

January 2025

# NCyTE insights



## Happy New Year!

It's a New Year and NCyTE has a new look to its online website presence as we head into 2025. We have been and continue to make changes and enhancements to the website in

both appearance and functionality. We hope you find the changes of value and welcome your feedback as we continue to improve NCyTE's access and expansion of resources.

NCyTE is also updating its business/industry membership application and expanding its membership options to include new individual memberships for employees working in Academia, Government and Business/Industry. These will be available soon! Be on the lookout for communication from us about how to either update your organization's current membership or join us as a new member!

NCyTE membership is more than just joining an organization; you are connecting to an entire ecosystem and community of organizations and individuals dedicated to advancing and diversifying the cybersecurity workforce across the nation.

As a member, you'll have an opportunity to contribute to the development of a strong cybersecurity workforce, as well as have access to a wealth of resources that can help you advance your own professional and educational goals.

Join us and together we will develop individuals to secure the nation!

NCyTE Team

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### **Upcoming NCyTE Monthly Meetings**



### **Virtual Cybersecurity Career Challenge**

January 17 | 9 am PST | Virtual

**Do you have students looking for real-world experience working in cybersecurity?**

Join us at the January Monthly Meeting!

The Virtual Cybersecurity Career Challenge is designed to give your students a real-world experience they can add to their resume and highlight to potential employers. The presenters will cover the learning objectives, application process, and eligibility requirements for the upcoming challenge starting in February. Visit the Virtual Cybersecurity Career Challenge [webpage](#) for more information.

Presenters

Vincent Nestler  
California State University - San Bernadino  
[vnestler@csusb.edu](mailto:vnestler@csusb.edu)

Andrew Stone  
Suffolk County Community College  
[stonea@sunysuffolk.edu](mailto:stonea@sunysuffolk.edu)

Dustin Bessette  
Mt. Hood Community College  
[dustin.bessette@mhcc.edu](mailto:dustin.bessette@mhcc.edu)

[Register Now!](#)

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**Cloud Computing Security and AI**

February 21 | 9 - 10 am PST | VIRTUAL

**Join us at the February Monthly Meeting!**

What are the AI risks in cloud computing? What standards and risk mitigation has Cloud Security Alliance (CSA) developed and implemented for cloud services within CSA and industry? What other CSA AI/Cybersecurity resources are available to academia and students?

Jim Reavis, Co-founder & CEO, Cloud Security Alliance (CSA), will join us to answer some of the most perplexing questions at the intersection of AI and cloud computing.

Learn more about Jim at [Reavis, Jim | Directory | NCyTE Center](#).

[Register Now!](#)



### **Choose Teaching as Your Cybersecurity Career Path**

#### **The National Community College Cybersecurity Fellowship Program Gets You There – Application Deadline January 31, 2025!**

Come and explore the possibility of becoming a teacher in the community college space. Teachers, please consider hosting one of these fellows in a teaching assignment.

Cybersecurity instructors are in demand across the nation! To address this need, the National Cybersecurity Training and Education Center's (NCyTE's) National Community College Cybersecurity Fellowship Program introduces participants for a career path teaching cybersecurity in a community college setting.

Two options are available:

1. **Final-Year Students and Recent Graduates:** Open to college/university students in their final year of or recently graduated (within a year) from a bachelor's or master's degree program in cybersecurity or STEM fields.
2. **Industry Professionals and Former Military:** Open to industry professionals and former military with cybersecurity experience. Must also have completed or in final year of a bachelor's/master's in cybersecurity or STEM.

**The fellowship program includes several workshops designed to:**

- Kickstart your journey into the dynamic world of cybersecurity education
- Instill you with fundamental knowledge and skills to be an effective community college cybersecurity educator
- Understand classroom management, learning pedagogy, curriculum development, and cultivation of student workforce skills
- Use cybersecurity fundamentals or advanced technologies to create lesson plans, instructional materials, assessments and rubrics, and lab activities

Some workshop days are virtual; some are in-person at Moraine Valley Community College. Stipends are available to help with the cost of attendance.

Upon successful completion of all workshops, participants will be placed at a community college for a teaching assignment where they will perform 60 hours of service, lead at least one lesson, and provide the required deliverables as per a student teaching assignment agreement.

Fellows will be looking for placement for their teaching assignment in summer and fall 2025. If you are a cybersecurity instructor willing to host a fellow at your community or technical college, please fill out the form on either information page (links below).

For more information, application requirements, and submission details, please visit the following NCyTE webpages:

**Final-Year Students and Recent Graduates:**

<https://www.ncyte.net/career-seekers/career-seeker-resources/fellowship-program>

**Industry Professionals and Former Military:**

<https://www.ncyte.net/industry/industry-resources/faculty-fellowship-program>

Downloadable flyers to share:

[Fellowship Program Collegiate Cohort.pdf](#)

[Fellowship Program Military Industry Cohort.pdf](#)



Cybersecurity Across Disciplines

**June 24-25, 2025**

**Save the Date – Registration Opens Soon!**

The in-person conference brings together community college faculty from various disciplines to address the growing demand for cybersecurity education across disciplines. A key objective of the conference is to raise cybersecurity awareness across disciplines about cyber risks, academic resources to address these risks, and to build community.

No previous cybersecurity experience is needed to attend and a travel stipend is available for eligible participants.

Visit our CyAD [webpage](#) for more information or to sign up to be notified when registration opens.

Please share this event with your colleagues across all disciplines. We have a flyer available to download.

[Save The Date Flyer](#)



## CyAD CALL FOR PROPOSALS

**DUE March 2, 2025**

We are looking for proposals that address the unique cybersecurity challenges faced by different industry sectors. We encourage proposals that address the need for cybersecurity awareness and skills across the [CISA Critical Infrastructure sectors](#) and provide real-world examples of digital security integration across fields such as healthcare, manufacturing, automotive technology, and more. Proposals should involve collaboration between academic and industry partners within a specific discipline or from connecting or overlapping disciplines.

### **Presentation Format:**

- **Session Presentations (45 minutes):** Share insights, strategies, and practical applications that inform and engage the audience, with time for Q&A.
- **Panel Presentation (45 minutes):** Join with 2-4 speakers to explore a topic from multiple perspectives, followed by a moderated discussion and audience Q&A
- **Interactive workshops (1.75 hours):** Lead interactive, hands-on sessions that encourage deep engagement, with time for Q&A.

For complete proposal requirements and submission guidelines, please visit our [Call for Proposals webpage](#).

We are excited to have the opportunity to review your submission.

[Submit Your Proposal](#)

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# Alumni Workforce Study

Graduated with a degree in cybersecurity or technology from a Center of Academic Excellence in Cyber Defense (CAE-CD)?

Support the community by participating in this national cybersecurity workforce study!

<https://www.research.net/r/NCyTE2024>

**AS**  
Associate  
Level

**MS**  
Master's  
Level

**BS**  
Bachelor's  
Level

**PhD**  
Doctorate  
Level

**NCyTE  
CENTER**  
National Cybersecurity Training & Education Center  
NSF Award #2054724



SCAN TO PARTICIPATE

## Alumni Survey - Cybersecurity Employment Outcomes Study Update

### Attention Cybersecurity Alumni!

Your input is needed for [NCyTE Center's](https://www.research.net/r/NCyTE2024) National Cybersecurity Workforce Study. We are seeking survey responses from all CAE-CD programs, including associate degree, bachelor's, master's, & doctorate level.

The study has the potential to significantly impact the continuous improvement of our CAE-CD programs and the success of our students. By understanding the level of impact between program experiences and career outcomes, we can tailor our efforts to provide

an education that not only meets but exceeds the expectations and needs of our students and the cybersecurity workforce at large.

[Survey](#)



**Resolve to get published!**

JATE is seeking scholarly articles and manuscripts from educators, especially from our NCyTE ecosystem of community and technical college partners.

**Topics that are covered:**

- Articles and short communication on many topics relevant to teaching and learning advanced technologies at all levels, including innovative pedagogical methods and related education research.
- Articles that demonstrate new educational activities, lab experiments, instructional methods and pedagogies that can be adopted in community college curriculum especially in technician training programs.
- Provide a resource for articles and related information as a resource to those in the field of advanced technological education, and to those institutes who serve them.

**Publishing formats:** JATE is published both online and in hardcopy editions.

**Publication frequency:** JATE has a rolling publication date for all reviewed/edited/revise and approved for publication manuscripts. The JATE hardcopy edition is available twice a year in July and October.

**Peer Review model:** JATE uses a single-blind peer-reviewed model. Reviewers do not know the names of the authors involved to avoid any potential conflicts of interest.

**Digital archive:** All previous articles can be found on the JATE website:

<http://atejournal.org>

**Submissions:** J ATE is currently using the Scholastica tool for intake and review of submissions. Create your Scholastica account or login at <https://app.scholasticahq.com/login> to make your submission today!

**Next submission deadline:** January 31, 2025

The J ATE Editorial Review Board look forward to receiving your scholarly works!

### About J ATE

The [Journal of Advanced Technological Education \(J ATE\)](#), launched in July 2021, is a peer-reviewed technical journal produced by the ATE community. J ATE is a platform for educators who are interested in teaching advanced technologies and technician education. This includes 2-year community college faculty, undergraduate researchers, STEM educators in grades K-12, university faculty, as well as industry personnel.

[Learn More!](#)



**Become an NCyTE Member!**

Over 450 member institutions and growing.

[Become an NCyTE Member Today!](#)



### **NCyTE YouTube Channel**

View recordings from NCyTE's past monthly meetings!

- December - Sticker Heist Toolkit for Instructors
- November - Cybersecurity Career Awareness and Exploration
- October - Teach Cyber Today! Clark Center Resources
- September - User Privacy
- August - Cyber Security Evaluation Tool (CSET)
- July - Build a Cybersecurity Clinic: Enhance Community Cybersecurity and Train Cyber Leaders
- June - Bias Busters: Promoting Diversity in Cyber & Technology
- May - Integrating Zero-Trust Principles into IIoT Architectures for Enhanced Security
- April - Doubleheader: RAMPS NOFO & NICE Framework Revision
- March - AI's Impact on Cybersecurity Instruction & Work Roles

- February - AI Trainer Toolkit
- January - Virtual Cybersecurity Career Challenge

[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.



**NCyTE Center is located at:** Whatcom Community College, 237 W. Kellogg Road, Bellingham, WA, 98225  
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NCyTE Center is funded by the National Science Foundation by Grant #2054724.

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