



February 2024

FY2025 Appropriations for the National Science Foundation

Federal research investments in the National Science Foundation (NSF) help secure America's leadership in fundamental scientific research and transformational technologies.

We request you submit a programmatic request—to the Commerce, Justice, Science, and Related Agencies Subcommittee (CJS)—to support the NSF with \$11.9 billion in FY2025 appropriations to ensure the United States remains a global talent and innovation leader.

We request you submit a language request for FY2025 appropriations. The following had appeared in Senate reports on CJS appropriations for some years. It is not in EXPLANATORY STATEMENT FOR COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS BILL, 2023. We request the following language be added back into the CJS appropriations report:

“Mathematical Sciences Institutes.—The Committee recognizes the importance of the NSF Mathematical Sciences Institutes across the country, which provide important basic research in multiple fields.”

University-based mathematicians do not typically have labs, and the NSF-funded institutes play a very large role in our community, hosting a variety of programs. They are critical for building community, advancing research, and serving as local partners in education and outreach.¹

Further Information and Rationale for our Two Requests

We must significantly increase our national investment in science, mathematics, and engineering to fuel our economy, enhance our security, and remain competitive in the global scientific research enterprise.

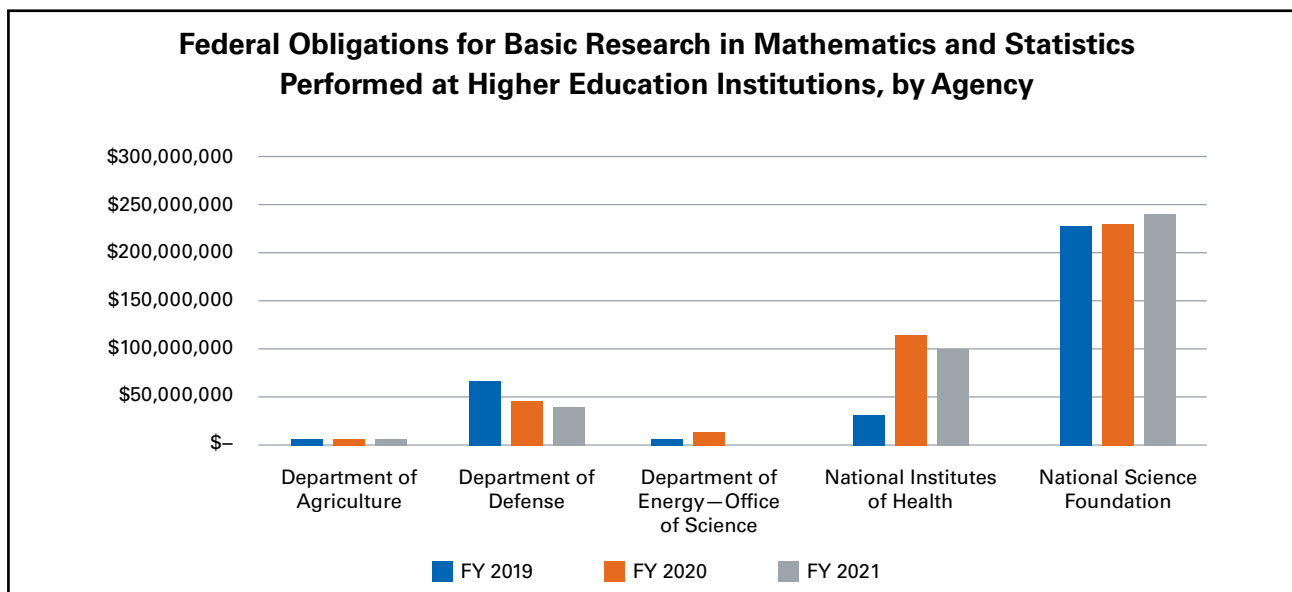
The NSF is the only federal agency supporting research and education in all the fundamental science and engineering disciplines. NSF-supported research leads to technological innovations that directly benefit society.

Progress in science, engineering, and technology depends on foundational mathematics.

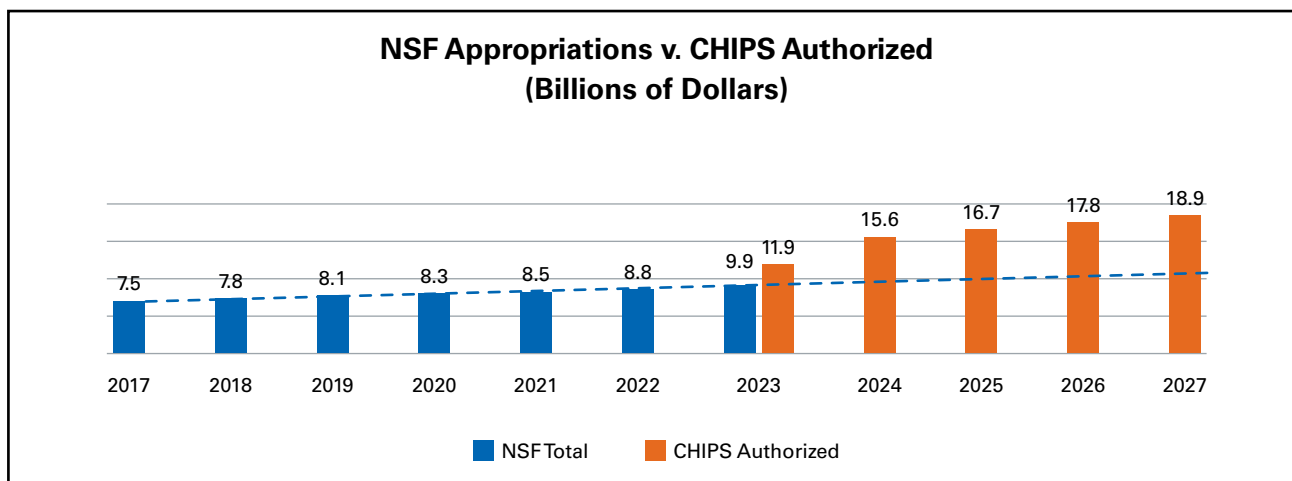
As examples, mathematicians

- model climate systems and predict weather patterns, helping keep Americans safe from catastrophic climate events;
- produce basic research needed for advances in artificial intelligence (AI) and machine learning (ML);
- develop cybersecurity systems to protect our sensitive data; and
- discover abstract theories that underpin imaging technologies used to detect diseases, including cancer.

The NSF is the largest single source of federal funding for fundamental research in the mathematical sciences done on college and university campuses. **The NSF-funded Mathematical Sciences Institutes – located across the country – play a large role in advancing research in multiple mathematical fields.**



The CHIPS and Science Act of 2022 (PL 117-167) gave an exciting roadmap for the United States to remain a global leader in discovery and innovation. While the “science” part of CHIPS and Science has been authorized, it has not been appropriated.



¹ <https://mathinstitutes.org/>

About the American Mathematical Society

Founded in 1888, the American Mathematical Society (AMS) is dedicated to advancing the interests of mathematical research and scholarship and connecting the diverse global mathematics community. The AMS has nearly 30,000 individual members worldwide and supports mathematical scientists at every career stage.

Office of Government Relations

Advocating at the federal level for the mathematical sciences

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