



U.S. National
Science Foundation

NSF 75
YEARS OF
INNOVATION

2025 marks the 75th anniversary of NSF. Throughout the year, the agency will host in-person and virtual activities to commemorate this significant milestone. For more information, visit: [nsf.gov/75years](https://www.nsf.gov/75years)



ALABAMA

● FAST FACTS



\$95,806,000

Total NSF Awards to Alabama



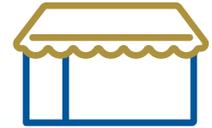
\$65,337,000

Invested in Fundamental Research in Alabama



\$30,468,000

Invested in STEM Education in Alabama



\$2,070,000

Invested in Alabama Businesses

● TOP NSF-FUNDED ACADEMIC INSTITUTIONS

Auburn University
\$24,151,000

University of Alabama
\$20,074,000

University of Alabama at Birmingham
\$13,528,000

● NSF BY THE NUMBERS

The U.S. National Science Foundation (NSF) is an independent federal agency created by Congress in 1950 to promote the progress of science; to advance the national health, prosperity, and welfare; and to secure the national defense. To fulfill this vital role, NSF supports basic research and researchers who create knowledge that transforms the future.

DID YOU KNOW? NSF has funded the work of **268** Nobel Prize winners over 75 years.



\$9.06B
FY 2024
Total Enacted

92%
Funds research, education and related activities



11K
Awards



1.9K
Institutions



358K
People

"Data represents FY 2024 Actuals unless otherwise indicated"



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INNOVATION | *Generating new knowledge that provides a greater understanding of the world around us*

Rising temperatures and more frequent droughts threaten to reduce yields across the agricultural sector. One group facing particular risk is southern U.S. soybean farmers. In an effort to assist these farmers, an NSF Research Infrastructure Improvement Track-2 Focused EPSCoR Collaboration project at the **University of Alabama at Birmingham** brings together a team of scientists, educators, social and economic researchers, extension specialists and outreach professionals to develop solutions to boost soybean yields. The team assesses the impact of environmental conditions on soybean yields from the cellular to the field level, as well as on associated microbial communities, utilizing advanced technologies and artificial intelligence. Moreover, the project employs a comprehensive, multipronged approach to develop a robust STEM workforce in Alabama. The program trains 40 K-12 teachers, 30 summer interns and 200 students and indirectly reaches over 6,000 K-12 students and thousands of family and community members annually. By integrating innovative research with education and community outreach, the team is building a bright future for agriculture in Alabama.

EXPANDING FRONTIERS | *Generating institutional capacity, new technologies and societal impact*

An NSF Accelerating Research Translation project at **The University of Alabama** is enhancing the university's role in a flourishing regional innovation ecosystem. The project fosters a campus culture of innovation and entrepreneurship supported by training and university-led private-public partnerships. Selected translation ventures that have established a high probability of commercialization potential based on market needs are supported to mature their technologies and develop proof-of-concept prototypes. The project team also develops evidence-based curricula to train postdoctoral researchers and graduate students to be experts in translational research activities, fostering the growth of a globally competitive research workforce. The activities of the project are increasing the number of inventions, patents, licenses, startups and other forms of technology commercialization, generating high-quality jobs and strengthening the U.S. economy.

EDUCATION AND WORKFORCE | *Supporting our STEM talent of today and tomorrow*

The successful NSF CyberCorps® Scholarship for Service project at **The University of Alabama in Huntsville (UAH), Calhoun Community College** and **Northeast Alabama Community College** continues to develop a superior cybersecurity workforce. Under the latest renewal, this project is supporting 32 students with two-year or three-year scholarships to study computer science, computer engineering, cybersecurity engineering, electrical engineering or information systems at the bachelor's, master's or doctoral level. Students also participate in the UAH Cyber Force Incubator program, where they work on research in partnership with federal partners at the U.S. Army, the FBI and the Missile Defense Agency. After graduation, all scholarship recipients will fill federal, local, state or tribal government jobs related to cybersecurity and serve in government for a period equal to the length of their scholarships.

COMPETITIVE RESEARCH

ALABAMA is one of 28 U.S. states or territories under the NSF Established Program to Stimulate Competitive Research (EPSCoR). For more information, visit [ALABAMA'S EPSCoR state web page](#).

NCSES

The [National Center for Science and Engineering Statistics \(NCSES\)](#) within the U.S. National Science Foundation is the nation's leading provider of statistical data on the U.S. science and engineering enterprise. As a principal federal statistical agency, NCSES conducts nationally representative surveys and publishes objective data and reports on topics related to research and development, the science and engineering workforce, and STEM education. For example, in FY 2024, **Alabama** invested **\$6,289,000,000** on research and development.

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

LEARN MORE

- **BROUGHT TO YOU BY NSF** – NSF has invested in discoveries, inventions, and innovations that have shaped the modern world, including the internet, 3D printing, American Sign Language, Magnetic Resonance Imaging (MRI), deep sea exploration, Doppler radar and more. For more information on NSF impacts, please visit: [nsf.gov/impacts](https://www.nsf.gov/impacts).
- **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](#).
- **FOSTERING INNOVATION** – Every year, NSF funds around 400 companies across nearly all technology areas to create prototypes and commercialize technologies. Learn more at [seedfund.nsf.gov](https://www.seedfund.nsf.gov).