FY 2022 Fast Facts

- **$20,483,000**
  - Total NSF Awards to North Dakota

- **$10,308,000**
  - Invested in Fundamental Research in North Dakota

- **$10,175,000**
  - Invested in STEM Education in North Dakota

Top NSF-funded Academic Institutions for FY 2022

- **North Dakota State University in Fargo**
  - $10,992,427

- **University of North Dakota**
  - $3,701,845

- **North Dakota State College of Science**
  - $1,447,429

NSF By The Numbers

The 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; 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
A sustainable energy supply is a critical driver for the nation’s continued industrial and economic growth and requires that we ensure our current and future energy infrastructure be more responsive and resilient. Support from the NSF Research Infrastructure Improvement Track-2 Focused EPSCoR collaboration award, led by North Dakota State University, in collaboration with the University of Arkansas - Fayetteville, University of Nevada - Las Vegas and Nueta Hidatsa Sahnish College, aims to enhance technological progress and economic growth in EPSCoR states and the nation, while prepping a new generation for the workforce in an era of artificial intelligence. The award creates the Artificial Intelligence on Sustainable Energy Infrastructure Network which will establish a collaborative research program to investigate the potential of AI as a driving force for bringing about radical changes to critical infrastructures and industries. The collaborative effort will promote AI as an industry of the future and generate immediate tangible impacts on industries in desperate need of an AI-proficient workforce by offering an AI-related associate degree and minor programs. The team will also support early career faculty, postdocs and graduate and undergraduate students, especially Native American and Hispanic participants from tribal and minority-serving institutions.

STEM Education and Broadening Participation
Keeping computers and information systems secure is a major challenge and requires well-prepared technicians who can prevent, detect and investigate cybersecurity breaches. To address this nationwide challenge, the Turtle Mountain Community College, with support from NSF’s Advanced Technological Education Program, will build on the college’s Computer Support Specialist Program, which provides two years of technical computer education leading to an Associate of Applied Science degree. Students in the new cybersecurity program will learn skills in computer science and cybersecurity. Local employers have committed to provide on-the-job training and positions for students. Minot State University’s Business Information Technology Department will provide professional development for Turtle Mountain Community College faculty and will support a pathway for students who wish to transfer to the university after completing the two-year degree. The project will develop a new Associate of Applied Science degree in cybersecurity/information assurance that is aligned with the needs of local business and industry; recruit high school students on or near the Turtle Mountain Indian Reservation into the program through summer camps and other outreach; and encourage students to obtain industry-recognized certifications to validate the skills they learn. This project will contribute to national priorities by strengthening cybersecurity education and increasing the diversity of the cybersecurity technical workforce.

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.

EPSCoR
COMPETITIVE RESEARCH | North Dakota is one of 28 U.S. states or territories under NSF's Established Program to Stimulate Competitive Research (EPSCoR). Over $1,720,000 in awards have been made to North Dakota academic institutions through EPSCoR in FY 2022. For more information, visit North Dakota’s EPSCoR state web page.

NCSES
According to the National Center for Science and Engineering Statistics (NCSES), which is housed in NSF, 38% of science, engineering and health doctorates conferred in North Dakota are made in life sciences. Visit North Dakota’s science and engineering state profile to learn more!

27.47% of North Dakota’s higher education degrees are concentrated in S&E fields.

3.17% of North Dakota’s workforce are employed in S&E occupations.

3.85% of North Dakota’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.