



FY2022 Budget Request to Congress

Who we are

The **National Science Foundation (NSF)** is an **\$8.5 billion** independent federal agency created by Congress in 1950. NSF's vital role is to support basic research and researchers who create knowledge that transforms the future. Today, as the only federal agency that supports research across all fields of S&E and education at all levels, NSF drives American prosperity, innovation, and cultivates the diverse STEM workforce of tomorrow.

Mission: To promote the progress of science; to advance the national health, prosperity, and welfare; secure the national defense; and for other purposes.*

Vision: Advancing the frontiers of research into the future; ensuring accessibility and inclusivity; and securing global leadership.

What we do

We are safer in our cars, on planes, in the cyberworld and everywhere we go because of NSF-funded research that has led to improved child safety seats, plane deicing, cyber security, weather radar and storm-resistant structures, to name a few. NSF keeps America on the leading edge of science and engineering by:

- Seeking high-risk, potentially transformative research projects that will generate path-breaking discoveries and new technologies.
- Building a diverse and inclusive STEM workforce capable of addressing society's most pressing challenges. Each year, NSF investments touch approximately 300,000 people from roughly 2,000 institutions in every state and territory.
- Funding advanced instrumentation and facilities.
- Supporting Arctic and Antarctic research and science operations.
- Increasing innovation at speed and scale through partnerships and building even stronger bridges between discovery, innovation, and commercialization.

FY 2022 Budget Highlights

- NSF's \$1017 billion in funding in FY 2022 will support approximately 13,800 competitive awards.
- Makes crucial investments in the Administration's priorities of enhancing fundamental research and development; strengthening U.S. leadership in emerging technologies; investing in broadening participation in science and engineering; advancing climate science and sustainability research; and continuing support for NSF's major research facilities.
- FY 2022 Request prioritizes advancing the frontiers of research into the future by making critical investments in new industries and integrating research and education in key technologies.
 - Advanced Manufacturing (\$418 million)
 - Advanced Wireless (\$167 million)
 - Artificial Intelligence (\$734 million)
 - Biotechnology (\$382 million)
 - US Global Change Research and Development (\$762 million)
 - Clean Energy Technology (\$440 million)
 - Quantum Information Science (QIS) (\$260 million)
 - NSF Innovation Corps (I-Corps™) (\$40 million)
 - Secure and Trustworthy Cyberspace (SaTC) (\$153 million)
- Builds and leverages a diverse and inclusive, highly skilled American workforce for the 21st century, providing enhanced opportunities that build on strong STEM pathways for under-represented groups (+\$100 million).
- Invests in a new directorate that will build collaborations across all of NSF and that will leverage partnerships with other stakeholders, both private and public, in the Nation's research, innovation, and education enterprise.
- Funds strategic research, infrastructure, and instrumentation investments.
- Bolsters the Nation's global leadership in science and technology by building on efforts to develop a robust research security program.

FY 2022 Budget Request NSF Budget by Appropriation (Dollars in Millions)						
Account	FY 2020 Actual	FY 2020 CARES Act Actual	FY 2021 Enacted	FY 2022 Request	Change over FY 2021 Enacted	
					Amount	Percent
Research and Related Activities	\$6,603	\$70	\$6,910	\$8,140	\$1,230	18%
Education and Human Resources	\$1,084	\$5	\$968	\$1,287	\$319	33%
Major Research Equipment and Facilities Construction	\$155	-	\$241	\$249	\$8	3%
Agency Operations and Award Management	\$348	\$1	\$346	\$468	\$123	35%
Office of Inspector General	\$16	-	\$18	\$20	\$3	14%
Office of the National Science Board	\$4	-	\$5	\$5	*	2%
Total, NSF	\$8,210	\$76	\$8,487	\$10,169	\$1,683	20%

For more information:

[NSF FY 2022 Budget Request to Congress](#)

[12 irreplaceable innovations made possible by NSF](#)

[Building the Future: Investing in Discovery and Innovation NSF Strategic Plan for 2018-2022](#)

[Research and Education Results Supported by NSF](#)

[NSF Budget and Performance](#)

[Driving Federal Performance](#)

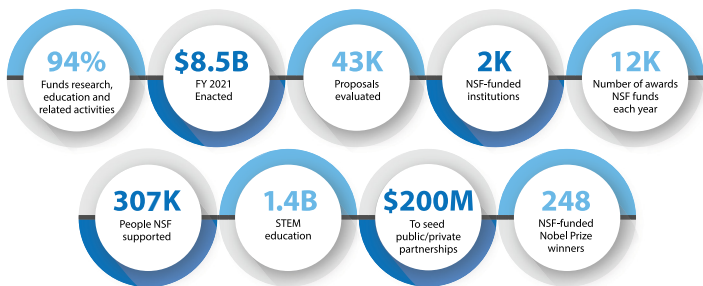
* From the National Science Foundation (NSF) Act of 1950 (P.L. 81-507)

Driving Results and Innovation, Benefiting Society

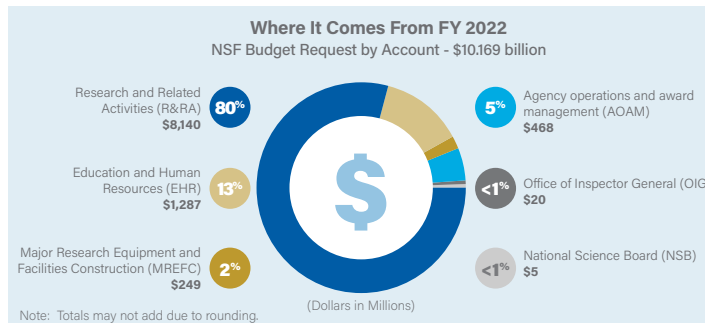
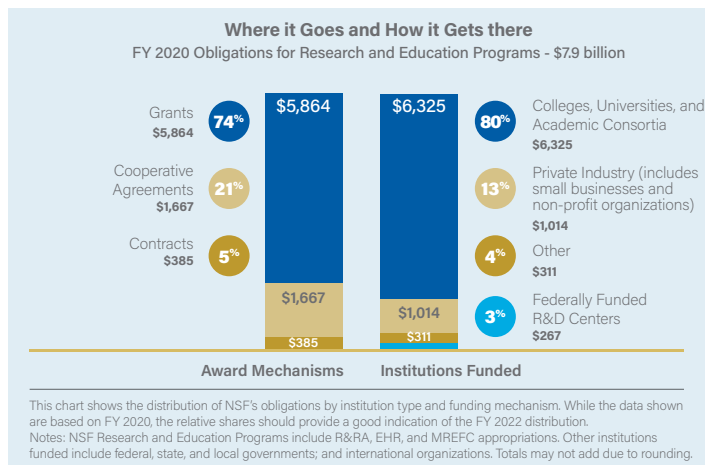
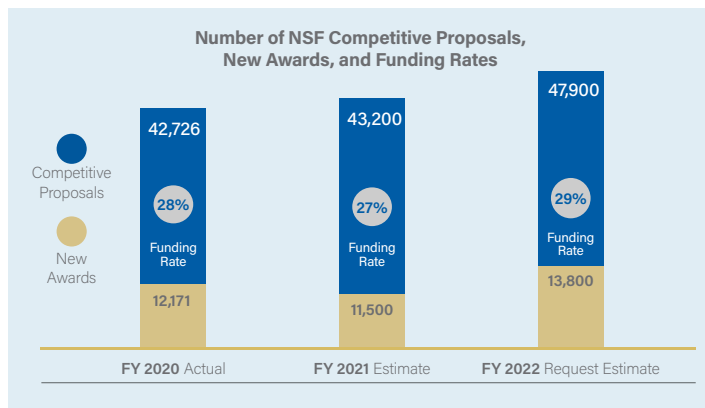
Over the past 71 years, NSF has allowed the Nation to harness ingenuity, foster innovation, and reap the benefits of the economic growth and progress that come with doing so. NSF investments in science and technology create high-tech, high-wage jobs that allow American workers to lead the global economy; improve the quality of life for all Americans; and strengthen our national security. NSF investments:

- Spur innovation and robust job creation.
- Support students and a future-focused workforce through programs like CyberCorps: Scholarship for Service and Advanced Technological Education.
- Lead to innovations that add billions of dollars to the U.S. economy through businesses and technologies.
- Provide understanding of all aspects of natural disasters including improving severe weather prediction; increasing resilience in housing and infrastructure; and responding to disasters.
- Enhance our understanding of the biological, behavioral, social, and environmental risks and implications of infectious disease.

NSF By The Numbers



(numbers represent FY 2020 Actual data except where indicated).



RESEARCH AND EDUCATION HIGHLIGHTS

Hover over an image for more highlights.