



U.S. National Science Foundation



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)

NORTH DAKOTA

● FAST FACTS



\$36,626,000

Total NSF Awards to North Dakota



\$27,974,000

Invested in Fundamental Research in North Dakota



\$8,652,000

Invested in STEM Education in North Dakota

● TOP NSF-FUNDED ACADEMIC INSTITUTIONS

North Dakota State University

\$27,047,000

University of North Dakota

\$4,092,000

United Tribes Technical College

\$3,128,000

● 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



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

The NSF Regional Innovation Engines (NSF Engines) program creates regional-scale, technology-driven, broad-based innovation ecosystems throughout the United States. One of the inaugural NSF Engines awards was to **North Dakota State University** to establish the NSF Engine: North Dakota Advanced Agriculture Technology Engine, which is creating resilient and secure food systems in North Dakota by combining advanced genomics, climate modeling, nanoscale sensors and computer networks to monitor and improve the growth of crops. The NSF Engine serves as the foundation for an innovation corridor that is growing and developing early-stage technology projects and generating substantial investments, technology development, intellectual property activity, startups and commercial activities to translate advances in agricultural technology into practice. This is positioning North Dakota as a global leader in advanced agricultural technology, increasing regional economic prosperity and laying the groundwork to retain North Dakota's next generation of farmers and technologists, as well as attracting talent regionally and nationally.



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

In partnership with eight other universities across the Great Plains region, **North Dakota State University** is using funding from the NSF Innovation Corps (NSF I-Corps™) program to establish a Great Plains I-Corps Hub. This Hub is developing a regional network of university-based inventors and entrepreneurs across rural America to accelerate the translation of federally funded research into technology solutions that benefit society, enhance commercialization and create economic growth. Technology researchers from Hub member institutions are being recruited to explore commercial opportunities based on their scientific discoveries and identify potential pathways to market. They are then connected to the people, organizations and resources needed to complete the development and scale the impact of the discoveries. By leveraging local research and industry expertise, the Great Plains I-Corps Hub is bolstering the entrepreneurial mindset of scientists and engineers, producing more research that aligns with economic drivers, particularly in agriculture.



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

By leveraging an investment through the NSF Tribal Colleges and Universities Program (NSF TCUP), **Turtle Mountain Community College (TMCC)** is working to provide robust Computer Science educational opportunities to tribal colleges and universities across North Dakota. NSF TCUP Cyber Consortium Advancing Computer Science Education is improving computer science and cybersecurity training to the regional workforces served by TMCC, **United Tribes Technical College, Sitting Bull College, Windward Community College** and **Little Priest Tribal College**. The project is building and enhancing computer science curricula that improve the critical thinking, problem-solving, coding and collaboration skills used in academic or research activities. It is also building education and research capacity in computing fields of national interest, such as cybersecurity, artificial intelligence, data science and computer science education. This model bridges the gap between tribal education, workforce and national cybersecurity needs.

COMPETITIVE RESEARCH

NORTH DAKOTA is one of 28 U.S. states or territories under the NSF Established Program to Stimulate Competitive Research (EPSCoR). For more information, visit [NORTH DAKOTA'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, **North Dakota** invested **\$693,000,000** 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.

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.
- **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.