



 [High school students work at computers in a lab.](#)

## Bringing Cybersecurity into High School Classes

Join us on *Friday, January 21, 2022*, for the first webinar of the New Year.

We'll be kicking things off with a two-part discussion on teaching cybersecurity in high school. Dr. Deanne Cranford-Wesley of North Carolina Central University, with James Rice and Jake Mihevc of Mohawk Valley Community College, will first discuss teaching cybersecurity across disciplines and the upcoming workshop covered in the next section of the newsletter.

Dr. Danny Voloch and Liza Stark of [Girls Who Code](#) will follow, to introduce a girls first educational approach and preview a new self-paced course on cybersecurity that will launch in summer 2022.

[Register now!](#)

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## Career and Technical Education Cybersecurity Workshop

The NCyTE Center, in collaboration with Mohawk Valley Community College, is hosting a 12-week [Career & Technical Education \(CTE\) Cybersecurity workshop](#) beginning on February 7, 2022.

Current high school teachers with a background in computer repair, programming, or related fields are invited to apply for enrollment. The workshop introduces cybersecurity subject material and presents best pedagogy practices consistent with the NSA CAE-CD program.

Teachers will receive hands-on training using Raspberry Pis and mBots in the classroom and will be ready to take the CompTIA Security+ exam. Mohawk Valley Community College will offer Professional Development Units to participants upon request.

**Participants will receive a stipend for travel and paid registration to the Community College Cyber (3CS) Summit in May and paid registration for the CompTIA Security+ exam (not required).**

To learn more about the workshop and apply, visit our [event page](#). You can also join us at the [NCyTE member webinar](#) on January 21<sup>st</sup> for a discussion with the instructor (see previous section).

## NCyTE - Advanced Manufacturing Cyber Threats and Mitigation



### New YouTube Video!

"[Advanced Manufacturing Cyber Threats and Mitigation Strategies](#)," the second video in a two-part series, is now on YouTube. The video introduces key concepts and then expand on cyber threats to operational technology (OT), Industrial Internet of Things (IIoT), and cloud-based control systems. Included are examples of cyber-attacks on OT (including Stuxnet) and risk mitigation strategies and controls for cybersecurity in manufacturing.

If you missed the first video in the series, catch up [here](#).

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### Underrepresentation Curriculum Project DEI Workshops

NCyTE will be attending the Underrepresentation Curriculum Project series and we encourage you to join us!

The Underrepresentation Curriculum (URC) is a free, flexible curriculum for STEM instructors to teach about injustice and change the culture of STEM. Using tools such as data analysis, hypothesis creation, and investigation, students look critically at science through the lenses of equity and inclusion. By comparing the general population to similar data describing scientists, students can explore issues of social justice in STEM.

[Register Now!](#)

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## Military Occupational Specialty (MOS) Pathways Focus Group

*January 20, from 11:00 am to 12:30 pm PST*

The NCyTE Center is recruiting faculty at universities to participate in a focus group. One of NCyTE's goals is to help military personnel transition into college programs and careers in cybersecurity by converting their training and experience into college credit. Faculty will discuss the merits of awarding credits for military service and ways in which this could be accomplished in a university.

To see an example of how military experience is being evaluated for college credit visit the [MOS pathways](#) web page. The MOS crosswalk was developed by the NCyTE Center to help community colleges and other educational institutions translate the military skills, training, and experience of veterans into course equivalencies.

This is the second of two focus groups. Please do not register if you participated in the first focus group.

Participants are eligible for a \$50 stipend.

Contact [ncyte@whatcom.edu](mailto:ncyte@whatcom.edu) if you have additional questions.

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The [National Cybersecurity Training & Education \(NCyTE\) Center](#) advances cybersecurity education in the U.S. by investing in technological innovation, resources, professional development and tools to support faculty, community colleges and the workforce pipeline of tomorrow.

**Lead Institutions:** *Whatcom Community College*, Corrinne Sande, Director/PI; *ENMU Ruidoso*, Stephen Miller; *Cal State San Bernardino*, Tony Coulson; *Embry-Riddle Aeronautical University*, Philip Craiger



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