



# MONTANA

## FY 2021 Fast Facts



**\$39,671,000**

Total NSF Awards to Montana



**\$31,404,000**

Invested in Fundamental Research in Montana



**\$8,267,000**

Invested in STEM Education in Montana



**\$511,000**

Invested in Montana startups

## Top NSF-funded Academic Institutions for FY 2021

**\$24,051,000**

Montana State University

**\$9,560,000**

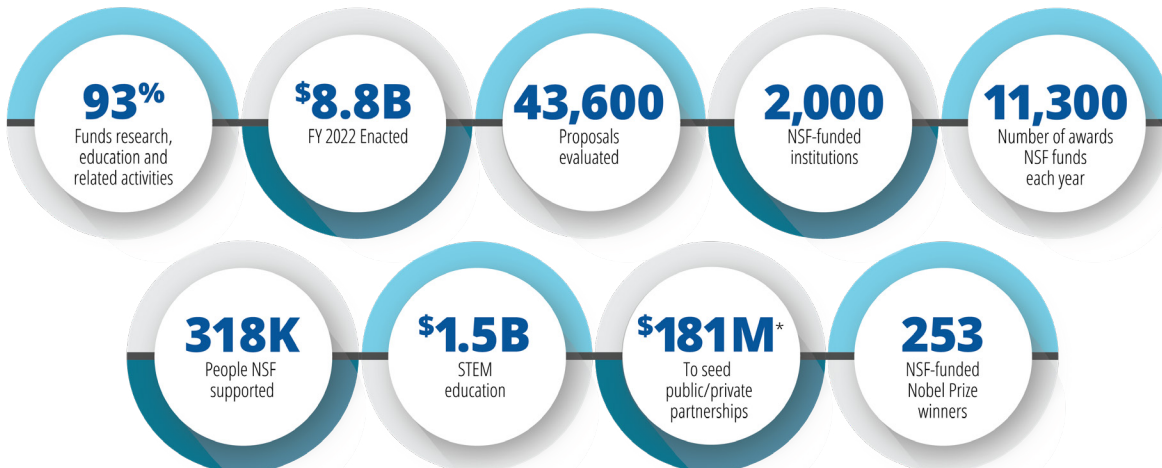
University of Montana

**\$2,333,000**

Aaniiih Nakoda College

## NSF By The Numbers

The National Science Foundation (NSF) is an [\\$8.8 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 2021 Actuals unless otherwise indicated.  
\*Corresponds to NSF investments initiated in FY 2021 and spanning multiple years.



## NSF-funded COVID-19 Research and Recovery

**Montana State University**, Iowa State University, and Texas A&M-Commerce will investigate postsecondary institutional policies and practices that are designed to help graduate students feel supported during the COVID-19 pandemic and the influence of these efforts on graduate student educational and career decision-making. The study will contribute to a research base for graduate school administrators and faculty concerning how to immediately help graduate students during a crisis and how to develop strategies that might be most effective for supporting graduate students in STEM fields and more broadly as they make degree and career related decisions as society emerges from the crisis.



## STEM Education & Broadening Participation

NSF's Tribal Colleges and Universities Program, or TCUP, increases the STEM instructional and research capacities of specific institutions of higher education that serve the nation's Indigenous students. Expanding the STEM curricular offerings at these institutions increases the opportunities of students to pursue challenging rewarding careers in STEM fields, provides for research studies in areas that may be culturally significant, and encourages a community and generational appreciation for science and mathematics education. Through a TCUP award, Aaniiih Nakoda College aims to strengthen existing relationships among STEM faculty at participating institutions (Aaniiih Nakoda College, Little Big Horn College, Stone Child College and **Montana State University**) and build new course-based research experiences for American Indian students.



## Research Driving Innovation

With a grant from NSF, **Montana State University** and the University of Arkansas established the MonArk Quantum Foundry to accelerate the development of quantum materials and devices. The MonArk Quantum Foundry is only the second research group in the country funded by NSF's Enabling Quantum Leap: Convergent Accelerated Discovery Foundries for Quantum Materials Science, Engineering and Information program, which is designed to create connections between science and industry. The foundry will assist those studying 2D materials for quantum technologies by creating tools to aid their research and infrastructure to facilitate the exchange of ideas across academia and the private sector.



## EPSCoR

**COMPETITIVE RESEARCH** | Montana is one of 28 U.S. states or territories under [NSF's Established Program to Stimulate Competitive Research \(EPSCoR\)](#). Over **\$4,790,000** in awards have been made to Montana academic institutions through EPSCoR in FY 2021. For more information, visit [Montana's EPSCoR state web page](#).

## NCSES

According to the [National Center for Science and Engineering Statistics \(NCSES\)](#), which is housed in NSF, **45%** of Science, Engineering and Health doctorates conferred in Montana are made in Life sciences.

- **3.95%** of Montana's workforce are employed in S&E occupations.
- **40.04%** of Montana's higher education degrees are concentrated in S&E fields.

## Learn More

**COVID RELIEF** - Congress provided NSF with funding to prevent, prepare for, and respond to COVID-19 in the CARES Act of 2020 and the American Rescue Plan (ARP) Act of 2021. For more information on NSF-funded COVID-19 research and recovery, visit NSF's award database for [CARES Act](#) and [ARP](#) awards, and NSF's Toolkit for [COVID funding updates](#).

**NSF FACT SHEETS** – NSF provides fact sheets about the agency and its bold investments in basic research. These fact sheets profile NSF investments in research across all fields of science and engineering, including [quantum](#), [artificial intelligence](#), and [advanced manufacturing](#), and the NSF-supported [research](#) and [computing infrastructure](#) powering the U.S. response to COVID-19.

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