HBCUs: A Resource for our Nation: Now!!

UNIVERSITY OF THE DISTRICT OF COLUMBIA 1851

National Sponsored Programs Administrators Alliance
NSPAA
of HBCUs, Inc.

NATIONAL SCIENCE BOARD
NSB

Victor R. McCrary,
Vice President for Research

June 7, 2023

Building the HBCU Research Ecosystem:

Trends & Opportunities

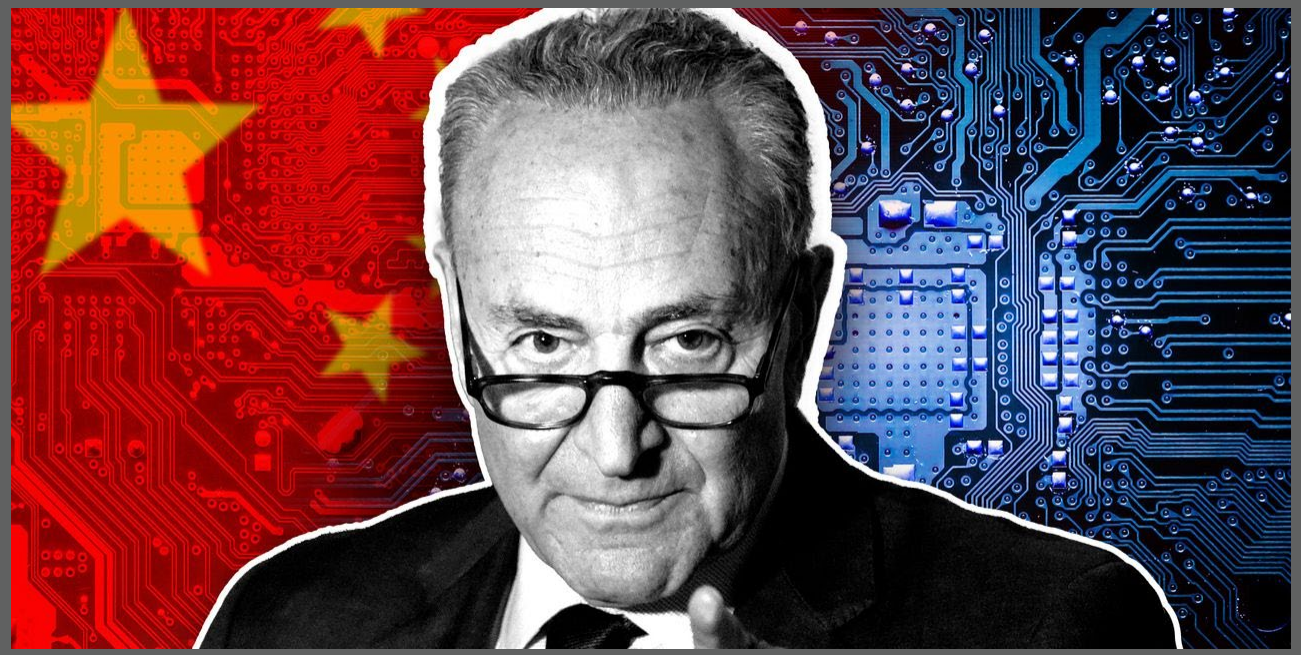
RESEARCH SECURITY – CHIPS + SCIENCE ACT

STEM WORKFORCE DEVELOPMENT

DOD-CLEARED STEM WORKFORCE

MINORITY BUSINESS ENTERPRISES

CHIPS+Science Act 2022
Aimed at countering China's tech sector & restoring the US global competitiveness



Provisions of the Bill – Opportunities for HBCUs/MSIs

- Establishes University Technology Centers for Industries of Tomorrow
- **Increased funding for Community Colleges**
- Authorizes increased funding for the TIP Directorate in NSF
- **Targets 'emerging research' HBCUs/MSIs to increase research capacity**

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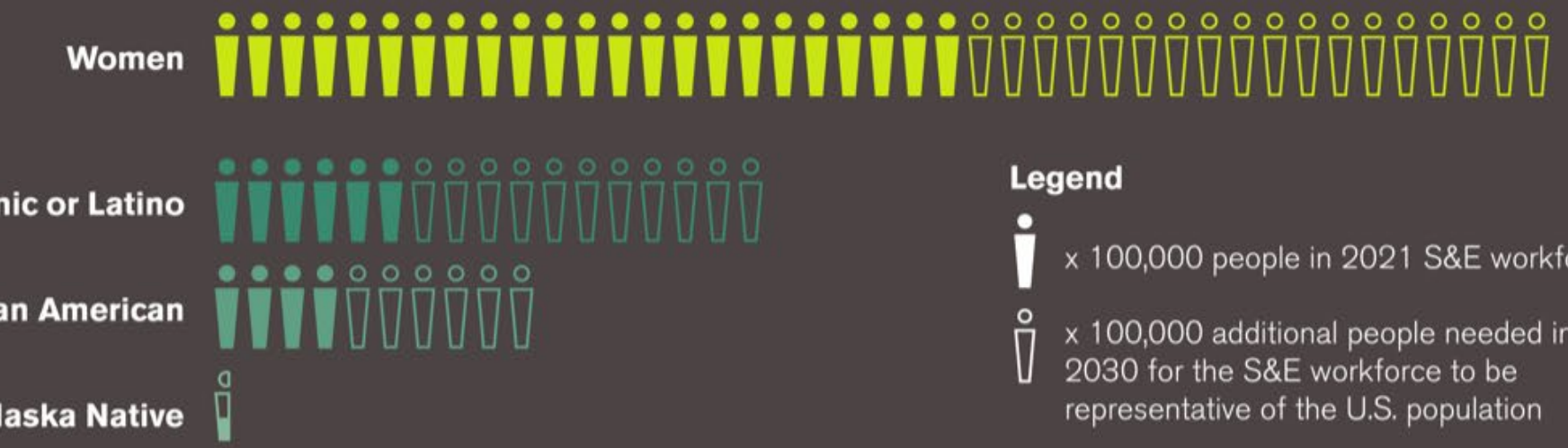
NSF | NSB NATIONAL SCIENCE BOARD

Missing Millions: Faster Progress in Increasing Diversity Needed to Reduce Significant Talent Gap



While the number of people from under-represented groups in the S&E workforce has grown over the past decade, much faster increases will be needed for the S&E workforce to be representative of the U.S. population in 2030. To achieve that goal, the NSB estimates that the number of women must nearly double, Hispanic or Latinos must triple, Black or African Americans must more than double, and the number of American Indian or Alaska Native S&E workers needs to quadruple (from 15,000 to 60,000). The NSB estimates that the number of Native Hawaiian or Other Pacific Islanders will be slightly overrepresented in the S&E workforce in 2030.

These estimates are based on projections from the U.S. Census and Bureau of Labor Statistics, together with data from the 2021 Women, Minorities, and Persons with Disabilities in Science and Engineering report published by the National Center for Science and Engineering Statistics and assume that participation of these groups in the S&E workforce increases at current rates.

The Value Proposition of TCUs, HSIs, & HBCUs:

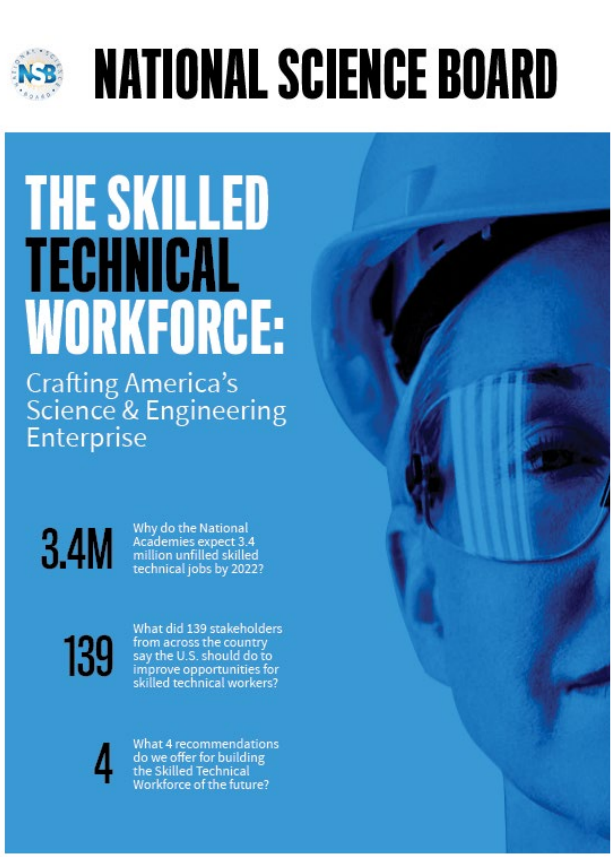
"We Are Essential for the National Security of the US Research Enterprise"

DIVISION B—COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2018

NATIONAL SCIENCE FOUNDATION

This Act includes $7,767,356,000 for the National Science Foundation (NSF). This strong investment in basic research reflects the Congress' growing concern that China and other competitors are outpacing the United States in terms of research spending, as noted in the 2018 Science and Engineering Indicators report of the National Science Board.

Omnibus Budget, signed into law March 23, 2018



The Skilled Technical Workforce: Crafting America's Science & Engineering Enterprise

Victor McCrary, Vice President for Research,
University of the District of Columbia; Vice-Chair, National Science Board

National Science Board

Building the HBCU Research Ecosystem:

Priorities for Success

Leadership buys in from the Top (Trustees, President, Agency Head, CEO)

Office of University Research & Sponsored Programs is the strategic in focus

Promote your Defense-Industry Research Initiatives!


If You're Not at the Table, You're on the Menu