NCYTE insights

CYAD
Cybersecurity Across Disciplines

CyAD Conference

June 12-13, 2024
Registration Required

Join us for an in-person conference at Moraine Valley Community College, located outside of Chicago, IL, to address the growing number of cyber threats happening across disciplines.

Cybersecurity subject matter experts from private and public organizations will be presenting. Workshops will focus on cybersecurity risks and mitigation strategies across disciplines and the nation's critical infrastructure.

No cybersecurity experience is needed to participate in this conference!

- [CyAD Information for Educators Outside of Cybersecurity Flyer](#)

- [CyAD Information for Cybersecurity Educators Flyer](#)

A travel stipend is available for eligible participants. To learn more visit the [CyAD Conference General Information](#) webpage.

Contact Anna Ritchey with any questions at aritchey@whatcom.edu.

[Register Now!](#)

We need the CAE Community's assistance!

NCyTE is currently engaged in two research efforts and is seeking CAE Community membership support. The first is a follow-up to our [2019 "Where Are They Now" Workforce Study: Community College Cybersecurity Alumni.](#) The 2019 report was the result of a six-month study examining the success of community colleges placing cybersecurity professionals and involved in identifying the types of jobs community college graduates found after graduation and the alignment of these jobs to the National Institute of Standards and Technology (NIST), NICE framework work roles. The updated CAE-CD research study is being conducted by Tobi West, Ph.D. from Coastline Community College. If you are a CAE-CD Point of Contact (POC) from a 2-year college, be on the look-out for a survey invitation and follow-up outreach from Dr. West.

For the second study, NCyTE has engaged the Seattle Jobs Initiative (SJI) to analyze the use of Classification of Instructional Programs (CIP) codes across cybersecurity programs. To do this, we are surveying both 2-year and 4-year CAE-designed institutions to identify all CIP codes used for cybersecurity programs.

What is a CIP Code?

The CIP code is a six-digit numerical taxonomy designed to categorize and standardize instructional programs and courses in post-secondary education in the United States. These are used by educational institutions to report program statistics, such as enrollment and graduation data, to decision-making bodies (more information [here](#)).

Why does it Matter?

Cybersecurity programs emerged from very disparate programs before there was a dedicated cybersecurity defense code and may not have updated their CIP code. If that is the case, national and state systems are not capturing all cybersecurity graduates, and we do not have a solid way of assessing whether there are enough cybersecurity grads being produced or if they are going into cybersecurity occupations.

With a better understanding of how these codes are being used, we can better reflect how many cybersecurity graduates are being produced, what skills they have, and what occupations they are entering.

Where do I find my CIP codes?

Your office of institutional research is most likely the best source of this information as it uses CIP codes in their reports to federal and state governments.

How can you help?

If you are the POC for your CAE designated institution, be on the look-out for a survey invitation and follow-up outreach from SJI. We appreciate your support and participation in the survey. If you have not received the survey or if you have any questions, you may contact the SJI research team at research@seattlejobsinit.com

Community & Technical College Faculty Development Academies

Faculty Development Academy:
CISM: Certified Information Security Manager

Virtual | May 6-10, 2024
8 am - 2 pm Pacific

A four-day workshop for **community college faculty** to expand their knowledge, earn an industry certificate, and incorporate new cybersecurity content in their curriculum.

Eligible community college faculty who successfully pass the CISM certification exam will receive a stipend toward the cost of the certification.

Instructors:

- Michael Qaissaunee, Brookdale Community College
- Kyle Jones, Sinclair Community College
- Jiri Jirik, Ivy Tech Community College

Visit the registration page to learn more.

[CISM Registration](#)

Faculty Development Academy:
Python Programming for Cybersecurity

Virtual | May 13-14
8am - 2pm Pacific

A two-day workshop for **community college faculty** creating Python scripts with hands-on training. Participants will learn how to use functions, modules, and classes. Participants will manipulate data, automate tasks, perform error handling, and store and retrieve data. The key concepts covered in the workshop include web recon, port scanning, and packet sniffing.

Topics Include:

- Basic programming techniques

- I/O

- Data processing

- File manipulation

- Program control logic

- Functions

- Modules

- Exception handling

Facilitators:

- Jason Zeller, Fort Hays State University

- Mike Masino, Madison College

Visit the registration page to learn more.

[Python Programming Registration](#)

Faculty Development Academy:
Artificial Intelligence for Cybersecurity Educators

Virtual | July 8 -12, 2024
8 am- 12 pm Pacific

A four-day workshop for **community college faculty** on how to integrate AI and AI technologies into their existing network security and information technology programs.

- Provides an essential understanding of how AI is revolutionizing the field of cybersecurity.

- Explores the current state of Artificial Intelligence and its expanding role in cybersecurity engagements.

- Covers insights into the latest advancements and challenges in the domain.

Eligible community and technical college faculty will receive a stipend upon completing the academy.

Instructor:

- Mike Qaissaunee, Professor-Engineering & Technology at Brookdale Community College.

Visit the registration page to learn more.

[AI for Cybersecurity Educators Registration]

Faculty Development Academy:
Microsoft Azure Open AI Fundamentals

Virtual | July 15 -18, 2024
8 am - 4 pm Pacific

A four-day workshop on the expansive capabilities of Microsoft Azure in the realm of artificial intelligence. Participants gain practical skills in building, training, and deploying machine learning models.

- Prepares participants for the Microsoft Certified: Microsoft Azure AI Fundamentals exams.

- Uses hands-on experience with Azure's AI tools and services.

- Covers a range of AI topics including AI workloads and considerations, and the foundational principles of machine learning on Azure

Eligible community and technical college faculty will receive a stipend upon completing the academy.

Instructors:

- Jiri Jirik, Director, Education Pathways National Center at Moraine Valley Community College

- Kyle Jones, Information Technology Chair at Sinclair Community College

Visit the registration page to learn more.

[Open AI Fundamentals Registration]

NCyTE offers a variety of professional development academies for community and technical college faculty wishing to expand their knowledge, earn an industry certification, and strengthen their ability to incorporate new cybersecurity content in their community college curriculum. For a complete list of offerings and detailed descriptions, visit the NCyTE Events calendar at [NCyTE Center - Events (wildapricot.org)](#).

Advancing Cyber Resilience:
CMMC 2.0 Workshop

July 18 & 19
8:00 am - 3:00 pm PST| Virtual

The two-day CMMC 2.0 workshop covers the updated, streamlined three-level model. Shifting most Auditing requirements to the DoD, CMMC 2.0 aligns more closely with the NIST 800-171 standards.

Who should participate?

- Cybersecurity faculty members
- IT or cybersecurity professionals in small businesses

Instructor:

Dr. John Sands has over three decades of experience in education, workforce research, and teaching. Dr. Sands brings extensive knowledge in data communications, manufacturing technologies, information technology, and cybersecurity management.

Seating is limited. Register now!

CMMC Registration

NCyTE Membership

Join as an institutional member! Gain access to curriculum resources, travel stipends for conferences, industry partners, workshop resources, NCyTE Center visibility, and a growing cybersecurity community.

Over 450 institutions representing universities, colleges, high schools, and middle schools are NCyTE members.

[Join today!]

Peer Reviewers & Mentors for CAE Research & Operations Needed

The Centers of Academic Excellence Candidates National Center (CCNC) needs peer reviewers and mentors for CAE Cyber Operations and Research.
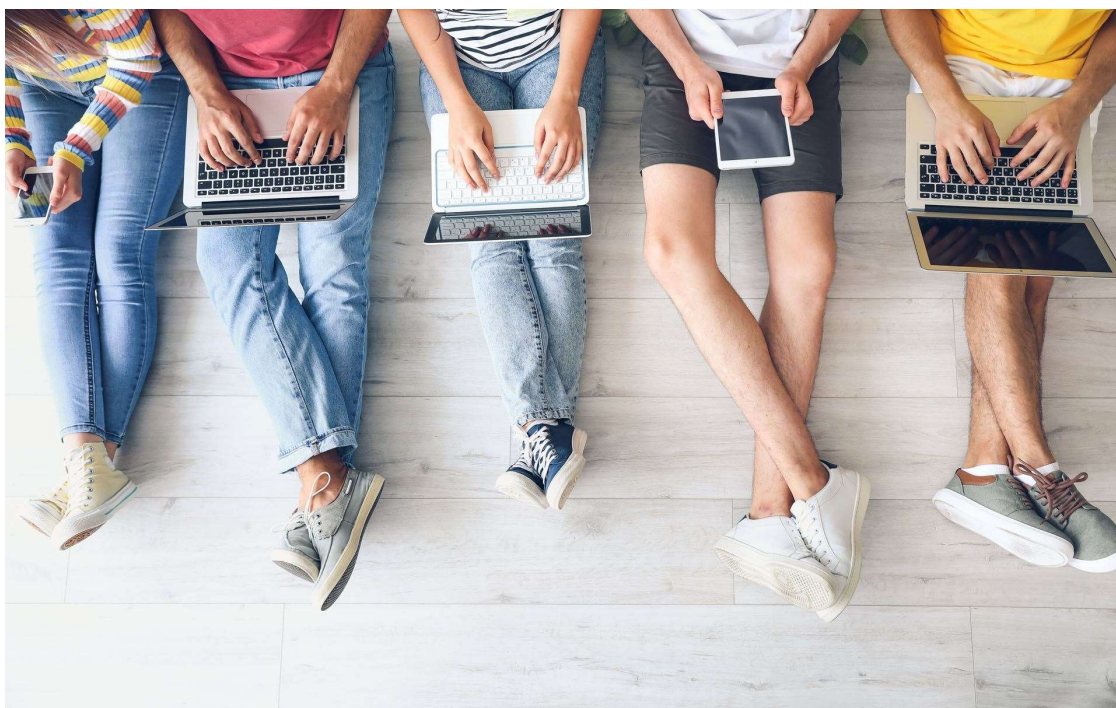
In partnership with the National Security Agency (NSA), the CCNC helps regionally accredited U.S. colleges and universities prepare high-quality applications for the National Centers of Academic Excellence in Cybersecurity designation. The CAE Candidates Program needs mentors and pre-submission reviewers to assist new applicants in earning the CAE designation. Applications are being accepted and considered.

To qualify, individuals must have significantly contributed to a CAE application resulting in the award of the designation for their institution. This work requires a strong

understanding of both the Program of Study validation and the CAE application process. Additional requirements and expectations are listed on the application web page.

A workshop for new mentors and peer reviewers is coming to Fort Lauderdale Florida in May 2024. Apply to be eligible.

Apply

NCyTE YouTube Channel

How is AI being leveraged to fortify cyber defenses, shape policies, and train the next-gen workforce?

In March, NCyTE hosted a panel of experts to discuss how AI is impacting the cybersecurity landscape. Watch the recording on NCyTE's YouTube channel. Visit the NCyTE Monthly Membership Meeting Info webpage for the complete description and resources shared at the meeting.

Visit the NCyTE YouTube Channel

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.

Whatcom
COMMUNITY COLLEGE

NCyTE Center is located at: Whatcom Community College, 237 W. Kellogg Road, Bellingham, WA, 98225
Tel: (360) 383-3175 | Email: ncyte@whatcom.edu

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