Funding Fundamental Research: The Building Blocks of American Innovation

ACTION

To help ensure U.S. competitiveness, Congress should match the authorizations in the CHIPS and Science Act and provide robust funding for the DOD 6.1 and 6.2 research accounts in FY24.

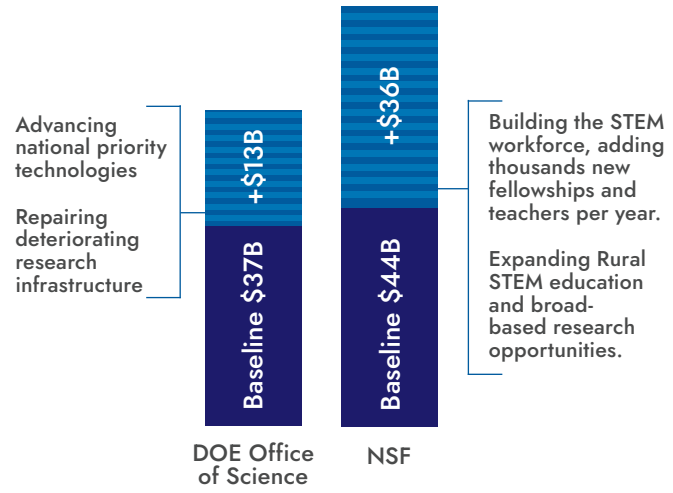
Fundamental research is essential to U.S. competitiveness. Federal funding directly impacts the future US STEM workforce

More than 85% of the long-term growth of the U.S. economy is attributed to advances in science and technology.

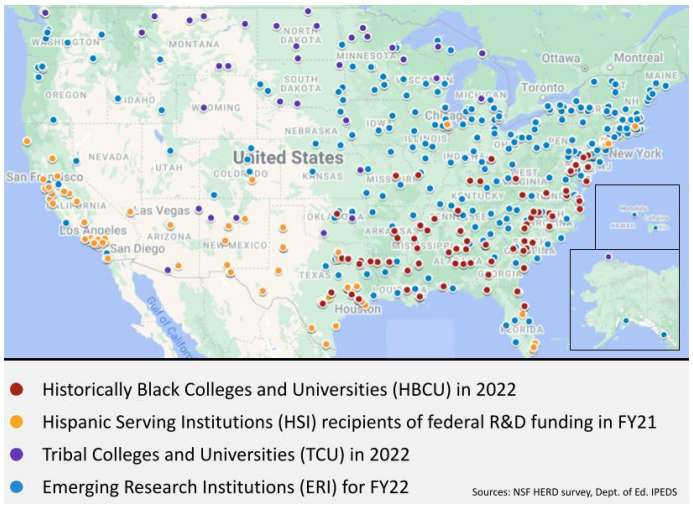
Physics research programs help generate the technical workforce demanded by our high-tech economy. Roughly 50% of new PhDs in physics take jobs in the private sector.

The "and Science" Promise: Investments in Research, People, and Communities

Failing to match the authorized funding levels in the CHIPS and Science Act means missed opportunities for students, researchers, and the nation.



Baseline and plus up calculated over a period of 5-years



Broadening Participation and Building STEM Capacity Across All 50 States

Full appropriations of the CHIPS and Science Act will greatly expand participation in STEM and geographical diversity of federal R&D investments. Initiatives include:

- Regional Innovation Hubs (NIST)
- Expanded partnerships with HBCUs, MSIs, ERIs, TCUs, (NSF, DOE)
- And more

Fully Funding the CHIPS and Science Act is Critical

Harnessing the full potential of our R&D enterprise requires appropriations matching the ambitious funding levels laid out in the CHIPS and Science Act. People are the bedrock of U.S. R&D, and these increases are vital to support them and the economic health of our nation.

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APS Government Affairs | elsesser@aps.org | (202) 846-8121 | cvd.aps.org

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