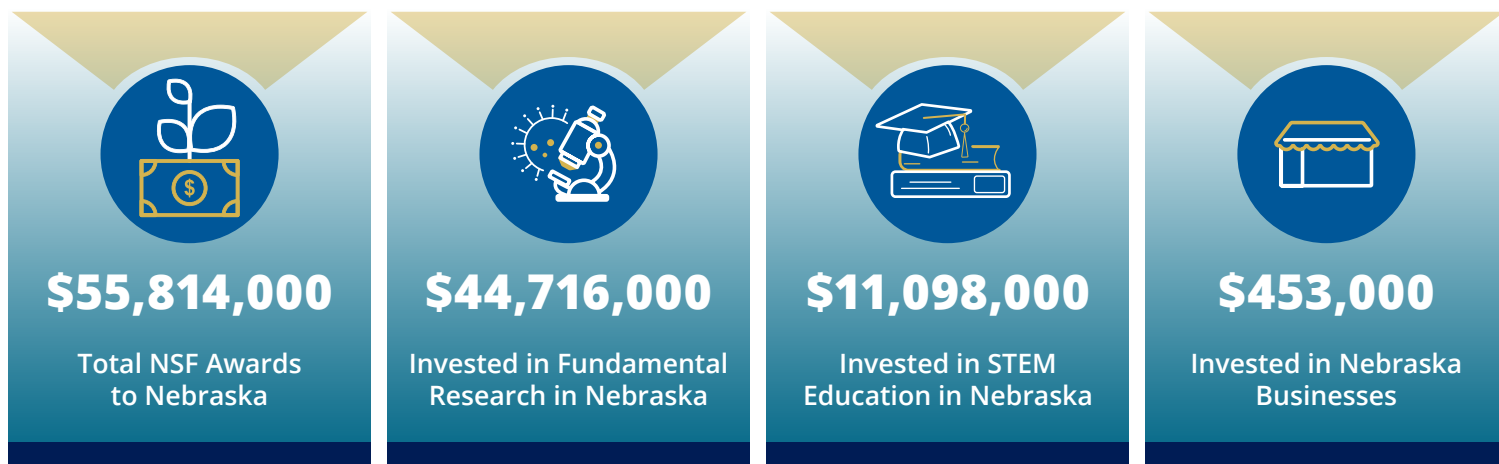




NEBRASKA

FY 2022 Fast Facts

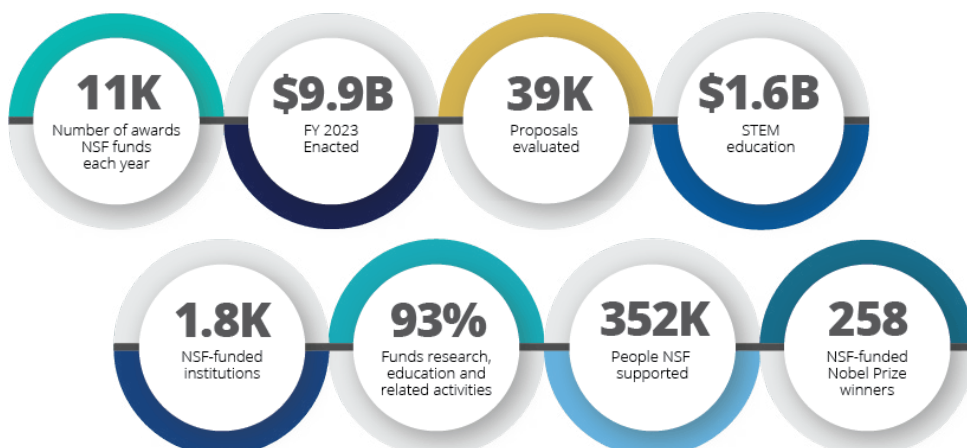


Top NSF-funded Academic Institutions for FY 2022



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

In the "second quantum revolution," quantum mechanics is applied to information theory and information technology. The state of Nebraska is participating in the second quantum revolution by launching an interdisciplinary, interdepartmental and multi-campus research and education cluster on Emergent Quantum Materials and Technologies, or EQUATE, to increase jurisdictional competitiveness in quantum science and technologies. The NSF-supported project, led by the **University of Nebraska-Lincoln**, focuses on research and workforce development to advance knowledge on topics related to quantum materials, technologies and computation. EQUATE converges for the first-time the quantum science and technology expertise of faculty researchers across the four Nebraska research institutions, the University of Nebraska-Lincoln, University of Nebraska-Omaha, University of Nebraska-Kearney and Creighton University, establishing collaboration and feedback between theory and experiment to guide discoveries and expedite the findings of new emergent quantum materials and phenomena. The project also introduces quantum science topics and concepts to various levels of participants -- from K-12 students and their teachers to university faculty -- to train the next generation of quantum scientists and engineers across participating institutions and throughout Nebraska.



STEM Education and Broadening Participation

A six-year project at **Doane University**, supported by NSF's Scholarships in Science, Technology, Engineering, and Mathematics, or S-STEM, program, will fund scholarships for 30 unique full-time students who are pursuing bachelor's degrees in biology, biochemistry, chemistry, engineering or environmental and Earth sciences. Doane's recruitment efforts will involve partnering with regional high schools with diverse populations and high numbers of students from low-income families. A range of educational and personal support will be leveraged and designed to enhance students' academic success, development of STEM identity, and persistence in the program to graduation. This project will continue, enhance and expand coursework that strengthens partnerships and interdisciplinary connections between Doane STEM programs; provide a living, learning community for students; connect students to STEM professionals through co-curricular activities; provide formal and informal mentoring; and provide opportunities for faculty-mentored undergraduate research and externally-funded STEM research.



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.](#)



EPSCoR

COMPETITIVE RESEARCH | Nebraska is one of 28 U.S. states or territories under [NSF's Established Program to Stimulate Competitive Research \(EPSCoR\)](#). Over **\$13,660,000** in awards have been made to Nebraska academic institutions through EPSCoR in FY 2022. For more information, [visit Nebraska's EPSCoR state web page.](#)



NCSES

According to the [National Center for Science and Engineering Statistics \(NCSES\)](#), which is housed in NSF, 42% of science, engineering and health doctorates conferred in Nebraska are made in life sciences. Visit Nebraska's science and engineering state profile to learn more!

27.21% of Nebraska's [higher education degrees are concentrated in S&E fields.](#)

4.59% of Nebraska's [workforce are employed in S&E occupations.](#)

5.33% of Nebraska'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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