CYBERSECURITY
Center *of* Excellence
WASHINGTON STATE

Hosted by
Whatcom
COMMUNITY COLLEGE

News & Updates

August 2024

Teaching Cybersecurity Across Disciplines: National Cyber Workforce & Education Strategy

Has your institution explored ways to cross-train students and educators from a variety of fields? If you have a cybersecurity certificate or degree program, treat it as a rich resource that can infuse benefits into other learning tracks.
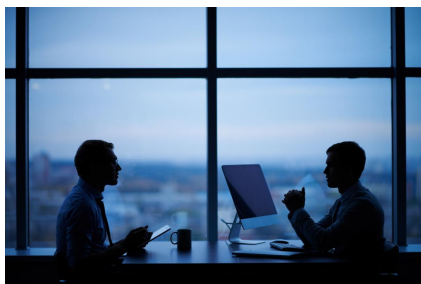
The White House's National Cyber Workforce Education Strategy advocates an interdisciplinary approach to cyber education. This article highlights four non-IT programs and the cyber skills that should be taught within them.

Read More

Cybersecurity Jobs Report by Lightcast.io - 2Q 2024

In accord with the National Cyber Workforce and Education Strategy, Lightcast.io provides quarterly data announcements about the cyber labor market.

Does your college have a strategy to help fill this gap?

Statistics
- 225,200 cybersecurity workers needed nationwide.
- Entry-level jobs have a worker surplus of 12%
- Only 7% of existing cybersecurity workers were hired directly after completing their education, the majority of these have bachelor's degrees or higher.
- Around 54% of existing cybersecurity workers were sourced from other cybersecurity or IT roles, while another 39% were sourced from non-IT fields.

Conclusion
The majority of job postings and the majority of hires are for people with experience. But employers struggle to find those workers and convince them to come onboard. Furthermore, employers are resistant to hiring cybersecurity workers with no experience.

Contact us at **coecyber.io** to share your ideas.

Lightcast.IO says:
"*Cybersecurity employers can't find experienced workers, and new cybersecurity workers can't find their first job.*"

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Spotlight on Everett Community College

This summer we chatted with Dennis Skarr from Everett Community College (EvCC) about their course on **Cybersecurity for Physical Infrastructure**.

Click the Read More button to learn about the hands-on cyber range of industrial control systems that they built to align with the needs of the local job market.
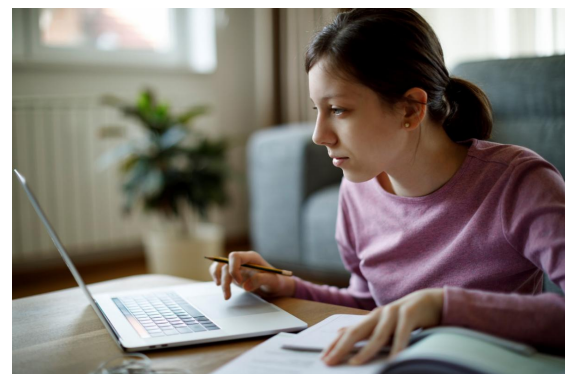
Read More

NCWES Initial Stages of Implementation - One Year Report

It has been a year since The National Cyber Workforce and Education Strategy (NCWES) was published by the White House Office of the National Cyber Director (ONCD).

The NCWES charts a course for this nation to build a robust ecosystem of cybersecurity workforce development.

Their "Initial Stages of Implementation" document describes the progress so far and includes many resources to bookmark and reference regularly.

For example, scholarships, apprenticeships, cyber clinics, training programs, high school engagement projects, as well as resources for the disabled, diversity groups, and veterans.

COMING SOON - ONCD promises a cyber workforce and education ecosystem playbook for publication in fall 2024 that draws on expertise from the private sector.

Read the Report

Professional Development Stipends for Faculty

Funding is available to help faculty increase their skills in cybersecurity. Applicable for faculty who teach cybersecurity *and other disciplines where cyber skills are needed*.

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Interested in AI, industrial security, encryption, or policies and governance?

How about incident response management, medical device security, or security of the manufacturing supply chain?

Click the Apply Now button to request a stipend for a class, bootcamp, books, or a conference. Let us know how we can help.

Apply Now

Upcoming Events

National Cybersecurity Virtual Career Fair

NCYTE CENTER

**Virtual 9 AM to 1 PM PST
September 27, 2024**

As the CAE in Cybersecurity program continues to designate new CAE's, the number of students participating in the VCF grows each year. Last year, over 1100 students and alumni participated in the virtual career fair.

Employers from industry, government, and academia will be present seeking top cyber talent from over 450 institutions designated as Centers of Academic Excellence in Research (CAE-R), Cyber Defense (CAE-CD), and Cyber Operations (CAE-CO) and institutions in the Candidate's Program (pending approval).

Register Here

Cyber Supply Chain Risk Management Conference (CySCRM) 2024

This 2-day collaborative forum brings together researchers and thought leaders within academia, industry and government. They will focus on increasing trust and security in the electronic and digital control systems for critical infrastructure.

The event is open to anyone with an interest in

cybersecurity for mission critical systems and supply chains.

Cyber SCRM for Critical Systems Workshop
At Pacific Northwest National Laboratories (PNNL), Discovery Hall.
650 Horn Rapids Rd, Richland WA 99354

October 29 - 30, 2024

Apply with the CCoE for a stipend to help with travel costs.

CySCRM Registration

Stipend Application

About the Cybersecurity Center of Excellence (CCoE)

Hosted at **Whatcom Community College** in Bellingham, WA, the CCoE serves as a state-wide hub to enable Washington state's community & technical college system to be the epicenter for cybersecurity education and connect employers with a highly skilled workforce, empowering our region to thrive securely and safely.

Photo of Syre Student Center at Whatcom Community College

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