National Science Foundation

# IDAHO

## FY 2022 Fast Facts

**$42,174,000**
Total NSF Awards to Idaho

**$27,571,000**
Invested in Fundamental Research in Idaho

**$14,604,000**
Invested in STEM Education in Idaho

**$246,000**
Invested in Idaho Businesses

## Top NSF-funded Academic Institutions for FY 2022

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|---|---|
| University of Idaho | $22,102,822 |
| Boise State University | $13,456,361 |
| Idaho State University | $3,963,293 |

## NSF By The Numbers

The National Science Foundation (NSF) is a $9.5 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.

**11K** Number of awards NSF funds each year

**$9.9B** FY 2023 Enacted

**39K** Proposals evaluated

**$1.6B** STEM education

**1.8K** NSF-funded institutions

**93%** Funds research, education and related activities

**352K** People NSF supported

**258** NSF-funded Nobel Prize winners

*Data represents FY 2022 Actuals unless otherwise indicated.*

## Expanding the Frontiers of Science

Through the CyberCorps® Scholarship for Service program, the **University of Idaho** has prepared students to enter the federal workforce across the nation, supporting cybersecurity operations and research in many aspects of the government, including the military, intelligence, law enforcement, federal banking, government operations, political branch and critical infrastructure sectors. The university continues to educate and train diverse, highly skilled and adaptable cybersecurity professionals. Graduates from the program have a foundational knowledge strongly rooted in mathematics and scientific theory, a practical set of skills learned through hands-on laboratory experience, and a research-oriented innovative approach to problem-solving. Students are prepared to learn new technologies and systems and adapt to the ever-changing aspects of cyberspace and cybersecurity. In addition, graduates have the presentation, communication and management skills necessary to be effective in the workforce, enabling them to design, develop and maintain the secure and resilient computing systems critical to the government, thriving digital economy and nation.

## STEM Education and Broandening Participation

Led by **Boise State University** and funded through NSF's Scholarships in Science, Technology, Engineering, and Mathematics Program, the New Pathways to STEM careers in Southern Idaho project contributes to the national need for well-educated scientists, mathematicians, engineers and technicians by supporting the retention and graduation of high-achieving, low-income students with demonstrated financial need at Boise State University and two strategically located community colleges in Idaho, the **College of Western Idaho** and the **College of Southern Idaho**, a Hispanic-serving institution. The goal of this collaborative project is to form a higher education consortium across Southern Idaho that provides responsive recruiting, retention and career pathways for engineering and computer science students from underserved populations. These institutions serve three of the counties with the largest Hispanic population in the state and a significant proportion of the state's low-income rural population. This collaborative project will develop new accessible pathways into engineering and computer science careers and create an educational ecosystem that provides opportunities for low-income students with demonstrated academic potential to pursue a rewarding engineering and computer science career.

## Regional Innovation Engines

The NSF Engines program envisions fostering flourishing regional innovation ecosystems across the country, providing a unique opportunity to spur economic growth in regions that have not fully participated in the technology boom of the past few decades. 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 impact the economy within a geographic region, address societal challenges, and advance national competitiveness. Find potential NSF engines in your state.

## EPSCoR

**COMPETITIVE RESEARCH** | Idaho is one of 28 U.S. states or territories under NSF's Established Program to Stimulate Competitive Research (EPSCoR). Over **$16,470,000** in awards have been made to Idaho academic institutions through EPSCoR in FY 2022. For more information, visit Idaho's EPSCoR state web page.

## NCSES

According to the 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!

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|---|---|
| **26.86%** | of **Idaho's** higher education degrees are concentrated in S&E fields. |
| **4.34%** | of **Idaho's** workforce are 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 NSF's 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 NSF's Research Security website.

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