



U.S. National  
Science Foundation



# MISSOURI

## FY 2023 Fast Facts



**\$91,909,000**

Total NSF Awards  
to Missouri



**\$75,395,000**

Invested in Fundamental  
Research in Missouri



**\$15,976,000**

Invested in STEM  
Education in Missouri



**\$1,586,000**

Invested in Missouri  
Businesses

## Top NSF-funded Academic Institutions for FY 2023

Washington University in  
St. Louis

**\$31,967,000**

University of Missouri

**\$25,999,000**

Missouri University of  
Science and Technology

**\$7,245,000**

## NSF By The Numbers

The U. S. National Science Foundation (NSF) is an [\\$9.06 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.

**DID YOU KNOW?**

NSF has funded the work of **261** Nobel Prize winners over 75 years.



**\$9.06B**

FY 2024  
Total Enacted

**93%**  
Funds research,  
education and  
related activities



**11K**  
Awards



**1.9K**  
Institutions



**353K**  
People

*\*Data represents FY 2023 Actuals unless otherwise indicated*



[www.nsf.gov](http://www.nsf.gov)

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## Expanding the Frontiers of Science

One of the goals of scientific research is to have an impact beyond the laboratory; however, many university researchers do not have the knowledge, support or resources to translate their discoveries to the point of societal or economic impact. A project at the **University of Missouri** seeks to address the challenges and barriers faced by researchers in transforming their innovative ideas into solutions for real-world problems. By designing action-oriented activities and providing hands-on business training and support, the Accelerating Research Translation: Technology, Entrepreneurship and Commercialization Hub project aims to help researchers navigate the complex technical, ethical and commercialization landscape associated with innovation and entrepreneurship. Researchers learn how to utilize local, state and national resources, as well as partner effectively and efficiently with the local communities to advance their research beyond the laboratory. The project's guiding principle is to bring together expertise and resources to establish and maintain a culture of innovation built on diversity and respect where impactful discoveries will result in direct benefits to society.



## STEM Education and Broadening Participation

For the United States to remain globally competitive, it is vital that it taps into the talent of all its citizens and provides exceptional educational preparedness in science, technology, engineering and mathematics areas that underpin the knowledge-based economy. The Missouri Louis Stokes Alliance for Minority Participation program has allied in response to the need for a more diverse and skilled technical workforce. The Alliance is composed of a diversity of institutions, including **Harris-Stowe State University**, a historically Black college and university and lead institution; **Lincoln University**, an HBCU; **Missouri State University**; **Truman State University**; the **University of Central Missouri**; the **University of Missouri-Columbia**; **University of Missouri-St. Louis**; the **St. Louis Community College System**; and **Washington University**. Through this project, the alliance will implement activities to support student success by improving retention, participation in undergraduate research and the overall number of historically underrepresented populations graduating with STEM degrees from the nine alliance institutions. The improved results will strengthen the STEM workforce in Missouri and beyond.



## Regional Innovation Engines

The U.S. National Science Foundation Regional Innovation Engines (NSF Engines) Development Awards help organizations create connections and develop their local innovation ecosystem within two years to prepare a strong proposal for becoming a future NSF Engine. The Missouri-Kansas region hosts a Development Award, led by the **University of Missouri** system, designed to coordinate, stimulate and ripen a microelectronics innovation ecosystem and workforce. The project is developing a blueprint for job creation and workforce training, nationwide coordination, demonstration of the impact of underrepresented and diverse leadership, small and medium-sized business startups and expansions, and public and private sector funding to meet the U.S. onshore production needs in microelectronics.

## NCSES

According to the [NSF National Center for Science and Engineering Statistics \(NCSES\)](#), which is housed in NSF, 33% of science, engineering and health doctorates conferred in Missouri are made in life sciences. Visit Missouri's science and engineering state profile to learn more!

- 28.34%** of Missouri's [higher education degrees are concentrated in S&E fields.](#)
- 4.65%** of Missouri's [workforce is employed in S&E occupations.](#)
- 7.91%** of Missouri'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 the NSF 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 the NSF Research Security website.](#)

**CONNECT WITH NSF** – For more information on NSF's impact in your state, please contact the NSF Office of Legislative and Public Affairs at [congressionalteam@nsf.gov](mailto:congressionalteam@nsf.gov).