Cyber Defense Education & Training (CDET)

America needs well-trained professionals working in cybersecurity roles.

These professionals are critical in both private industry and the government for the security of individuals and the nation. The Cybersecurity and Infrastructure Security Agency (CISA) is committed to strengthening the nation's cybersecurity workforce through standardizing roles and helping to ensure we have well-trained cybersecurity professionals today as well as a strong pipeline of future cybersecurity leaders tomorrow.

CYBER.ORG

CYBER.ORG, formerly the National Integrated Cyber Education Research Center (NICERC), is a cybersecurity workforce development organization that targets K-12 students with cyber career awareness, curricular resources, and teacher professional development. CISA supports CYBER.ORG through a grant to develop and distribute cyber, STEM, and computer science curricula to educators across the country.

Provide Cyber Education Resources
The most effective way to support teachers is through curricula, training, and resources.

Build Education Pipeline
By supporting K-12, we can build a steady stream of students prepared to enter cybersecurity programs and jobs.

Solve Workforce Shortage
Currently, the demand for cybersecurity talent is outpacing the supply. By 2022, 1.8 million cyber jobs are projected to be unfilled.

What Teachers Are Saying About CYBER.ORG content

" [...] students not only understand the content, but are able to utilize it in projects that reflect **real world scenarios.** "

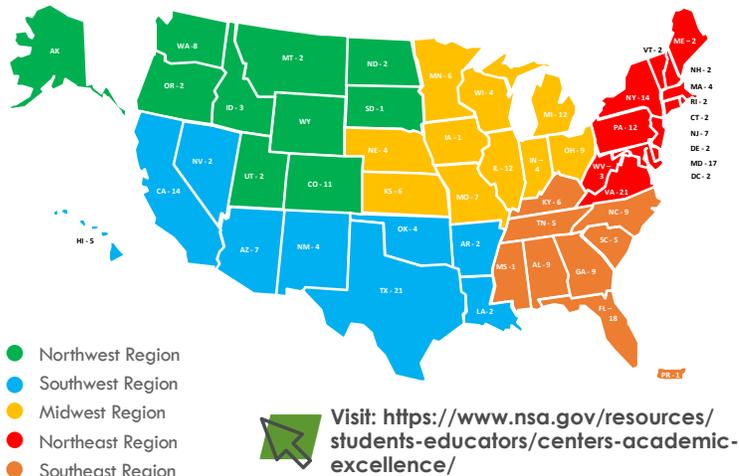" It opens their eyes to ideas outside the box for **career choices.** "

" The foundational principles that this curriculum helped build for my students has **ignited an interest in programming and coding** in my students who have never been exposed to it before. "

IMPACT as of October 2020

- **21,000+** teachers enrolled in CYBER.ORG content

- **3 million** students impacted by CYBER.ORG content

CYBER.ORG
THE ACADEMIC INITIATIVE OF THE CYBER INNOVATION CENTER

National Centers of Academic Excellence in Cybersecurity

- Northwest Region
- Southwest Region
- Midwest Region
- Northeast Region
- Southeast Region

Visit: https://www.nsa.gov/resources/students-educators/centers-academic-excellence/

The National Centers of Academic Excellence in Cybersecurity (NCAE-C) program, jointly sponsored by the National Security Agency (NSA), CISA, and the Federal Bureau of Investigation (FBI, the National Science Foundation (NSF), and the National Initiative for Cybersecurity Education (NICE), was established to meet the growing need for knowledgeable and skilled cybersecurity professionals within the federal government - and ultimately, within state and local governments and industry.

Program Highlights

- Receive U.S. government recognition for your institution's cyber defense education, cyber operations, and cyber research programs
- Serve as a potential source and facilitator for government - academic researcher exchanges

- Align to specified academic standards, known as Knowledge Units, mapped to the National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework
- Facilitate development of faculty and research leaders at your institution

- Join the NCAE-C Community and contribute to the growth of the cybersecurity field
- Make your program more competitive for student scholarships and grants

CyberCorps®: Scholarship for Service Program

- **87** active institutions
- **4,400+** scholarships awarded since 2001
- **800+** scholars currently enrolled
- Placement in **140** government entities
- Program generates **350+** graduates

The CyberCorps®: Scholarship for Service (SFS) Program, jointly sponsored by NSF, CISA, and the Office of Personnel Management (OPM), seeks to increase the number of qualified employees working for Federal, State, local, tribal, and territorial governments in cybersecurity, and to increase the capacity of the United States education enterprise to produce professionals in cybersecurity. The scholarship program provides funds to two- and four-year colleges and universities for student scholarships in support of education in areas relevant to cybersecurity. In return for the financial support, recipients must agree to work for the U.S. government after graduation in a cybersecurity-related position, for a period equal to the length of the scholarship.

Scholarship Components

- Up to 3 years of support for undergraduate and graduate (MS or PhD) education
- Academic-year stipends of $25,000 per year for undergraduate students and $34,000 per year for graduate students
- Tuition and education related fees (does not include items such as meal plans, housing or parking)
- Professional allowance of $6,000 for SFS Job Fair and other travel, professional certification, etc.
- Participation in virtual and in-person job fairs (in-person in Washington, D.C. area)
- Post-graduation government service requirement for a period equivalent to the length of scholarship

Contact:

Students:
https://sfs.opm.gov or email SFS@opm.gov

Academic Institutions:
https://nsf.gov/funding/pgm_summ.jsp?pims_id=504991