Academic Outreach

Strategically Strengthen the next generation of diverse cyber professionals

Cyber is an ever-changing landscape, and part of NSA’s mission is to detect emerging technologies that will become the next generation of threats. As these threats advance, the resources to build the expertise within the current and future cyber workforce must advance as well.

Strategic Mission

To keep America secure, and unleash the next era of American innovation, we must drastically scale up the cyber workforce by investing in cybersecurity education from kindergarten through college. To do so, we prioritize the following:

- Expand and Enhance the Cyber Workforce
- Strengthen the Federal Cyber Workforce
- Transform Cyber Education
- Inform National Strategic Policy on Cyber Workforce and Education
- Equip Every American with Foundational Cyber Skills

Our Offerings

K-12 Development

- Immersive Learning Activities
- Caesar Shift Cipher
- Cryptographic Hashing
- Basic Coding/Sequencing
- Racing Robotics
- CyberSafety 101
- Cyber Threat Defender
- Cyber clubs
- Cyber curriculum enhancements

Collegiate Engagement

- Technical talks
- Informational briefings
- Collaborative discussions with NSA experts
- Visiting professors and scholars
- Tours for student groups and clubs
In 2023, NSA contributed to the White House’s first-ever National Cyber Workforce and Education Strategy in consultation with industry, academia, non-profit organizations, and government partners. NSA’s commitments include a pilot initiative to help develop “cyber clinics” across the nation which will support communities and small governments that would otherwise not have access to cyber risk assessment and planning assistance.

**Lines of Action**

**K-20 Education**
Foster interest in STEM/Cyber careers at all educational levels. This will include utilizing content from National Cryptologic Institutions, increasing outreach to Colleges/Universities, and hosting student presentations that illustrate the diversity of cybersecurity.

**Recruitment**
Increase diversity for the future of NSA Cybersecurity. We will also accelerate and increase recruitment for Historically Black Colleges and Universities (HBCUs), Hispanic Serving Institutions (HSIs) and other minority-focused educational institutions.

**Partnerships**
Broaden partnerships with relevant colleges/universities, with military academies/Centers of Academic Excellence, and Federally Funded Research and Development Centers. This will include establishing opportunities for NSA Cybersecurity experts to participate in campus lectures as well as for university personnel to serve as “Visiting Scholars” for NSA Cybersecurity.

**We foster diverse, STEM and cybersecurity professionals of the future.**
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NSA inspires the cyber experts of tomorrow through K-20 engagements in school and at the Cybersecurity Collaboration Center.

**Connect with us**
To learn more, email us at CyberAcademicOutreach@uwe.nsa.gov or go to nsa.gov/ccc