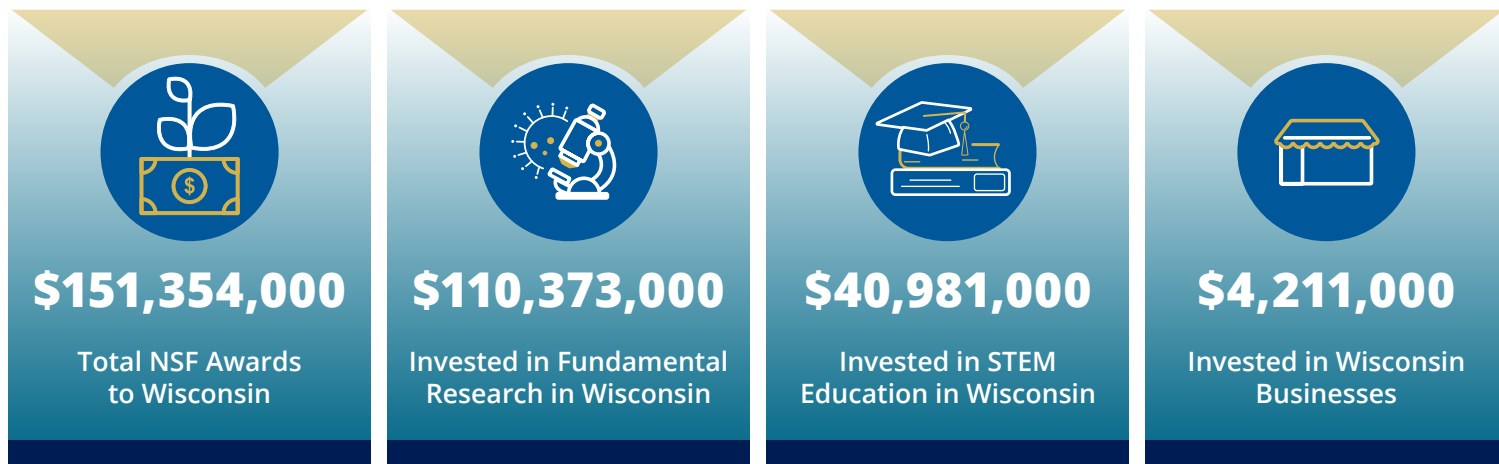




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FY 2022 Fast Facts

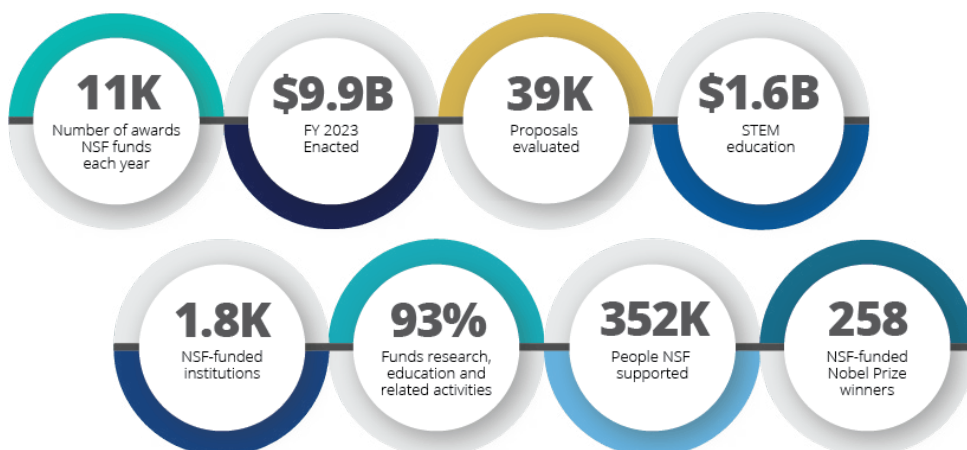


Top NSF-funded Academic Institutions for FY 2022



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.



Data represents FY 2022 Actuals unless otherwise indicated.



Expanding the Frontiers of Science

NSF-funded researchers at the **University of Wisconsin Oshkosh** are studying the social and environmental conditions that contribute to toxic algal blooms in freshwater systems. Harmful algal blooms affect freshwater systems worldwide and result in billions of dollars in economic losses to industry, recreation and public health. Researchers and community organizations are co-developing social and environmental practices by applying a theoretical approach grounded in place-based research methods. This project provides high-impact research experiences for over 45 undergraduate students.



STEM Education and Broadening Participation

The CREATE National Energy Center at **Madison Area Technical College** will be the preeminent source of faculty professional development and instructional materials for energy educators, increase the visibility of energy careers, broaden participation of groups historically underrepresented in these careers, and build academic, industry and international partnerships to advance energy technician education. This project addresses the rapidly changing energy landscape to develop and promote exemplary programs in support of educating skilled technical workforce for the American energy sector. The CREATE Energy Center will empower two-year college faculty and academic programs to champion new energy technologies to ensure American competitiveness.



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 **University of Wisconsin-Madison** continues to manage and operate the IceCube Neutrino Observatory located at the South Pole Station in the deep ice. The discovery of high-energy cosmic neutrinos by IceCube has established neutrino astrophysics as a window into the extreme universe.

NCSES

According to the [National Center for Science and Engineering Statistics \(NCSES\)](#), which is housed in NSF, Wisconsin ranks 15th in the nation for higher education R&D performance. Visit Wisconsin's science and engineering state profile to learn more!

35.78% of Wisconsin's [higher education degrees are concentrated in S&E fields.](#)

5.01% of Wisconsin's [workforce are employed in S&E occupations.](#)

8.75% of Wisconsin'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.](#)

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