



U.S. National
Science Foundation



FLORIDA

FY 2023 Fast Facts



\$273,420,000

Total NSF Awards to Florida



\$230,848,000

Invested in Fundamental Research in Florida



\$42,572,000

Invested in STEM Education in Florida



\$9,428,000

Invested in Florida Businesses

Top NSF-funded Academic Institutions for FY 2023

Florida State University
\$66,640,000

University of Florida
\$52,335,000

Florida International University
\$32,450,000

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

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Expanding the Frontiers of Science

The **University of Central Florida (UCF)** is part of a strong and supportive innovation ecosystem primed for research translation. UCF has partnerships and collaborations with the sectors of space, aerospace, health, defense (optics and lasers, artificial intelligence/machine learning/computer vision, digital twin, simulation and modeling), energy and many others. Since UCF already produces high levels of fundamental research, accelerating UCF research translation will create an enormous economic development opportunity. Therefore, through the NSF Accelerating Research Translation program, UCF is creating the infrastructure needed to connect fundamental research produced by UCF and to train diverse talent. The project will enhance the research translation capacity of UCF by leveraging and building upon existing infrastructure with Georgia Tech's institutional mentorship. Project thrusts include creating a Venture Lab to directly support translation, reorganizing entrepreneurial support organizations to follow Georgia Tech's advanced model and expanding the educational and training opportunities for students across campus.



STEM Education and Broadening Participation

The design of modern semiconductor devices involves a complex and widespread supply chain comprising multiple vendors, intellectual property providers, platform integrators, foundries, testing facilities and other entities. In this intricate process, there is a clear potential for a malicious actor to introduce security vulnerabilities that undermine the entire system's integrity. However, despite the critical need, there is a significant shortage of adequately trained hardware security specialists. Veterans possess unique qualities and skills, including hands-on experience, resilience, attention to detail and diverse backgrounds, making them an untapped resource for the advanced technology field, particularly in hardware security. Therefore, a project at the **University of Florida**, funded through the NSF Experiential Learning for Emerging and Novel Technologies program, is developing a sustainable and scalable experiential learning program for veterans to gain new skills and pathways into hardware security careers. Participants undergo an industry-driven course and then engage in a series of authentic learning activities facilitated by industry partners, such as on-site modeling, expert mentoring and internships.



Regional Innovation Engines

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 Engine: Central Florida Semiconductor Innovation 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. Additionally, an NSF Engines Development Award led by the **Applied Science & Technology Organization of America** coordinates support for small business suppliers adopting additive manufacturing. The project explores how best to expedite the qualification of suppliers for industrial production, pursuing breakthroughs in material formulations, integrated advanced robotics and composite manufacturing.

NCSES

According to the [NSF National Center for Science and Engineering Statistics \(NCSES\)](#), which is housed in NSF, Florida ranks 7th in the nation for science, engineering and health doctorate recipients. Visit Florida's science and engineering state profile to learn more!

- 32.07%** of Florida's [higher education degrees are concentrated in S&E fields.](#)
- 3.84%** of Florida's [workforce is employed in S&E occupations.](#)
- 4.20%** of Florida'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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