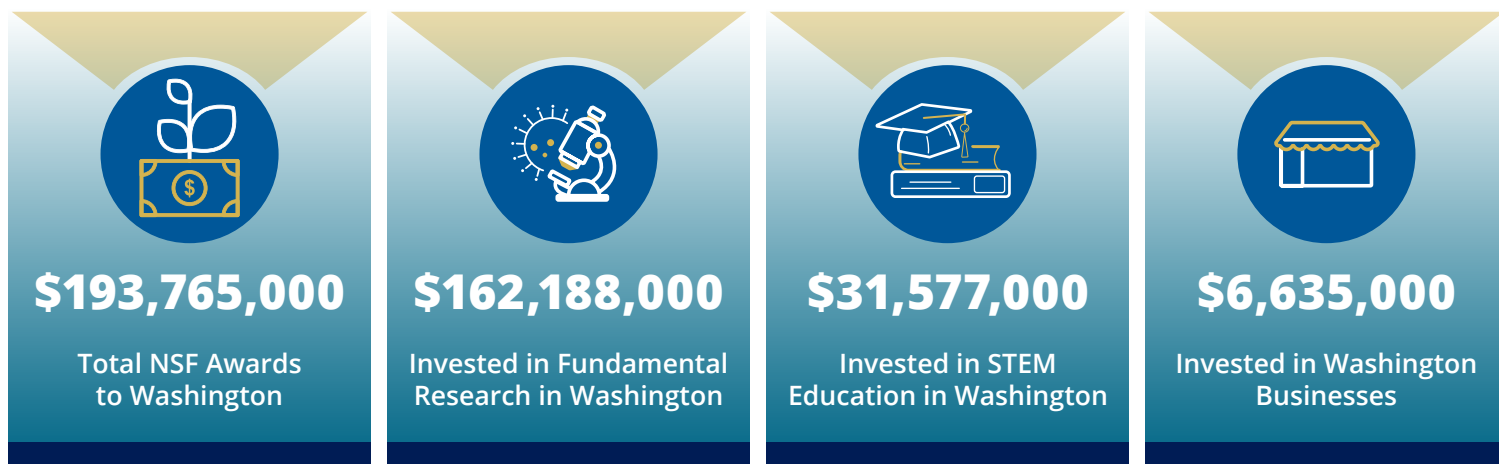




WASHINGTON

FY 2022 Fast Facts

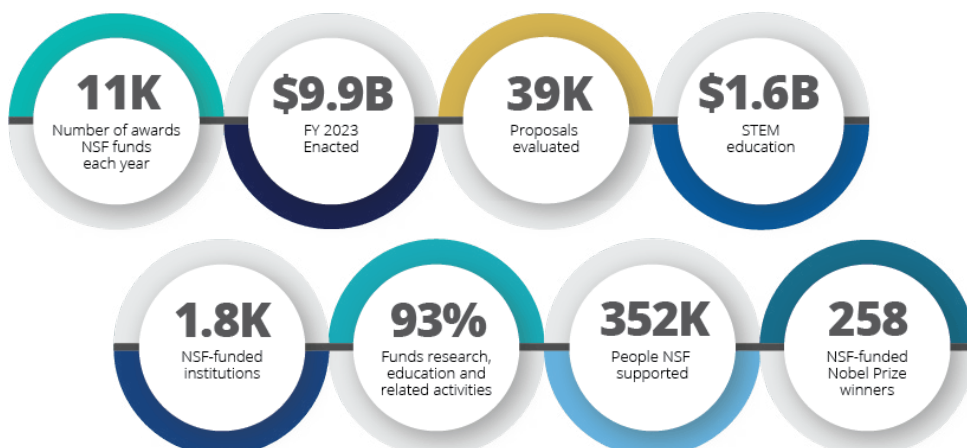


Top NSF-funded Academic Institutions for FY 2022



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

The **University of Washington** holds a cooperative agreement for ship operations for the research vessel Thomas G. Thompson to conduct oceanographic research missions for NSF-funded investigators. This vessel is part of the Academic Research Fleet, operated by the University-National Oceanographic Laboratory System academic institutions and funded by NSF and other agencies. Provision of these sea-going research and educational facilities enables marine scientists and students from the University of Washington and other institutions nationwide to study natural phenomena — and to instruct the future scientists and stewards of our marine ecosystems — on board state-of-the-art oceanographic research vessels complete with laboratories, sensors, analytical equipment, communications to shore-side investigators and educators, and full life-support for extended missions. Essential to this mission is the provision of educational opportunities to marine science students, and, through educational outreach programs, such as REVEL and Teacher at Sea, to K-12 students, nationwide.



STEM Education and Broadening Participation

Northwest Indian College's Transforming STEM Education and Supporting Indigenous Scientists project is funded by NSF's Scholarships in Science, Technology, Engineering, and Mathematics program and is contributing to the national need for well-educated scientists, mathematicians, engineers and technicians by supporting the retention and graduation of high-achieving, low-income students with demonstrated financial need. Northwest Indian College is a Tribal college located on Lummi Nation north of Seattle, Washington, with six extended campuses — Swinomish, Tulalip, Port Gamble, Muckleshoot, Nisqually — throughout Washington State and one campus, Nez Perce, in Idaho. Over its five-year duration, this project will fund scholarships to 43 unique full-time students who are pursuing a bachelor's degree in Native environmental science. The Native Environmental Science program provides a place-based, experiential and culturally grounded curriculum and provides training in a diverse range of STEM careers. It also aims to improve the education of future STEM workers and to generate knowledge about academic success, retention, transfer, graduation, and academic and career pathways of low-income students.



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 **Laser Interferometer Gravitational Wave Observatory**, or LIGO, seeks to observe and understand gravitational waves, or GWs, that carry information about collisions of black holes and neutron stars. Since 2015, LIGO, including the Hanford, Washington site, has observed six GW events — located millions of light-years away.



NCSES

According to the [National Center for Science and Engineering Statistics \(NCSES\)](#), which is housed in NSF, Washington ranks 2nd in the nation for total R&D performance. Visit Washington's science and engineering state profile to learn more!

42.93% of Washington's [higher education degrees are concentrated in S&E fields.](#)

8.87% of Washington's [workforce are employed in S&E occupations.](#)

10.63% of Washington'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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