KANSAS

**FY 2022 Fast Facts**

- **$47,931,000**
  Total NSF Awards to Kansas
- **$40,291,000**
  Invested in Fundamental Research in Kansas
- **$7,640,000**
  Invested in STEM Education in Kansas
- **$532,000**
  Invested in Kansas Businesses

**Top NSF-funded Academic Institutions for FY 2022**

- **University of Kansas**
  $25,265,741
- **Kansas State University**
  $8,592,854
- **Wichita State University**
  $3,643,082

**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.

- **11K**
  Number of awards NSF funds each year
- **$9.9B**
  FY 2023 Enacted
- **39K**
  Proposals evaluated
- **$1.6B**
  STEM education
- **1.8K**
  NSF-funded institutions
- **93%**
  Funds research, education, and related activities
- **352K**
  People NSF supported
- **258**
  NSF-funded Nobel Prize winners

Data represents FY 2022 Actuals unless otherwise indicated.
Expanding the Frontiers of Science
Led by the University of Kansas, in collaboration with Kansas State University, Wichita State University, Baker University, Donnelly College and seven Kansas community colleges, the Adaptive and Resilient Infrastructures driven by Social Equity, or ARISE, project develops a social-equity driven paradigm for resilience analysis and enables decision makers and community leaders to transform how communities invest in and manage physical and human infrastructure. Framed around four themes, ARISE research aims to advance the resilience of infrastructure in the face of hazards and disasters and enables researchers and educators to be at the forefront of resilience science and engineering. The themes are supported by extensive community engagement, including research, education and outreach components. The project will increase research, education and training capacity in data science, machine learning, complex network modeling, decision and risk management science, and social equity. This project is also developing the foundation for “smart” communities and cities while creating new industries that retain highly qualified Kansas professionals.

STEM Education and Broadening Participation
Led by the University of St. Mary, and in partnership with Donnelly College — a two-year Hispanic-serving institution — and the local education agencies of Leavenworth, Lansing and Tonganoxie, this project aims to serve the national need of preparing high-quality mathematics, chemistry and biology teachers to teach in predominantly rural high-need school districts. Nationally, STEM teaching positions are often hard to staff and retain, particularly in high-need, rural schools. This project is addressing this need by awarding scholarships to STEM students who will earn a bachelor’s degree in mathematics, chemistry or biology while completing a secondary education minor and teacher licensure program. These STEM students will also complete their student teaching practicums in high-need schools and teach in high-need school districts for a minimum of four years after graduation. The project is providing a unique blend of short- and long-term field experiences, one-on-one and group mentoring and tutoring, and innovative new-teacher support. The project has potential to contribute to knowledge on how to prepare and support teachers in predominantly rural high-need school districts. In turn, the project aims to increase the number of STEM graduates prepared to teach in high-need schools and address the STEM teacher shortage in Kansas and Missouri, and across the United States.

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.

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.

NSF’s Established Program to Stimulate Competitive Research (EPSCoR) - 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.

EPSCoR

COMPETITIVE RESEARCH | Kansas is one of 28 U.S. states or territories under NSF’s Established Program to Stimulate Competitive Research (EPSCoR). Over $11,350,000 in awards have been made to Kansas academic institutions through EPSCoR in FY 2022. For more information, visit Kansas’s EPSCoR state web page.

NCSES

According to the National Center for Science and Engineering Statistics (NCSES), which is housed in NSF, 35% of science, engineering and health doctorates conferred in Kansas are made in life sciences. Visit Kansas’s science and engineering state profile to learn more!

- 26.41% of Kansas’s higher education degrees are concentrated in S&E fields.
- 4.7% of Kansas’s workforce are employed in S&E occupations.
- 8.45% of Kansas’s total employment is attributable to knowledge- and technology-intensive industries.