



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)

# DELAWARE

## ● FAST FACTS



**\$61,754,000**

Total NSF Awards  
to Delaware



**\$53,397,000**

Invested in Fundamental  
Research in Delaware



**\$8,358,000**

Invested in STEM  
Education in Delaware



**\$1,501,000**

Invested in Delaware  
Businesses

## ● TOP NSF-FUNDED ACADEMIC INSTITUTIONS

University of Delaware  
**\$55,939,000**

Delaware State University  
**\$4,004,000**

## ● 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](https://www.nsf.gov)



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

Biomanufacturing has the potential to improve food security, secure the domestic supply chain, promote rural economic development and grow the nation's economy. The process involves scientists and engineers designing and building biological systems to perform new tasks with high efficiency. There are, however, obstacles to realizing the potential of biomanufacturing. The way in which these biological systems are currently designed, built and tested suffers from long cycle times, limited scale, high cost and frequent unexpected behavior. To start to increase the scale at which biodesign, building and testing is done at a fraction of the cost, this project, funded through the NSF BioFoundries to Enable Access to Infrastructure and Resources for Advancing Modern Biology and Biotechnology program brings together a team at the **University of Delaware** to develop user-friendly technologies to make biofoundry operations faster and less resource-intensive. This work is empowering scientists and engineers to leverage scale to accelerate scientific discovery and achieve biomanufacturing advances.

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

With rapid advances in hardware architecture and software ecosystem, there is a crucial need to modernize applications and leverage the advancements in high-performance computing, artificial intelligence, machine learning and data science. These advancements can only be achieved by creating partnerships between domain scientists and computational experts. An NSF Strengthening the Cyberinfrastructure Professionals Ecosystem project at the **University of Delaware** is addressing this need by assembling a team of cyberinfrastructure professionals (also called research software engineers (RSEs)) to support computational and data-intensive research in the mid-Atlantic region. This team focuses on improving RSE skills and support to advance both social, behavioral and economic sciences and coastal sciences and infrastructure, two domain areas traditionally underserved by RSEs. The university works in close collaboration with Howard University, Delaware State University and Lincoln University. The project addresses the challenge of building and sustaining RSE teams by offering training, education and certification, as well as career development programs.

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

The NSF UDare CyberCorps® Scholarship for Service (SFS) program at the **University of Delaware (UD)** prepares highly qualified cybersecurity professionals for service in crucial roles across federal, state, local and tribal security sectors. Designed to advance both the theoretical and practical aspects of cybersecurity, this SFS project will prepare twenty undergraduate and Master's students from UD's broad cybersecurity degree programs, employing a multifaceted approach to professional development. SFS scholars are immersed in rigorous academic training and practical, hands-on experiences through research, enrichment activities and internships. This comprehensive training model addresses a critical national need for skilled cybersecurity professionals, contributing to safeguarding U.S. cyberspace against various threats. In addition, the project enhances public cybersecurity literacy, contributing significantly to societal well-being and national security.

## COMPETITIVE RESEARCH

DELAWARE is one of 28 U.S. states or territories under the NSF Established Program to Stimulate Competitive Research (EPSCoR) and recently received an award through NSF's new E-CORE program. For more information, visit [DELAWARE'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, **Delaware** invested **\$3,852,000,000** 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](mailto: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://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://seedfund.nsf.gov).