National Science Foundation

NEW YORK

FY 2022 Fast Facts

$571,976,000
Total NSF Awards to New York

$462,078,000
Invested in Fundamental Research in New York

$91,281,000
Invested in STEM Education in New York

$18,922,000
Invested in New York Businesses

Top NSF-funded Academic Institutions for FY 2022

Cornell University	Columbia University	State University of New York at Buffalo
$130,578,383	$102,233,605	$45,361,825

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

Led by The City **University of New York**, **Columbia University** and **New York University**, along with six other affiliated schools, the New York Region Innovation Corps hub creates and maintains a culture of innovation dedicated to entrepreneurial training and education programs focused on deep technology. New York's vibrant entrepreneurial ecosystem evolved from strategic investments in innovation and entrepreneurship by academic, governmental and private entities in the region. This technological advancement has been, and continues to be, the basis for long-term sustainable economic growth. This hub will leverage its strong, effective network infrastructure to nurture and produce opportunities for innovation and entrepreneurship across the region. The hub also aims to maintain and build upon its leadership and accomplishments to continue to strengthen the I-Corps National Innovation Network, especially with virtual programming and training. It will enhance national innovation capacity by extending the reach and benefits of the NSF I-Corps program to diverse communities of innovators in fundamental science and engineering. In addition, the hub has one of the most diverse and experienced teaching teams within the National Innovation Network, comprising entrepreneurial innovators from startups, network schools, business development units and New York City's investment community.

STEM Education and Broadening Participation

Funded by NSF's Scholarships in Science, Technology, Engineering, and Mathematics program, this 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 **Queens College**, **City University of New York**, a Hispanic serving institution and an Asian American and Native American Pacific Islander serving institution. The project aims to develop a diverse and globally competitive STEM workforce by providing career placement services to scholars, empowering them to land jobs and improving the quality of life for their families and communities. The project will also build partnerships between academia and industry in the region.

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.

Infrastructure

The **State University of New York at Stony Brook** received an NSF Major Research Instrumentation award to support the development of an electrospray tandem mass spectrometer. The instrument will facilitate research in the areas of biochemistry and medicinal chemistry and will enhance the educational and research efforts of students of all levels at Stony Brook and nearby institutions.

NCSES

According to the National Center for Science and Engineering Statistics (NCSES), which is housed in NSF, New York ranks 2nd in the nation for higher education R&D performance. Visit New York's science and engineering state profile to learn more!

35.89%	of **New York's** higher education degrees are concentrated in S&E fields.
4.55%	of **New York's** workforce are employed in S&E occupations.
5.41%	of **New York'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.