



U.S. National
Science Foundation



2025 marks the 75th anniversary of NSF. Throughout the year, the agency will host in-person and virtual activities to commemorate this significant milestone. For more information, visit: [nsf.gov/75years](https://www.nsf.gov/75years)

LOUISIANA

● FAST FACTS



\$87,031,000

Total NSF Awards to Louisiana



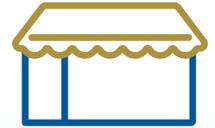
\$78,120,000

Invested in Fundamental Research in Louisiana



\$8,911,000

Invested in STEM Education in Louisiana



\$3,736,000

Invested in Louisiana Businesses

● TOP NSF-FUNDED ACADEMIC INSTITUTIONS

Louisiana State University
\$38,639,000

Louisiana Tech University
\$9,281,000

University of Louisiana at Lafayette
\$5,029,000

● NSF BY THE NUMBERS

The U.S. National Science Foundation (NSF) is an independent federal agency created by Congress in 1950 to promote the progress of science; to advance the national health, prosperity, and welfare; and to secure the national defense. To fulfill this vital role, NSF supports basic research and researchers who create knowledge that transforms the future.

DID YOU KNOW?

NSF has funded the work of **268** Nobel Prize winners over 75 years.



\$9.06B
FY 2024
Total Enacted

92%
Funds research, education and related activities



11K
Awards



1.9K
Institutions



358K
People

"Data represents FY 2024 Actuals unless otherwise indicated"



www.nsf.gov



INNOVATION | *Generating new knowledge that provides a greater understanding of the world around us*

An NSF Major Research Instrumentation award to **Southern University and A&M College** (SUBR), one of the nation's largest HBCUs, supports innovative research that aims to advance the field of additive manufacturing, promoting scientific progress and national manufacturing workforce. Additive manufacturing, or three-dimensional (3D) printing, allows for the creation of three-dimensional objects from digital models, enabling the production of complex and customized parts. This award enables SUBR's acquisition of a multi-material laser powder bed fusion (MM L-PBF) machine, which facilitates the concurrent 3D printing of up to three different materials with high fabrication resolution, overcoming the limitations of traditional single-material systems. This system enables pioneering and fundamental research into the interactions and joining of multiple materials, resulting in components with unique composition distribution, microstructural characteristics, and properties. The project aims to deepen understanding in multi-material additive manufacturing, advancing fields like aerospace, biomedical engineering, and electronics.



EXPANDING FRONTIERS | *Generating institutional capacity, new technologies and societal impact*

NSF Regional Innovation Engines (NSF Engines) represent one of the single largest broad investments in place-based research and development in the nation's history, uniquely placing science and technology leadership as the central driver for regional economic competitiveness. The NSF FUEL Engine in Louisiana, led by **Louisiana State University**, aims to advance research and commercialization efforts in the areas of carbon capture, the use of hydrogen as an alternative fuel, carbon dioxide as a feedstock and sustainable water and manufacturing to promote pathways to decarbonization. The innovation ecosystem driven by this NSF Engine will result in unprecedented advances by creating new technologies and technology startups that solve industry needs, bringing with them new jobs, opportunities and economic prosperity to Louisiana.



EDUCATION AND WORKFORCE | *Supporting our STEM talent of today and tomorrow*

The NSF Historically Black Colleges and Universities - Undergraduate Program provides support to strengthen STEM undergraduate education and research at HBCUs. This program supports the Leveraging Innovation and Discovery for STEM Success (LIDSS) project at **Grambling State University**, a comprehensive effort to prepare highly competitive STEM graduates to meet the challenges of an ever-changing world. The LIDSS project aims to improve the recruitment, retention and graduation of STEM students, with priority being given to the recruitment of veterans as STEM majors. A STEM entrepreneurship academy and a makerspace support faculty being able to integrate entrepreneurship within curricula to further nurture the creativity of STEM majors. In addition, the project aims to establish partnerships with research-intensive institutions to expand the research capacity of STEM faculty through collaboration and mentoring opportunities.

COMPETITIVE RESEARCH

LOUISIANA is one of 28 U.S. states or territories under the NSF Established Program to Stimulate Competitive Research (EPSCoR) and recently received an award through NSF's new E-CORE program. For more information, visit [LOUISIANA'S EPSCoR state web page](#).

NCSES

The [National Center for Science and Engineering Statistics \(NCSES\)](#) within the U.S. National Science Foundation is the nation's leading provider of statistical data on the U.S. science and engineering enterprise. As a principal federal statistical agency, NCSES conducts nationally representative surveys and publishes objective data and reports on topics related to research and development, the science and engineering workforce, and STEM education. For example, in FY 2024, **Louisiana** invested **\$1,475,000,000** on research and development.

For more information on NSF's impact in your state, please contact NSF Office of Legislative and Public Affairs at congressionalteam@nsf.gov.

LEARN MORE

- **BROUGHT TO YOU BY NSF** – NSF has invested in discoveries, inventions, and innovations that have shaped the modern world, including the internet, 3D printing, American Sign Language, Magnetic Resonance Imaging (MRI), deep sea exploration, Doppler radar and more. For more information on NSF impacts, please visit: [nsf.gov/impacts](https://www.nsf.gov/impacts).
- **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](#).
- **FOSTERING INNOVATION** – Every year, NSF funds around 400 companies across nearly all technology areas to create prototypes and commercialize technologies. Learn more at [seedfund.nsf.gov](https://www.seedfund.nsf.gov).