



NSF & KANSAS

In Fiscal Year (FY) 2019, the **National Science Foundation made \$37,956,000 in awards to Kansas** in support of fundamental research, advanced technical education, entrepreneurial training, STEM teacher training, long-term ecological monitoring, small business development, major research instrumentation, and more.

DID YOU KNOW?

DISCOVERY | Researchers at **Kansas State University's Wheat Genetic Resource Center**, an NSF Industry-University Cooperative Research Center, identified a gene that provides resistance to many wheat viruses, including the wheat streak mosaic virus, a disease causing economic devastation across the Great Plains. The researchers and local partners are now producing a new variety of wheat seed with the resistant gene to make available to Kansas wheat farmers, thus contributing to both food and economic security.



Paleobotanists from the University of Kansas dig up thousands of plant fossils in Antarctica. KU has one of the largest collections of Antarctic plant fossils in the world. **Image Credit:** Mike Lucibella, NSF

STEM WORKFORCE DEVELOPMENT | Driven by local demand for trained facility technicians in biotechnology and other fields, including the Department of Homeland Security's new National Bio- and Agro-Defense Facility, NSF is supporting development of a certificate and an associate of applied science degree in critical environments engineering technology at **Manhattan Area Technical College**.

SUPPORTING STUDENTS | NSF made **\$281,000 in awards in support of graduate students** through its Graduate Research Fellowship Program, which supports students pursuing master's and doctoral degrees in STEM disciplines.

SCIENCE AND ENGINEERING INDICATORS | **4.20% of the Kansan workforce is employed in S&E occupations**, and 8.65% of Kansas's business establishments are industries with high employment in science, engineering and technology (SET) occupations.⁺

COMPETITIVE RESEARCH | NSF made **\$37,685,000 in awards to Kansas academic institutions** in FY 2019.

FAST FACTS

\$37,956,000

Total NSF awards to Kansas in FY19

\$34,661,000

Amount invested in fundamental research in Kansas in FY19

\$3,295,000

Amount invested in STEM education in Kansas in FY19

\$225,000

Amount invested in Kansan startups through NSF's small business program in FY19

\$3,650,000

Amount dedicated to stimulate competitive research in Kansas through NSF EPSCoR

TOP 3 NSF-FUNDED ACADEMIC INSTITUTIONS FOR FY19

\$21,231,000

University of Kansas

\$14,183,000

Kansas State University

\$1,099,000

Wichita State University

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⁺ National Science Board, National Science Foundation. 2020. Science and Engineering Indicators 2020: The State of U.S. Science and Engineering. NSB-2020-1. Alexandria, VA. Available at <https://ncses.nsf.gov/pubs/nsb20201/>.