

Cybersecurity Education and Workforce

The overall message and intent of the CHIPS & Science Act of 2022 is to focus on increasing the strength of American supply chains, manufacturing, national security, and the workforce to support those three aspects. As cybersecurity workforce and its development is an integral part of supply chains and national security, its overarching goal is to build a more diverse and resilient cybersecurity workforce to address future demands of the public and private sectors.



Serving Underrepresented Communities

An underrepresented¹ community is a group that is not represented in the majority with respect to race, ethnicity, national origin, sexual orientation, gender identity, or physical ability.

HBCU: Historically Black College and University

HSI: Hispanic Serving Institution

HBGI: Historically Black Graduate Institute

ANNH: Alaska Native and Native Hawaiian Serving Institution

PBI: Predominantly Black Institutions

NASNTI: Native American Serving Non-Tribal Institutions

TCU: Tribal Colleges and Universities

MSEIP: Minority Science and Engineering Improvement Program

AANAPISI: Asian American and Native America Pacific Islander Serving Institutions

PPOHA: Promoting Post Baccalaureate Opportunities for Hispanic Americans

Outreach to Underserved Communities



Cybersecurity Education Diversity Initiative (CEDI)

Consortium Enabling Cybersecurity Opportunities and Research (CECOR)

DHS Intelligence and Cybersecurity Diversity Fellowship Program

White House Initiative on Advancing Educational Equity, Excellence, and Economic Opportunity:

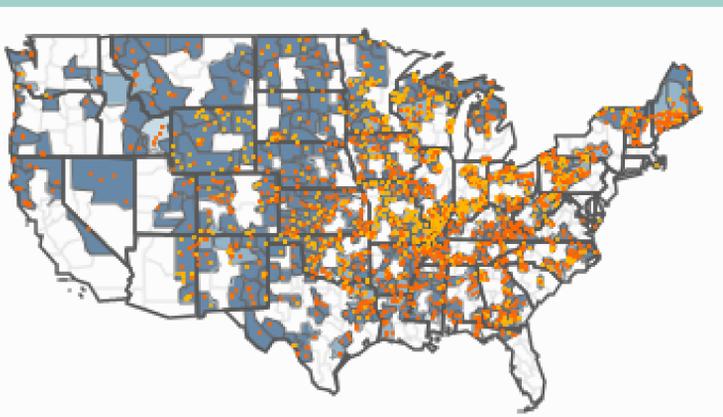
- Through Historically Black Colleges and Universities
- For Hispanics
- For Native Americans and Strengthening Tribal Colleges and Universities

Abbott, Microsoft and Raytheon Technologies, & HBCU Cybersecurity Industry Collaboration Initiative Pilot making these HBCUs national academic institutions for cybersecurity, while creating a strong workforce.

WSC: Women's Society of Cyberjutsu
Cyversity: Diversify.Educate.Empower.
WiCyS: Women in Cybersecurity

Including Rural Underserved Communities

Underserved communities are populations who face barriers in accessing resources and include populations based on geographic location, religion, sexual orientation, gender identity, racial and ethnic populations, or because of special needs.



<https://mappingruralcolleges.wisc.edu/map>

- Boise State University receives funding from Idaho National Laboratory to provide cybersecurity assistance to rural² communities and schools
- In 2020, Big Sandy Community and Technical College started the Appalachian Solutions Cybersecurity Innovations Initiative supported by three federal grants
- The Cybersecurity and Infrastructure Security Agency awards \$2 million to NPower and CyberWarrior to bring cybersecurity training to rural communities and diverse populations

¹ Executive Order No. 13985, 86 FR 7009, (2021) defines underrepresented and underserved communities
² The Census Bureau defines rural as any population, housing, or territory NOT in an urban area