



NATIONAL SCIENCE FOUNDATION RESEARCH

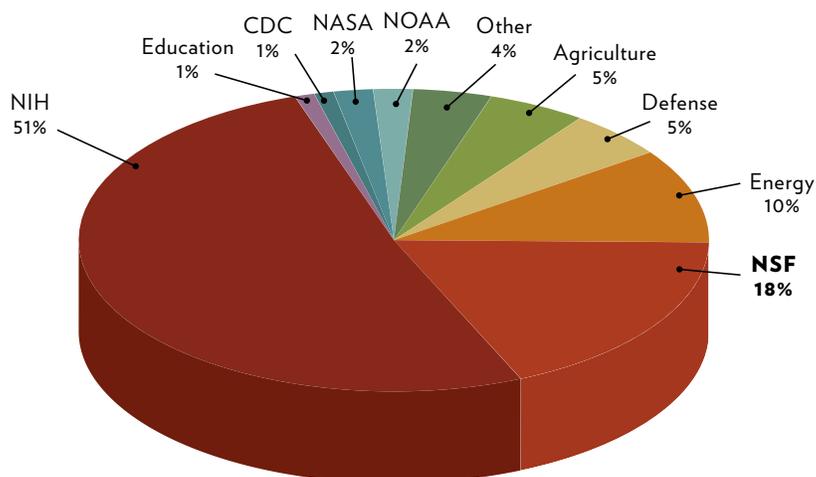
UW-MADISON: RANKED #8 NATIONALLY WITH \$1.3 BILLION IN ANNUAL RESEARCH EXPENDITURES

The National Science Foundation (NSF) is the only federal agency whose mission includes support for all fields of fundamental science and engineering, except for medical sciences. NSF funds merit-based research across disciplines and supports science, math, and engineering education across the country.

At UW-Madison, NSF research occurs across campus, from astronomy to geology to zoology.

\$120.2 million

NSF federal research awards at
UW-Madison in 2019-20



EXAMPLES OF NSF RESEARCH AT UW-MADISON

Wisconsin Quantum Institute

Developing next-level computer power: UW-Madison has been named a joint member of Hybrid Quantum Architectures and Networks (HQAN), a new research center that will push the envelope of what's possible with quantum computers. Quantum computing uses the principles of quantum physics to develop computing power that even the most powerful conventional supercomputers cannot match. Quantum computers could solve complex logistics deployment problems or help to discover new life-saving medicines. [Read more online.](#)

College of Engineering

Filling the face shield shortage: Created and launched in March by UW researchers in response to the COVID-19 pandemic, Shield-Net is an online platform that matches organizations in need of face shields with manufacturers producing them. The platform uses an optimization model that considers urgency, order size, manufacturer production rates and geographic location. Shield-Net has successfully matched more than 40,000 shields around the country. The project supports data collection efforts that improve understanding of the role pop-up supply chains can play in addressing supply shortages during pandemics and other nationwide emergencies. [Read more online.](#)

WHY UNIVERSITY RESEARCH MATTERS

By supporting NSF, you support the basic research and people who develop innovations to transform the future and keep the U.S. at the leading edge of discovery.

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