



U.S. National  
Science Foundation

# IDAHO



## FY 2023 Fast Facts



**\$32,042,000**

Total NSF Awards  
to Idaho



**\$24,871,000**

Invested in Fundamental  
Research in Idaho



**\$6,871,000**

Invested in STEM  
Education in Idaho



**\$295,000**

Invested in Idaho  
Businesses

## Top NSF-funded Academic Institutions for FY 2023

Boise State University  
**\$18,371,000**

University of Idaho  
**\$9,583,000**

Idaho State University  
**\$2,872,000**

## 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*



[www.nsf.gov](http://www.nsf.gov)

2415 Eisenhower Avenue | Alexandria, VA 22314



## Expanding the Frontiers of Science

An NSF Future of Semiconductors award to **Boise State University** is supporting a team of experts from the Pacific Northwest and Mid-Atlantic regions of the United States who are exploring biological approaches to miniaturize computing architectures. By merging computational sciences and experiments at the nexus of DNA nanotechnology and 2D materials, the team is hoping to develop novel energy-efficient neural computing devices which can help reduce global computing-related energy demands. These devices include 2D synapses and their neuromorphic circuits, and the team is currently creating the DNA nanostructure templates which will enable their construction. In close collaboration with community college partners, the team is developing a skilled workforce capable of leveraging both synthetic biological processes and emerging 2D materials in the design and development of next-generation computing paradigms.



## STEM Education and Broadening Participation

A project led by **Idaho State University** and supported by the NSF CyberCorps® Scholarship for Service (SFS) program has been extended this year to train additional cybersecurity professionals. Having trained 100 professionals since the project's inception in 2003, this project selects highly motivated, high-performing students from diverse academic backgrounds to engage in a cohort-based education-professional experience. Students participate in solving complex cybersecurity challenges, including planning, designing and carrying out an annual cybersecurity competition in regional higher education institutions. CyberCorps SFS scholars learn cybersecurity strategy, federal policy, risk management and incident response from qualified faculty and staff in formal classroom settings and can apply their knowledge to solve current and future challenges through research opportunities, cybersecurity competitions and a final cybersecurity project. CyberCorps SFS scholars interact regularly with program alumni, who can provide scholarship recipients with relevant and timely insights about federal service in the cybersecurity field. Eventually, the students prepare for and take externally validated professional certification exams, such as Security+ and Certified Information Systems Security Professional, before serving as interns for and accepting employment in the federal executive branch.



## Regional Innovation Engines

U.S. National Science Foundation 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. to 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** | Idaho is one of 28 U.S. states or territories under the [NSF Established Program to Stimulate Competitive Research \(EPSCoR\)](#). **\$8,155,656** in awards have been made to Idaho academic institutions through EPSCoR in FY 2023. For more information, visit Idaho's EPSCoR state web page.

## NCSES

According to the [NSF National Center for Science and Engineering Statistics \(NCSES\)](#), which is housed in NSF, 29% of science, engineering and health doctorates conferred in Idaho are made in engineering. [Visit Idaho's science and engineering state profile to learn more!](#)

**26.86%** of [Idaho's higher education degrees are concentrated in S&E fields.](#)

**4.34%** of [Idaho's workforce is employed in S&E occupations.](#)

**6.05%** of [Idaho'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.](#)

**CONNECT WITH NSF** – For more information on NSF's impact in your state, please contact the NSF Office of Legislative and Public Affairs at [congressionalteam@nsf.gov](mailto:congressionalteam@nsf.gov).