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

FLORIDA

FAST FACTS

$262,706,000
Total NSF Awards to Florida

$213,221,000
Invested in Fundamental Research in Florida

$49,485,000
Invested in STEM Education in Florida

$26,050,000
Invested in Florida Businesses

TOP NSF-FUNDED ACADEMIC INSTITUTIONS

University of Florida	Florida State University	Florida International University
$60,748,000	**$56,773,000**	**$18,649,000**

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"

www.nsf.gov

INNOVATION

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

Florida Agricultural and Mechanical University (FAMU), a leading historically Black college and university, is using an NSF Expanding Capacity in Quantum Information Science and Engineering program award to move to the forefront of quantum information science and engineering (QISE). The project is structured around three strategic goals. Firstly, the project team collaborates with leading external experts to develop cutting-edge QISE research leveraging quantum fluids and solids, including advancing an emerging qubit platform, building optomechanical sensors, studying the evolution of electron superposition states in superfluid helium and developing rotation sensors utilizing superfluid helium's matter-wave nature. Secondly, it aims to create a comprehensive educational program at the **FAMU-Florida State University (FSU)** College of Engineering designed to address the national demand for engineers proficient in quantum concepts and techniques. Lastly, the project also focuses on ensuring the sustainability of QISE research and education through strategic infrastructure development and faculty recruitment at FAMU-FSU College of Engineering.

EXPANDING FRONTIERS

Generating institutional capacity, new technologies and societal impact

NSF Regional Innovation Engines (NSF Engines) represent one of the single largest broad investments in place-based research and development in the nation's history, uniquely placing science and technology leadership as the central driver for regional economic competitiveness. The NSF Florida Semiconductor Engine, led by the **International Consortium for Advanced Manufacturing Research**, aims to play a critical role in supporting the nation's capability for semiconductor advanced packaging design and manufacturing, rooting a vital industry on American shores and securing national defense. Advanced semiconductor packaging is increasingly an essential process to achieving the performance demands of many of the emerging applications that are now at the forefront of technological innovation — for example, fifth-generation wireless communication, autonomous vehicles, artificial intelligence and machine learning, advanced sensors and virtual/augmented reality. In addition to the significant national impacts, this NSF Engine has the potential to create thousands of good-paying jobs in a highly dynamic and innovative technology space.

EDUCATION AND WORKFORCE

Supporting our STEM talent of today and tomorrow

A partnership led by **Miami Dade College**, Houston Community College and the Maricopa County Community College District, in collaboration with a network of school districts and industry partners, is working to improve students' entry access to artificial intelligence degrees from community colleges by developing scalable strategies that support high school students and adult learners. The project, funded through the NSF Improving Undergraduate STEM Education: Computing in Undergraduate Education program, is establishing entry pathways into AI education and best practices on how to recruit, retain, complete and transition students in AI programs. One of the central activities of the project is the development of a high school AI framework to prepare students for two-year AI degree programs at community colleges. This framework is implemented in conjunction with an AI teacher academy to train high school teachers on effectively engaging students for educational pathways and careers in AI.

ON THE CUTTING EDGE

NSF is pushing the boundaries of what is possible in today's most important technology areas, including artificial intelligence, quantum information science, and biotechnology. The Foundation also maintains industry-leading, state-of-the-art facilities around the world.

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, **Florida** invested **$13,838,000,000** 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.
- **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.