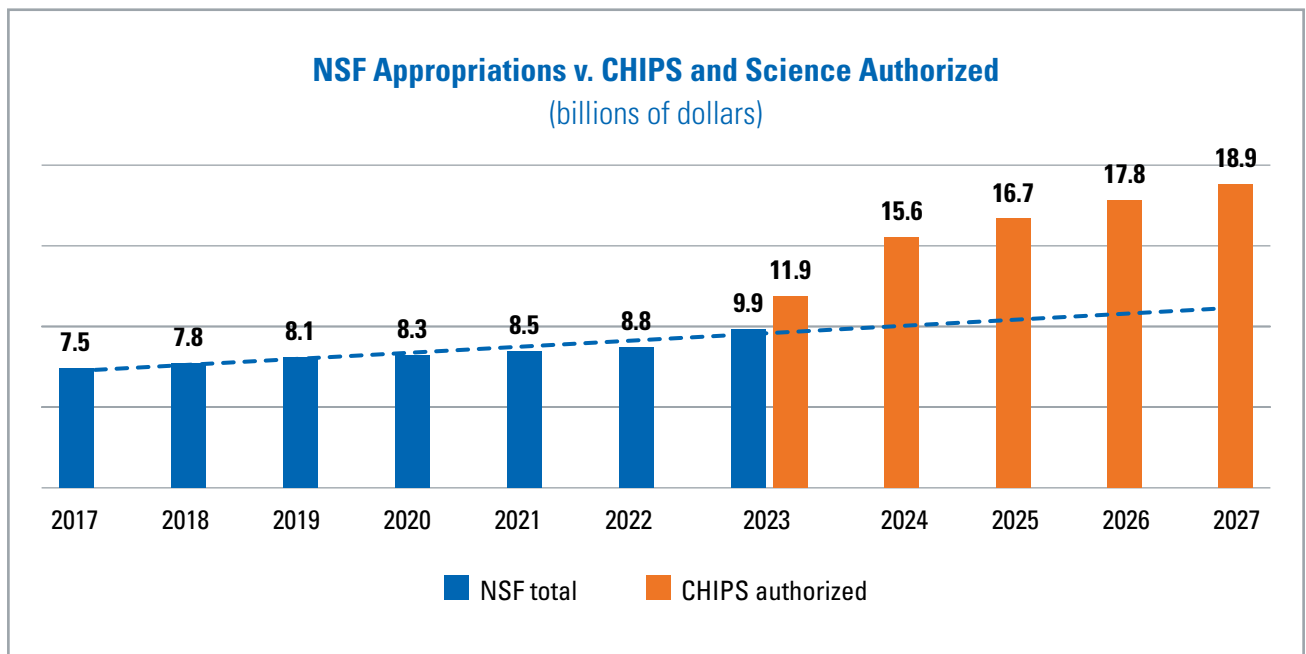




March 2023

Congressional appropriations in FY2024 for the National Science Foundation (NSF) that match the historic and bipartisan authorization increase enacted in the Creating Helpful Incentives to Produce Semiconductors (CHIPS) and Science Act of 2022 (Public Law 117–167) will work to secure America’s leadership in fundamental scientific research and transformational technologies.

While much less ambitious than the CHIPS and Science authorization level of \$15.6 billion, we urge Congress to provide the NSF with funding in FY2024 of at least \$11.9 billion, which is the amount that CHIPS and Science authorized for NSF in FY2023.



Our nation must significantly increase our 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.

Mathematics is a foundational discipline upon which future progress in science, engineering, and technology depends.

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
- originate theoretical work that underpins imaging technologies used to detect diseases, including cancer.

The NSF provides more than 70% of federal support for academic mathematical sciences research. The NSF-funded Mathematical Sciences Institutes are located across the country and play a large role in advancing research in multiple mathematical fields.

The U.S. Congress's bipartisan commitment to the landmark CHIPS and Science Act provides an exciting roadmap for federal research investments in the NSF, including the launch of the new Directorate for Technology, Innovation, and Partnerships.

NSF programs are integral to the development of the U.S. STEM workforce. CHIPS and Science authorized significant increases in both the size and number of graduate fellowship and traineeship opportunities available from NSF, as well as deploying new initiatives in K–12 teaching and learning. These programs are the most powerful tool to build our domestic talent base and ensure our competitive edge.

While the “science” part of CHIPS and Science has been authorized, it has not been appropriated.

We urge you to submit a programmatic request—to the Commerce, Justice, Science, and Related Agencies Subcommittee—of \$11.9 billion for the agency total for FY2024 NSF appropriations.

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 mathematical community. The AMS has 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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