



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)

WISCONSIN

● FAST FACTS



\$115,405,000

Total NSF Awards to Wisconsin



\$91,863,000

Invested in Fundamental Research in Wisconsin



\$23,542,000

Invested in STEM Education in Wisconsin



\$1,496,000

Invested in Wisconsin Businesses

● TOP NSF-FUNDED ACADEMIC INSTITUTIONS

University of Wisconsin-Madison

\$92,767,000

University of Wisconsin-Milwaukee

\$5,103,000

Marquette University

\$3,048,000

● 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"



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

The chemical manufacturing sector and the power grid are becoming increasingly coupled, driven by their shared interest in decarbonizing operations. As both sectors rely more and more on renewable power sources, mitigating the inherent intermittency of these sources is crucial. This requires the design of new and flexible technologies that can shift power demands on various timescales and from the local to national level. An NSF Future Manufacturing award to the **University of Wisconsin-Madison** is supporting efforts to conduct fundamental computational and experimental research to design new and flexible electrochemical technologies that best integrate with the power grid and chemical supply chains. Such technologies can use highly intermittent power to produce energy carriers that can be used to store, transport and regenerate power. The project also develops new design principles, simulation models, data and technologies that enhance training of the next-generation workforce of chemical engineers, electrical engineers and chemists, thereby leveraging multiscale thinking to develop technologies and solutions.

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

Common bread wheat (*Triticum aestivum* L.) is a major food security crop, providing roughly 20% of human dietary calories and proteins worldwide. However, while genetic diversity underlies the productivity and adaptive capacity of agriculture, today's high-yielding wheat varieties contain only a small fraction of the available gene pool, raising concerns that overreliance on existing breeding stocks could limit future gains in wheat production. Addressing a critical need to preserve, discover and mobilize these genetic resources, an NSF Plant Genome Research Resource project, led by the **International Wheat Genome Sequencing Consortium**, is working to generate genome sequences of eight landraces – domesticated plant varieties – that are foundational to early regional growing centers and encompass the worldwide diversity of bread wheat. The generation of these genome sequences will provide a crucial step forward in world-wide efforts to improve wheat by identifying the extent of genomic diversity that underlies adaptive traits. This project also continues established education, outreach and training activities, including summer undergraduate research internships, annual international workshops, early-career speaker awards and monthly webinar series.

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

Manufacturing is pivotal to Wisconsin's economy, exporting \$23.3 billion in products and engaging over 15% of the state's workforce in 2022. An NSF Experiential Learning for Emerging and Novel Technologies award to **Chippewa Valley Technical College (CVTC)** in Eau Claire aims to meet this growing demand by collaborating with partners to offer comprehensive experiential learning opportunities, facilitating internships, mentorships and pathways to students. Through curriculum updates, cutting-edge laboratories, software and summer camps, CVTC, along with **Northcentral Technical College**, the **University of Wisconsin-Stout** and industry partners, will ensure students are equipped with practical skills for their future careers and advance the emerging technology fields of supply chain management, electromechanical technology and mechatronics.

ON THE CUTTING EDGE

NSF is pushing the boundaries of what is possible in today's most important technology areas, including [artificial intelligence](#), [quantum information science](#), and [biotechnology](#). The Foundation also maintains industry-leading, [state-of-the-art facilities](#) around the world.

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, **Wisconsin** invested **\$9,011,000,000** 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.