



U.S. National
Science Foundation

RHODE ISLAND

FY 2023 Fast Facts



\$60,755,000

Total NSF Awards
to Rhode Island



\$52,904,000

Invested in Fundamental
Research in Rhode Island



\$7,851,000

Invested in STEM Education
in Rhode Island



\$793,000

Invested in Rhode Island
Businesses

Top NSF-funded Academic Institutions for FY 2023

Brown University
\$34,876,000

University of Rhode Island
\$22,730,000

Providence College
\$234,000

NSF By The Numbers

The U. S. National Science Foundation (NSF) is an [\\$9.06 billion](#) independent federal agency created by Congress in 1950 to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense. NSF's vital role is to support basic research and researchers who create knowledge that transforms the future.

DID YOU KNOW?

NSF has funded the work of **261** Nobel Prize winners over 75 years.



\$9.06B
FY 2024
Total Enacted

93%
Funds research,
education and
related activities



11K
Awards



1.9K
Institutions



353K
People

**Data represents FY 2023 Actuals unless otherwise indicated*



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Expanding the Frontiers of Science

The Community-Driven Coastal Climate Research & Solutions project at **Brown University**, funded by an NSF Research Infrastructure Improvement Track-2 Focused Established Program to Stimulate Competitive Research collaboration award, is a significant and timely initiative that addresses the pressing issue of climate change in low-lying, working waterfront communities in New England. These communities, which are deeply intertwined with ocean resources, are disproportionately vulnerable to the adverse impacts of climate change. The project is developing the knowledge, data, modeling and human network infrastructure to support a community-driven New England Hub for coastal climate resilience. In particular, the project is engaged in (1) identifying and measuring dynamic changes in human health, wellbeing, habitability, environment and other climate vulnerabilities; (2) downscaling climate model outputs and information to the community level and projecting the impacts of climate resilience for planners; and (3) expanding the capacity to incorporate data, knowledge and expert networks into community resilience planning processes. The observational data, community-driven metrics of resilience and climate adaptation narratives gathered by the project will be collected, analyzed and disseminated through their community knowledge collective.



STEM Education and Broadening Participation

Quantum information science and technology (QIST) is a national priority that is expected to be crucial in advancing scientific discovery and innovation. The current and anticipated demand for a quantum-educated workforce far exceeds the available talent, which does not reflect the population's diversity. Through The NSF Experiential Learning for Emerging and Novel Technologies program, the **University of Rhode Island (URI)** is developing a new online quantum computing certificate program at URI. The program consists of four seven-week asynchronous online courses. Its primary objectives are twofold: to establish a solid foundation in quantum algorithms, which can be applied to real-world industry use cases and to provide a comprehensive understanding of various aspects of QIST, such as sensing, quantum teleportation, cryptography and communication. This project's unique feature lies in its collaboration with the MITRE Corporation. Real-world QIST challenges will be integrated into the educational projects, which the researchers and MITRE will jointly develop. Through active participation in these educational projects, participants will gain practical experience in tackling authentic QIST problems.



Regional Innovation Engines

NSF Regional Innovation Engines (NSF Engines) Development Awards help organizations create connections and develop their local innovation ecosystem within two years to prepare a strong proposal for becoming a future NSF Engine. The program seeks regional teams rooted within industry, academia, government, nonprofits, civil society and communities of practice to catalyze and foster innovation ecosystems across the U.S. which will advance critical technologies, address national and societal challenges, promote economic growth and job creation, spur sustainable regional innovation and nurture diverse talent.

To stay in the loop about future funding calls and opportunities to engage, [sign up for the NSF Engines newsletter](#).

EPSCoR

COMPETITIVE RESEARCH | Rhode Island is one of 28 U.S. states or territories under the [NSF Established Program to Stimulate Competitive Research \(EPSCoR\)](#). **\$5,331,435** in awards have been made to Rhode Island academic institutions through EPSCoR in FY 2023. For more information, visit Rhode Island's EPSCoR state web page.

NCSES

According to the [NSF National Center for Science and Engineering Statistics \(NCSES\)](#), which is housed in NSF, 30% of science, engineering and health doctorates conferred in Rhode Island are made in life sciences. [Visit Rhode Island's science and engineering state profile to learn more!](#)

- 33.77%** of Rhode Island's [higher education degrees are concentrated in S&E fields](#).
- 5.44%** of Rhode Island's [workforce is employed in S&E occupations](#).
- 7.22%** of Rhode Island's [total employment is attributable to knowledge - and technology - intensive industries](#).

Learn More

CHIPS & SCIENCE – The CHIPS and Science Act's investments in the U.S. National Science Foundation will help the United States remain a global leader in innovation. Implementation of this legislation will be key to ensuring that ideas, talent and prosperity are unleashed across all corners of the nation. [For more information, please visit the NSF CHIPS and Science website.](#)

RESEARCH SECURITY – NSF is committed to safeguarding the integrity and security of science and engineering while also keeping fundamental research open and collaborative. NSF seeks to address an age of new threats and challenges through close work with our partners in academia, law enforcement, intelligence and other federal agencies. By fostering transparency, disclosure and other practices that reflect the values of research integrity, NSF is helping to lead the way in ensuring taxpayer-funded research remains secure. [To learn more, please visit the NSF Research Security website.](#)

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