement of academic programs also are supported. Other projects include joint use of instructional facilities, construction and maintenance, and student service programs designed to improve academic success, including innovative, customized, instruction courses designed to help retain students and move the students rapidly into core courses and through program completion, which may include remedial education and English language instruction.

Institutions must apply for Title III eligibility and submit a copy of their approval to the DOE with their grant proposal.

Examples of Title III funding opportunities:

Strengthening Institutions Program (due in 2023)

SIP grants occur every other year, the most recent occurred in 2021. SIP grants are discretionary grants given to eligible IHEs to help them become self-sufficient and expand their capacity to serve low-income students, by providing funds to improve and strengthen the institution’s academic quality, institutional management, and fiscal stability. Funds may be used for the development and improvement of academic instruction and purchasing technology equipment for student use. Awards are between \$400,000 and \$600,000.

Strengthening Historically Black Graduate Institutions Program (due April 30, 2024)

The Strengthening Historically Black Graduate Institutions (HBGI) Program provides grants to assist institutions in establishing and strengthening their physical plants, development offices, endowment funds, academic resources and student services so that they may continue to participate in fulfilling the goal of equality of educational opportunity in graduate education. Subject to the availability of funds, the secretary of education shall award program grants to institutions determined by the secretary to be making a substantial contribution to the legal, medical, dental, veterinary, or other graduate education opportunities in mathematics, engineering, or the physical or natural sciences for Black Americans. Funds may be used to purchase, rent, or lease scientific or laboratory equipment. Also supported are construction, maintenance, renovation, and improvement of instruction facilities. Funds

support faculty exchanges and the development of academic instruction in disciplines in which black Americans are underrepresented. Awards typically fall between \$1.2 million and \$3.8 million.

Alaska Native- and Native Hawaiian-serving Institutions (previous due date: May 31, 2022)

This program provides grants and related assistance to eligible Alaska Native-serving institutions and Native Hawaiian-serving institutions of higher education to enable such institutions to improve and expand their capacity to serve Alaska Natives and Native Hawaiians. The average annual grant is \$800,000 for development grants; \$900,000 for cooperative arrangement grants; and \$2 million for renovation grants. This grant opportunity occurs annually.

KEYWORDS: planning, endowment, construction, maintenance, expanded capacity, MSI

Fund for the Improvement of Postsecondary Education (FIPSE)

NEXT EXPECTED APPLICATION DUE DATE: VARIOUS	
Lead or Subaward? Both	MSI Specific: Some opportunities are MSI only
Research or program funding: Program	Previous posted date: Varies
# of awards: Varies	Previous close date: Varies
Award range: Varies	Previous # of weeks between post and close: Varies
Eligibility: IHE	
Required partnerships: Partnerships are typically required	

Description:

The FIPSE program improves postsecondary education through innovation and expects lasting solutions after a grant period ends.

Examples of past FIPSE funding opportunities:

First in the World

The FITW program is designed to support the development, replication, and dissemination of innovative solutions and evidence for what works in addressing persistent and widespread challenges in postsecondary education for students who are at risk for not persisting in and completing postsecondary programs, including adult learners, working students, part-time students, students from low-income backgrounds, students of color, students with disabilities, and first-generation students.

enrolled in higher education or students who are no longer enrolled because of challenges they faced during the COVID-19 pandemic and close to completion. Institutions may opt to supplement or expand evidence-based and data-driven activities to support retention and completion for both groups. This program aims to improve student outcomes, including retention, transfer, credit accumulation, and completion, by augmenting evidence-based activities that are already underway at IHEs. Awards range from \$600,000 to \$1 million.

KEYWORDS: innovation, completions, persistence

Postsecondary Success Program (due: October 11, 2022)

The purpose of this program is to promote postsecondary completion for students close to completion, whether for students currently

Title V - Developing Hispanic-Serving Institutions Program

NEXT EXPECTED APPLICATION DUE DATE: UNKNOWN	
Lead or Subaward? Either	MSI Specific: HSI only
Research or program funding: Program	Previous posted date: April 6, 2022
# of awards: 79	Previous close date: June 6, 2022
Award range: Up to \$600k	Previous # of weeks between post and close:
Eligibility: HSI IHE	
Required partnerships: see notice	

Description:

This program expands educational opportunities for Hispanic students. These grants also enable HSIs to expand and enhance their academic

offerings, program quality, and institutional stability. Funds may be used for activities such as scientific or laboratory equipment

for teaching, construction or renovation of instructional facilities, faculty development, purchase of educational materials, academic tutoring or counseling programs, funds and administrative management, joint use of facilities, endowment funds, distance learning academic instruction, teacher education, and student support services. This funding opportunity is released at different times each round, so carefully monitoring of release and due dates is recommended.

Applicants must be designated as a Title V institution to apply. The Title V designation is a separation application process through the Department of Education.

KEYWORDS: institutional stability, Hispanic students, Hispanic-serving institutions

Institutional Resilience and Expanded Postsecondary Opportunity (IREPO)

ED-GRANTS-082120-001

NEXT EXPECTED APPLICATION DUE DATE: UNKNOWN	
Lead or Subaward? Either	MSI Specific: No
Research or program funding: Program	Previous posted date: August 21, 2020
# of awards: Unknown	Previous close date: October 20, 2020
Award range: Unknown	Previous # of weeks between post and close:
Eligibility: IHE	
Required partnerships: see notice	

Description:

The purpose of the IREPO Grants, offered under section 18004(a)(3) of the CARES Act and FIPSE, is to provide financial support to IHEs with the greatest unmet needs related to coronavirus to enable them to resume operations, serve the needs of students, reduce disease transmission, and develop more resilient instructional delivery models, such as distance learning, to continue educating students who cannot or choose not to attend classroom-based instruction due to coronavirus.

CARES Act funding is still being distributed, which may result in another funding opportunity.

KEYWORDS: coronavirus, resume operations

Trio Programs

NEXT EXPECTED APPLICATION DUE DATE: VARIOUS	
Lead or Subaward? Both	MSI Specific: Some opportunities are MSI only
Research or program funding: Program	Previous posted date: Varies
# of awards: Varies	Previous close date: Varies
Award range: Varies	Previous # of weeks between post and close: Varies
Eligibility: IHE	
Required partnerships: Partnerships are typically required	

Description:

Description: The Federal TRIO Programs are federal outreach and student services programs designed to identify and provide **services for individuals from disadvantaged backgrounds.**

TRIO Funds
might be used for
PIT Program Onramps

TRIO includes eight programs targeted to serve and assist **low-income individuals, first-generation college students, and individuals with disabilities** to progress through the academic pipeline from middle school to graduate programs.

Examples of TRIO programs:

Upward Bound (Due Date: December 16, 2021)

This is a discretionary grant program that supports projects designed to provide students with the skills and motivation necessary to complete a program of secondary education and enter into and succeed in a program of postsecondary education. The program supports underserved students (as defined by the funder). Two-thirds of the students in the program must be low-income individuals who are first-generation college students. The program provides support services to increase academic performance, retention, and graduation. Awards range from \$287,000 to \$991,000.

KEYWORDS: underserved students, retention, graduation

Educational Opportunity Centers Program

The Educational Opportunity Centers program provides counseling and information on college admissions to qualified adults who want to



enter or continue a program of postsecondary education. The program also provides services to improve financial and economic literacy. An important objective of the program is to counsel participants on financial aid options, including basic financial planning skills, and to assist in the application process. The goal of the EOC program is to increase the number of adult participants who enroll in postsecondary education institutions. The grant competition is held every four years. The average EOC grant award amount is \$370,458.

KEYWORDS: data literacy, community outreach

Talent Search Program (next due date expected in 2025)

The Talent Search program identifies and assists individuals from disadvantaged backgrounds who have the potential to succeed in higher education. The program provides academic, career, and financial counseling to participants and encourages them to graduate from high school and continue on to and complete their postsecondary education. The grant awards for this program are around \$270,000 per year and are directly tied to the number of participants served. The grant competition is held every four years.

DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)

FUNDER TIPS

- 1** | HHS grants provide opportunities for projects at the intersection of technology and the provision of health care services.
- 2** | Grant projects can have a research or application focus
- 3** | MSIs are strongly encouraged to apply to HHS funding opportunities. HHS grant opportunities often target underserved populations. HHS prefers MSI involvement or leadership in programs and research that target underserved populations.

QUICK REFERENCE CHART

DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)				
OPPORTUNITY	ELIGIBILITY	DESCRIPTION	PIT-UN PRIORITIES	PIT-FOCUS AREA
RERCs on Universally Accessible IT	IHE	Conduct advanced engineering research on and development of innovative technologies that are designed to solve particular rehabilitation problems or to remove environmental barriers.	Career Pipeline/Placement	Data Science, AI
			Educational Offerings	Data Science, AI
			Faculty and Institution Building	Community Engagement
Using Innovative Digital Health Care Solutions to Improve Quality at the Point of Care	IHE	Research projects that test promising digital health care interventions intended to improve quality at the point of care	Career Pipeline/Placement	Data Science, Cybersecurity, AI
			Educational Offerings	Data Science, Cybersecurity, AI
LEAP for Health IT	IHE	Address well-documented and fast emerging challenges inhibiting the development, use, or advancement of well-designed, interoperable health IT, which is scalable across the health care industry.	Career Pipeline/Placement	Data Science, Cybersecurity, AI
			Educational Offerings	Data Science, Cybersecurity, AI
AHRQ Health Services Research Demonstration & Dissemination Grants	IHE	Research that will harness data and technology to improve health care quality and patient outcomes.	Career Pipeline/Placement	Data Science, Cybersecurity, AI
			Educational Offerings	Data Science, Cybersecurity, AI
Tech Development to Reduce Health Disparities	IHE	Encourages the development and translation of medical technologies.	Career Pipeline/Placement	Data Science, Cybersecurity, AI
			Educational Offerings	Data Science, Cybersecurity, AI
Leveraging Health IT to Address & Reduce Health Care Disparities	IHE	Research examining the impact of leveraging health IT to reduce disparities in access and utilization of health care services, quality of care, and communication.	Career Pipeline/Placement	Data Science, Cybersecurity, AI
			Educational Offerings	Data Science, Cybersecurity, AI

FUNDING OPPORTUNITIES

Rehabilitation Engineering Research Centers (RERC) on Universally Accessible Information Technology

HHS-2023-ACL-NIDILRR-REGE-0097

NEXT EXPECTED APPLICATION DUE DATE: APRIL 24, 2023

Lead or Subaward? Either	MSI Specific: No
Research or program funding: Both	Expected post date: February 24, 2023
# of awards: 1	Close date: expected April 24, 2023
Award range: \$920k - \$925k	Previous # of weeks between post and close: N/A
Eligibility: IHE	
Required partnerships: See notice	

Description:

The purpose of the RERC program is to improve the effectiveness of services authorized under the Rehabilitation Act by conducting advanced engineering research on and development of innovative technologies that are designed to solve particular rehabilitation problems or to remove environmental barriers. RERCs also demonstrate and evaluate such technologies, facilitate service delivery system changes, stimulate the production and distribution of new technologies and equipment in the private sector, and provide training opportunities. The purpose of this particular RERC is to conduct

research, development, and related activities that help ensure that accessibility standards are met or exceeded for ICT used by people with disabilities; promote availability and usability of individualized ICT configurations for people with disabilities across devices and contexts; and identify barriers to and facilitators of sustainable adoption of innovations that provide universal access to ICT.

KEYWORDS: accessibility, technology, equipment

Using Innovative Digital Health Care Solutions to Improve Quality at the Point of Care

PA-21-164

NEXT EXPECTED APPLICATION DUE DATE: ROLLING BASIS, CLOSES JULY 17, 2024

Lead or Subaward? Lead	MSI Specific: No
Research or program funding: Research	Posted date: February 9, 2021
# of awards: N/A	Close date: July 17, 2024
Award range: R21 phase: \$275k, R33 phase: \$750k	Previous # of weeks between post and close: N/A
Eligibility: IHE	
Required partnerships: see notice	

Description:

This opportunity aims to support phased exploratory and developmental research projects that test promising digital health care interventions intended to improve quality at the point of care. Research should be designed to test promising digital health care solutions that enable or facilitate technology-driven, point of care process solutions that use advanced analytics, patient-centered clinician and patient-facing digital health care technologies, or

clinical decision support systems to improve quality and health outcomes at the point of care. A theoretical framework should inform the research study and incorporate the use of care models when appropriate.

KEYWORDS: exploratory, development, digital healthcare, point of care



Leading Edge Acceleration Projects (LEAP) for Health IT

ONC-NAP-AX-22-001

NEXT EXPECTED APPLICATION DUE DATE: UNKNOWN	
Lead or Subaward? Either	MSI Specific: No
Research or program funding: Both	Forecasted release: 2022
# of awards: 2	Close date: Unknown
Award range: Unknown	Previous # of weeks between post and close: N/A
Eligibility: IHE	
Required partnerships: Unknown	

Description:

Leading Edge Acceleration Projects in health information technology will address well-documented and fast emerging challenges inhibiting the development, use, or advancement of well-designed, interoperable health IT, which is scalable across the health care industry. Solutions are expected to further a new generation of health IT research and inform the development, implementation, and refinement of standards, methods, and techniques for

overcoming major barriers and challenges in an innovative fashion as they are identified. It is critical that the field of health care innovate and leverage the latest technological advancements and breakthroughs far quicker than it currently does to optimize real-time solutions, especially in areas that are ripe for acceleration.

KEYWORDS: health IT, solutions, research and development



AHRQ Health Services Research Demonstration and Dissemination Grants (R18)

PA-18-793

NEXT EXPECTED APPLICATION DUE DATE: OCTOBER 1, 2023	
Lead or Subaward? Either	MSI Specific: No
Research or program funding: Research	Posted date: May 28, 2018
# of awards: Unknown	Close date: October 1, 2023
Award range: Up to \$400k per year	# of weeks between post and close: Over 1 year
Eligibility: IHE	
Required partnerships: N/A	

Description:

Projects may address important topics such as the surveillance, measurement, detection, and reporting of patient safety events; the impact of human performance, workflow, and working conditions on patient safety; the patients' role and contribution to patient safety; health care safety culture, leadership, communication, teamwork, and simulation; prevention and control of health care-associated infections; diagnostic safety and quality; the safe use of medical devices and medications, including safely prescribing opioids; the role of Patient Safety Organizations; and the challenges inherent in transitions of care in the same setting and between settings and handoffs between health

care providers. The funder is interested in health care-associated infection research in the following broad areas:

- Determination of the clinical efficacy and effectiveness of preventive interventions, including unintended adverse consequences.
- Characterization and assessment of relevant epidemiological aspects of HAIs, including patient risk factors, clinical presentation, and sources of antibiotic-resistant organisms involved in the development of HAIs.
- Demonstration, dissemination, and evaluation of strategies and approaches for prevention and reduction of HAIs.
- Research regarding adoption and implementation

(including sustainment, spread, and scale-up) of evidence-based approaches for prevention of HAIs.

This program focuses on:

- **Harnessing data and technology to improve healthcare quality and patient outcomes and to provide a 360-degree view of the patient.**
- Improving health care quality outcomes by providing integrated, coordinated whole-person, 360-degree care to optimize individual and population health outcomes.
- Implementing research findings to accelerate the spread of evidence-based practices.

KEYWORDS: technology, quality health care

Technology Development to Reduce Health Disparities (R01 Clinical Trial Optional)

RFA-EB-21-001

NEXT EXPECTED APPLICATION DUE DATE: PROPOSALS ACCEPTED ON ROLLING BASIS UNTIL MAY 3, 2024

Lead or Subaward? Either	MSI Specific: No, but highly encouraged to apply
Research or program funding: Program	Posted date: December 10, 2021
# of awards:	Close date: May 3, 2024
Award range: Up to \$500k per year	Previous # of weeks between post and close: over 1 year
Eligibility: IHE	
Required partnerships:	

Description:

The primary objective of this funding opportunity is to encourage the development and translation of medical technologies. Applications submitted to this funding opportunity should address one or more of these barriers in developing technologies that affect health disparities. Examples include the following barriers.

- *Physical:* Factors such as proximity to health care facilities and transportation may limit access to health care
- *Knowledge:* Health literacy and language barriers, as well as a lack of patient information for the health care provider, can inhibit health care delivery
- *Infrastructure:* Rural hospitals and community health centers may not have the same resources and expertise of large hospitals and may not be able to afford advanced medical technologies

- *Economic:* Lack of internet access, insurance coverage, or financial resources may also contribute to disparities in health care access
- *Cultural:* Religious beliefs and social customs often deter certain populations from seeking health care

Technologies of interest may be new or may be adaptations of existing technologies that have been redesigned to overcome one or more disparity-related barriers. A technology must provide an improvement over the current quality of care for a health disparity population.

KEYWORDS: medical technology, software apps, removing barriers

Leveraging Health Information Technology (Health IT) to Address and Reduce Health Care Disparities (R01 Clinical Trial Optional)

PAR-22-145

NEXT EXPECTED APPLICATION DUE DATE: MAY 7, 2025

Lead or Subaward? Either	MSI Specific: No, but highly encouraged to apply
Research or program funding: Research	Posted date: March 31, 2022
# of awards: Unknown	Close date: May 7, 2025
Award range: No specified limit	Previous # of weeks between post and close: over 1 year
Eligibility: see notice	
Required partnerships: see notice	

Description:

This opportunity supports research that examines the impact of leveraging health information technology to reduce disparities in access to and utilization of health care services, quality of care, patient-clinician communication, and health outcomes for populations that experience health disparities in the U.S. Research encouraged under this FOA includes multilevel (e.g., patient, clinician, and health care system) approaches to develop interventions that leverage health IT tools to improve the health outcomes of populations that experience health disparities.

KEYWORDS: research, health information technology



BONUS OPPORTUNITY

NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)

Digital Humanities Advancement Grants

20230112-HAA

NEXT EXPECTED APPLICATION DUE DATE: JANUARY 12, 2023

Lead or Subaward? Subaward for 4-year IHEs	MSI Specific: No
Research or program funding: Both	Posted date: August 16, 2022
# of awards estimated: 15	Close date: January 12, 2023
Award range: \$150k - \$400k	# of weeks between post and close: 21
Eligibility: IHE	
Required partnerships: Libraries and archives	

Description:

This program supports innovative, experimental, or computationally challenging digital projects, leading to work that can scale to enhance scholarly research, teaching, and public programming in the humanities. It is in support of NEH's efforts to advance national information infrastructures in libraries and archives, and support America's libraries, archives, museums, and related organizations. Supports innovative collaborations between library and archives

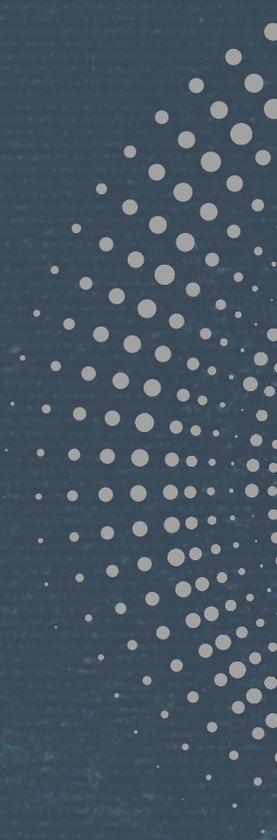
professionals, humanities professionals, information scientists, and relevant public communities that advance the preservation of, access to, and public engagement with, digital collections and services. Applicants should strengthen knowledge networks, empower community learning, foster civic cohesion, advance research, and support traditionally underserved populations.

KEYWORDS: information infrastructure, underserved communities, library, archives

NEH

was not included in the research for this report, however there are opportunities that align with PIT goals.

We recommend NEH as a source for further research.



 **NEW
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