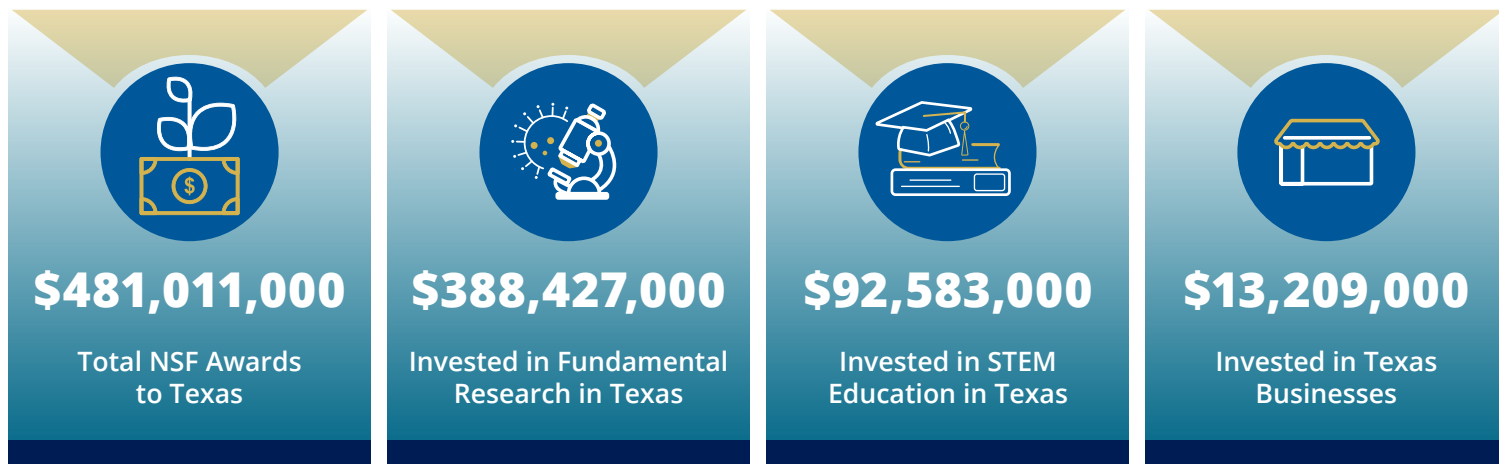




TEXAS

FY 2022 Fast Facts

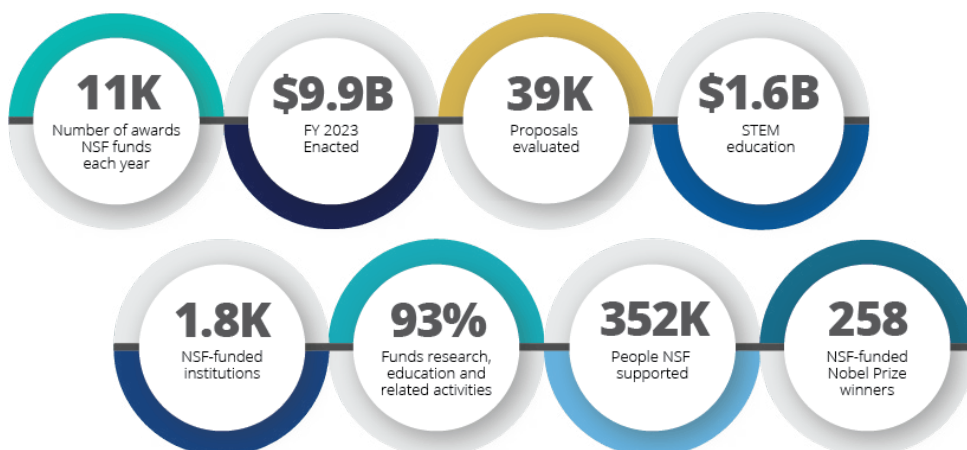


Top NSF-funded Academic Institutions for FY 2022



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

Access to safe drinking water is a basic need for all life on the planet. Over 40 million Americans are not connected to a municipal water system and rely on the quality of the water available from wells. It is a grand challenge linked to public health, energy production and sustainable development. NSF's Nanosystems Engineering Research Center for Nanotechnology-Enabled Water Treatment, or NEWT, led by **Rice University**, with partners at Arizona State University, the University of Texas at El Paso and Yale University, uses nanotechnology to design and manufacture multifunctional nanomaterials that adsorb a wide variety of pollutants, including oxo-anions, total dissolved solids, nitrates, salts, organics, foulants, scalants, viruses and microbes. The technologies that result from the research of this center will broaden access to clean drinking water from a variety of potential sources, e.g., groundwater from wells, salt water, brackish water or recycled industrial water.



STEM Education and Broadening Participation

Texas Southern University, a historically Black college or university, along with Texas State University, the University of Houston, the University of Houston-Downtown, and the University of Houston-Clear Lake, — all Hispanic-serving institutions — will form the Houston Louis Stokes Alliance for Minority Protection, or H-LSAMP. The H-LSAMP program aims to significantly increase the number of underrepresented minority students who earn a baccalaureate degree in science, technology, engineering and mathematics, or STEM, bringing graduation numbers in line with the population served. The alliance funds new efforts in individual student retention and progression to a bachelor's degree, transfer programs from community colleges, high-quality undergraduate research experiences and seamless transitions into STEM graduate programs. The program aims to increase the number, quality and diversity of undergraduates entering and completing graduate school as well as selecting careers in important research areas across the STEM disciplines.



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

NSF's leadership-class computing facility, Frontera, is located at the Texas Advanced Computing Center at the **University of Texas at Austin**. Frontera is the fastest supercomputer at any university and the fifth most powerful system in the world.

NCSES

According to the [National Center for Science and Engineering Statistics \(NCSES\)](#), which is housed in NSF, Texas ranks 2nd in the nation for academic research space. Visit Texas's science and engineering state profile to learn more!

31.76% of Texas's [higher education degrees are concentrated in S&E fields.](#)

5.12% of Texas's [workforce are employed in S&E occupations.](#)

6.26% of Texas'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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