

NICE | Conference and Expo 2022

JUNE 6 - 8, 2022 | WESTIN PEACHTREE PLAZA | ATLANTA, GA

DEMYSTIFYING CYBERSECURITY

Integrated Approaches to
Developing Career Pathways



FLORIDA
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NEW
AMERICA

WELCOME TO #NICECYBERCON22!

We are looking forward to “Demystifying Cybersecurity” together with you over the next few days and learning more about community efforts to create “Integrated Approaches to Developing Career Pathways.” The annual NICE Conference & Expo is an opportunity for our community to come together to share effective practices and solutions to advance our shared vision to “prepare, grow, and sustain a cybersecurity workforce that safeguards and promotes America’s national security and economic prosperity.”

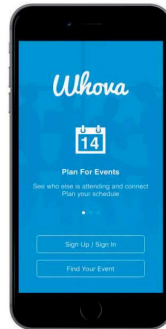
The first goal in the NICE Strategic Plan is to “Promote Discovery of Cybersecurity Careers and Multiple Pathways.” The conference theme this year will help us better articulate the variety of types of careers available in cybersecurity, ranging from those that discover and develop technology products and solutions to those that will protect and defend them. Additionally, the pathway to a career in cybersecurity is equally varied and diverse with options that include entry into cybersecurity after education and training or as part of an apprenticeship or reskilling program. Most importantly, as a community, we must continue to work together to create an integrated ecosystem of cybersecurity education, training, and workforce development.

Please take advantage of the NICE Conference to network, learn, and contribute to our collective mission!

Sincerely,
Rodney Petersen
Director, National Initiative for Cybersecurity Education

DOWNLOAD THE OFFICIAL EVENT APP!

- Explore the professional profiles of event speakers and attendees
- Send in-app messages and exchange contact info
- Network and find attendees with common affiliations, education, shared networks, and social profiles
- Receive update notifications from organizers



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Event Invitation Code
NICE2022ATL

REGISTRATION CHECK-IN HOURS



The registration desk is located on the Peachtree Level (8th floor).

MONDAY

- Workshop Registration: 12 - 1 p.m.
- Conference Registration: 2 - 5 p.m.

TUESDAY

- Conference Registration: 7 a.m. - 4 p.m.

WEDNESDAY

- Conference Registration: 7 a.m. - 12 p.m.

COMPLIMENTARY WIFI



NETWORK: Westin Conference

PASSWORD: NICE22



TABLE OF

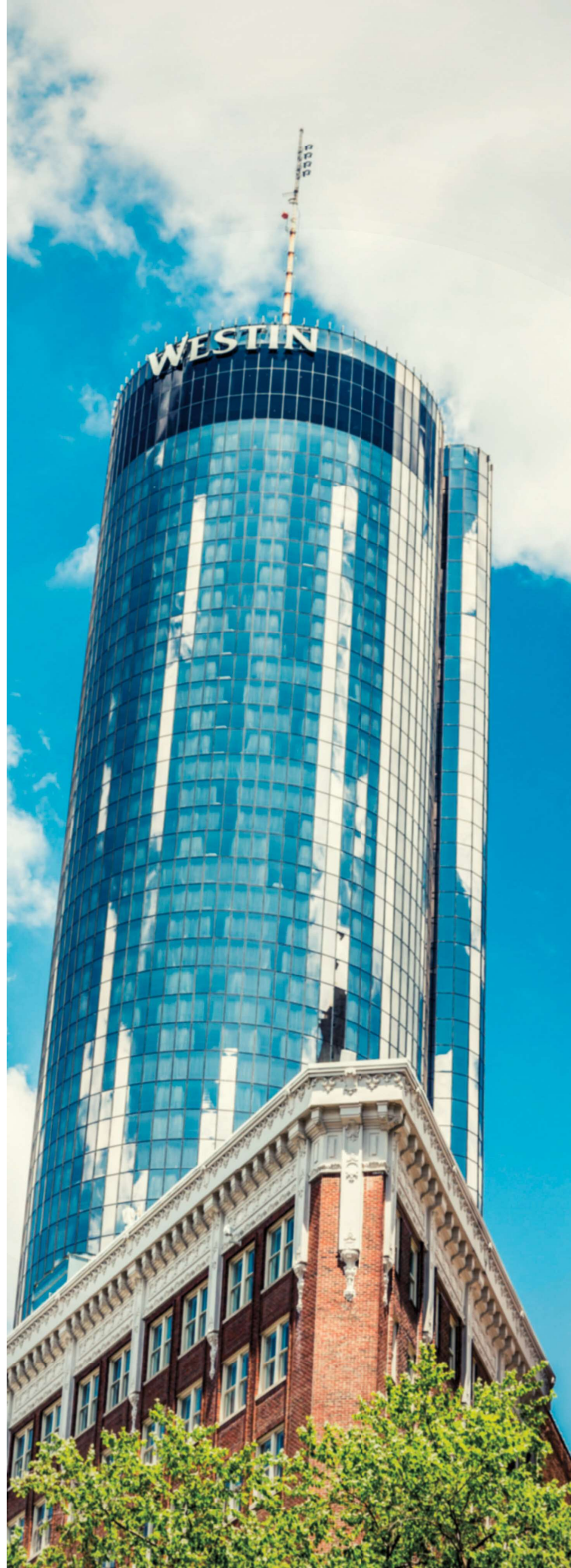
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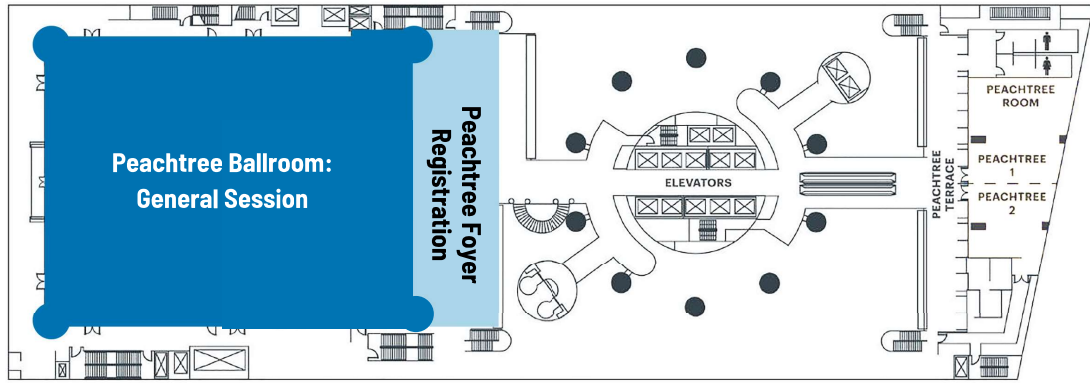
20 Committee Members

21 Program Ads

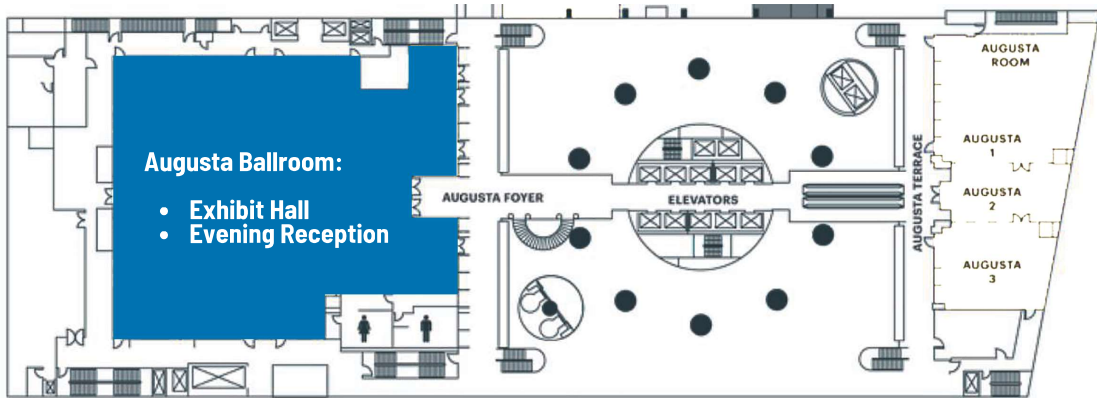


CONFERENCE MAP

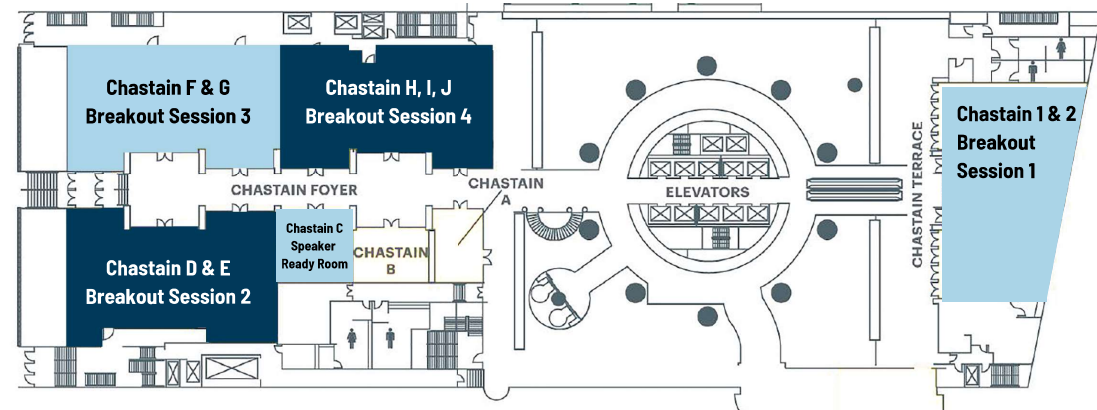
Peachtree Level (8th floor)



Augusta Level (7th floor)



Chastain Level (6th floor)



EXHIBITOR LIST

COMPANY/ORGANIZATION	BOOTH
ACI Learning	22
Capitol Technology University	27
Coastline College	24
CompTIA	10
Comtech	18
Corellium	14
Critical Infrastructure Resiliency Institute, University of Illinois	16
CYAI	23
Cyberbit	8
DHS CISA National Initiative for Cybersecurity Careers and Studies (NICCS)	28
EC-Council	26
Florida International University (FIU)	2
Georgia Cyber Center	6
Jones & Bartlett Learning	29
Middle Georgia State University	21
NCyTE Center @ Whatcom Community College	17
NICE Challenge Project @ CSUSB	13
NIST	4
Offensive Security	7
Pocket Prep	15
Purdue University	12

COMPANY/ORGANIZATION	BOOTH
Red Hat	20
SANS	7
ThriveDX	9
Trend Micro	5
Western Governors University (WGU)	1
WiCyS	22

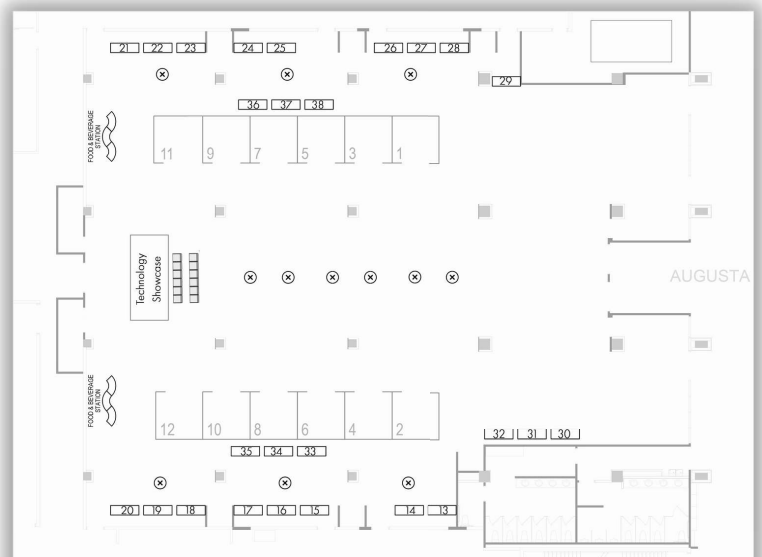


Exhibit Hours

TUESDAY

- 10:00 a.m. - 6:00 p.m.

WEDNESDAY

- 10:00 a.m. - 4:00 p.m.

FEATURED SPEAKERS



Paul Bingham

VP & Dean of College of Information Technology, Western Governors University



Jon Brickey

Senior Vice President Cybersecurity Evangelist, Mastercard



Brian Correia

Director of Business Development, SANS



Austin Cusak

Cyber Defense Education and Training, Cybersecurity and Infrastructure Security Agency (CISA)



Lien Diaz

Director, Educational Innovation and Leadership, Constellations Center for Equity in Computing, Georgia Tech



Renee DiResta

Research Manager, Stanford Internet Observatory, Stanford University



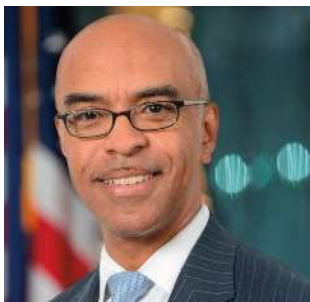
Brian Fonseca

Director, Jack D. Gordon Institute for Public Policy, Florida International University



Robert Grillo

Vice President and CIO, Florida International University



Roy Hadley Jr

Special Counsel and HBCU Team Leader, Adams and Reese LLP



Lonnie Harris

Vice President of Privacy Engineering, Equifax



Willie Henderson

Cyber Education Specialist, CYBER.ORG



Raquel Hill

Chair of the Computer and Information Sciences Department, Spelman College



Zachary Hodges

VP & Chief Operating Officer,
Cyber Security Solutions Inc.



Kenneth A. Jessell

Interim President,
Florida International University



Jennifer B. Kutz

Cybersecurity Portfolio/Program Manager,
Victoria's Secret & Co



Mark R. Lupo

Business Education/Resilience Specialist,
University of Georgia SBDC



Debbie McLeod

President and Director of Apprentice
Program, McLeod Information Systems



Marian Merritt

Deputy Director, National Initiative for
Cybersecurity Education, NIST in the U.S.
Department of Commerce



**Sethuraman
Panchanathan**

15th Director, U.S. National Science
Foundation (NSF)



Bridgett Paradise

Chief People and Culture Officer,
Tenable



Randy Pestana

Director of Education and Training,
Cybersecurity@FIU, Florida International
University



Rodney Petersen

Director, National Initiative for
Cybersecurity Education (NICE), NIST



Mike Prebil

Policy Analyst, Center on Education &
Labor, New America



Safa Shahwan Edwards

Deputy Director, Cyber Statecraft
Initiative, Scowcroft Center for Strategy
and Security, Atlantic Council



Roy Zur

CEO, ThriveDX SaaS & Founder of Cybint
Solutions



**CONFERENCE
AGENDA**

Monday, June 6

Time	Description	Location
12:00 - 1:00 p.m.	Registration Opens	
1:00 - 2:45 p.m.	<p>Best Practices for Enhancing Diversity and Inclusion in Cybersecurity</p> <ul style="list-style-type: none"> Eman El-Sheikh, University of West Florida Raquel Hill, Spelman College Tobi West, Coastline College Randy Pestana, Florida International University <p>Using NICE Framework Competencies to Build a Better Cybersecurity Workforce</p> <ul style="list-style-type: none"> Susana Barraza, NICE at NIST Karen Wetzel, NICE at NIST Zoe Fowler, Norwich University Tony Bryan, CyberUp Vincent Nestler, CSUSB Jeff Welgan, CyberVista Brad Wolfenden, US Cyber Games Erin Weiss Kaya, Booz Allen Hamilton Katie Boudreau, Mastercard <p>The Impact of Automation, Artificial Intelligence, Machine Learning, and Other Emerging Technologies on the Cybersecurity Workforce</p> <ul style="list-style-type: none"> Austin Cusak, CISA Jason Hite, Xcelerate Solutions Roozbeh Aliabadi, ReadyAI Kristi Rice, 2021 Presidential Cybersecurity High School Teacher Athit Kao, Raytheon Blackbird Technologies, Inc. <p>How to Build an A-Team in Cybersecurity</p> <ul style="list-style-type: none"> Brian Correia, SANS Kevin Garvey, SANS Michael Edie, Department of Defense Stephynie Velez, Nobilis Darlene Hardie, Booz Allen Hamilton 	<p>Chastain 1 and 2 <i>Sixth Floor</i></p> <p>Chastain D and E <i>Sixth Floor</i></p> <p>Chastain F and G <i>Sixth Floor</i></p> <p>Chastain H, I and J <i>Sixth Floor</i></p>
2:45 - 3:15 p.m.	Networking Break	
3:15 - 5:00 p.m.	<p>Best Practices for Enhancing Diversity and Inclusion in Cybersecurity (Continued)</p> <p>Using NICE Framework Competencies to Build a Better Cybersecurity Workforce (Continued)</p> <p>The Impact of Automation, Artificial Intelligence, Machine Learning, and Other Emerging Technologies on the Cybersecurity Workforce (Continued)</p> <p>How to Build an A-Team in Cybersecurity (Continued)</p>	<p>Chastain 1 and 2 <i>Sixth Floor</i></p> <p>Chastain D and E <i>Sixth Floor</i></p> <p>Chastain F and G <i>Sixth Floor</i></p> <p>Chastain H, I and J <i>Sixth Floor</i></p>

Tuesday, June 7

Time	Description	Location
7:00 - 8:00 a.m.	Registration and Networking Breakfast	Peachtree Ballroom Eighth Floor
8:00 - 8:15 a.m.	Conference Welcome <ul style="list-style-type: none"> Brian Fonseca, Florida International University Kenneth A. Jessell, Florida International University 	Peachtree Ballroom Eighth Floor
8:15 - 8:30 a.m.	NICE Conference Welcome <ul style="list-style-type: none"> Rodney Petersen, National Initiative for Cybersecurity Education 	Peachtree Ballroom Eighth Floor
8:30 - 8:45 a.m.	NICE Community Coordinating Council: Working Together to Create an Integrated Ecosystem <ul style="list-style-type: none"> Jon Brickey, Mastercard Bridgett Paradise, Tenable 	Peachtree Ballroom Eighth Floor
8:45 - 9:45 a.m.	Sector Based Approaches to Cybersecurity Education, Training, and Workforce Development <ul style="list-style-type: none"> Robert Grillo, Florida International University Jennifer Kutz, Victoria's Secret & Co. Lonnie Harris, Equifax <i>Moderator:</i> Marian Merritt, National Initiative for Cybersecurity Education at NIST in the U.S. Department of Commerce 	Peachtree Ballroom Eighth Floor
9:45 - 10:00 a.m.	Conference Overview <ul style="list-style-type: none"> Raquel Hill, Spelman College Austin Cusak, Cybersecurity and Infrastructure Security Agency Brian Correia, SANS 	Peachtree Ballroom Eighth Floor
10:00 - 10:30 a.m.	Exhibit Hall Break	Augusta Ballroom Seventh Floor
10:30 - 11:15 a.m.	Building and Sustaining a Statewide Cybersecurity Education and Workforce Development Ecosystem <ul style="list-style-type: none"> Rebecca Michael, University of Cincinnati Ryan Moore, University of Cincinnati 	Chastain 1 and 2 Sixth Floor
	The Cybersecurity Education Diversity Initiative <ul style="list-style-type: none"> Thaier Hayajneh, Fordham University Amelia Estwick, Fordham University 	Chastain D and E Sixth Floor
	Innovation Pilot of HBCU Apprenticeship Cohorts <ul style="list-style-type: none"> Girish Seshagiri, Apprenticeship Implementation Solutions, Inc. Nikunja Swain, South Carolina State University Diana Elliott, Urban Institute 	Chastain F and G Sixth Floor

Tuesday, June 7

Time	Description	Location
10:30 - 11:15 a.m. (cont.)	Talent Mobility: An Essential Defense Against the Great Reshuffling <ul style="list-style-type: none"> Joseph Thompson, Booz Allen Hamilton Eman El-Sheikh, University of West Florida Stephanie Keith, Office of Information and Technology (VA) Mark Smith, Booz Allen Hamilton 	Chastain H, I and J Sixth Floor
11:15 - 11:30 a.m.	Break	
11:30 a.m. - 12:15 p.m.	Breaking Bread: A Recipe for Standing Up an Entry-Level Cyber Talent Program <ul style="list-style-type: none"> Clarence Williams, Department of Veterans Affairs Sarah Scholl, Booz Allen Hamilton Sharon McPherson, VA Cyber Workforce Management 	Chastain 1 and 2 Sixth Floor
	A Holistic Approach to Developing the Next Generation of Diverse Cybersecurity Professionals with Multi-Organizational Partnerships <ul style="list-style-type: none"> Maxwell Shuftan, SANS Institute Caitlin Boyce, Dragos, Inc. 	Chastain D and E Sixth Floor
	IT and Cybersecurity Degree Apprenticeship Cohorts at HBCUs <ul style="list-style-type: none"> Katie Adams, Safal Partners Laura Jones, Prairie View A&M University Debbie McLeod, McLeod Information Systems 	Chastain F and G Sixth Floor
	Going for the Gold! Insights and Lessons Learned from Coaching the First-ever US Cyber Games Team <ul style="list-style-type: none"> TJ O'Connor, Florida Tech Dane Brown, U.S. Naval Academy Dr. Suzanna Schmeelk, St. John's University 	Chastain H, I and J Sixth Floor
12:15 - 12:45 p.m.	Lunch	Peachtree Ballroom Eighth Floor
12:45 - 1:00 p.m.	Thrive DX Presentation <ul style="list-style-type: none"> Roy Zur, ThriveDX SaaS 	Peachtree Ballroom Eighth Floor
1:00 - 1:15 p.m.	Western Governors University Presentation <ul style="list-style-type: none"> Paul Bingham, Western Governors University 	Peachtree Ballroom Eighth Floor
1:15 - 1:30 p.m.	Break	

Tuesday, June 7

Time	Description	Location
1:30 - 2:15 p.m.	Birds of a Feather: K-12 Cybersecurity Education <ul style="list-style-type: none"> Thomas Trevethan, Palo Alto Networks Cybersecurity Academy 	Chastain 1 and 2 <i>Sixth Floor</i>
	Birds of a Feather: NICE Framework Users <ul style="list-style-type: none"> Karen Wetzel, National Initiative for Cybersecurity Education at NIST in the U.S. Department of Commerce 	Chastain D and E <i>Sixth Floor</i>
	Birds of a Feather: Apprenticeships in Cybersecurity <ul style="list-style-type: none"> Tony Bryan, CyberUp 	Chastain F and G <i>Sixth Floor</i>
	Birds of a Feather: Cybersecurity Skills Competition <ul style="list-style-type: none"> Dr. Davina Pruitt-Mentle, National Initiative for Cybersecurity Education 	Chastain H, I and J <i>Sixth Floor</i>
2:15 - 3:00 p.m.	Exhibit Hall Break	Augusta Ballroom <i>Seventh Floor</i>
2:15 - 3:00 p.m.	Tech Showcase - Fixing the Gap(s) in the Cyber Workforce <ul style="list-style-type: none"> Brian Correia, SANS Megan Branch, CertNexus Jon Brandt, ISACA Jeremy Rabson, SANS 	Augusta Ballroom <i>Seventh Floor</i>
3:00 - 3:45 p.m.	Investigating Disparities in K-12 Cybersecurity Education: Case Study and Approaches <ul style="list-style-type: none"> Johanna Jacob, University of Texas at San Antonio Gregory White, University of Texas at San Antonio 	Chastain 1 and 2 <i>Sixth Floor</i>
	Defining Diversity in Cybersecurity within the Spectrum of Career Categories <ul style="list-style-type: none"> Amanda Joyce, Argonne National Laboratory Nate Evans, Argonne National Laboratory Kenneth Kass, kenkass.com 	Chastain D and E <i>Sixth Floor</i>
	CASCADE Apprenticeship Programs and Cyber Career Map <ul style="list-style-type: none"> Jo Marie Diamond, San Diego East County Economic Development Teana Fredeen, synED Judy Steingass, Journeysmap 	Chastain F and G <i>Sixth Floor</i>

Tuesday, June 7

Time	Description	Location
3:00 - 3:45 p.m. (cont.)	Emerging Tech Cybersecurity Myth Smackdown: Perspectives from the Field <ul style="list-style-type: none">James Stanger, CompTIA	Chastain H, I and J <i>Sixth Floor</i>
3:45 - 4:00 p.m.	Break	
4:00 - 5:00 p.m.	Information Operations are a Cybersecurity Problem: Toward a New Strategic Paradigm to Combat Disinformation <ul style="list-style-type: none">Renee DiResta, Stanford Internet Observatory	Peachtree Ballroom <i>Eighth Floor</i>
5:00 - 6:00 p.m.	Evening Reception	Augusta Ballroom <i>Seventh Floor</i>

Wednesday, June 8

Time	Description	Location
7:00 - 8:00 a.m.	Registration and Networking Breakfast	Peachtree Ballroom <i>Eighth Floor</i>
8:00 - 9:00 a.m.	Innovative Approaches to Cybersecurity Education and Workforce Development <ul style="list-style-type: none"> • Safa Shahwan Edwards, Atlantic Council • Willie Henderson, Cyber.org • Lien Diaz, Georgia Tech • Michael Prebil, New America 	Peachtree Ballroom <i>Eighth Floor</i>
9:00 - 10:00 a.m.	CAE Designation Ceremony <ul style="list-style-type: none"> • Lynne Clark, National Centers of Academic Excellence in Cybersecurity (NCAE-C) Program Office 	Peachtree Ballroom <i>Eighth Floor</i>
10:00 - 10:15 a.m.	Break	
10:15 - 11:00 a.m.	The Impact and Role of Academia in Government's Cybersecurity Strategies <ul style="list-style-type: none"> • Rita Doerr, NSA 	Chastain 1 and 2 <i>Sixth Floor</i>
	Accelerating to Victory! Leveling the Playfield in Information Security through an Accelerated Training Program <ul style="list-style-type: none"> • Jasmine M. Jackson, The Walt Disney Studios • Bryson Payne, University of North Georgia 	Chastain D and E <i>Sixth Floor</i>
	Using the Apprenticeship Model to Develop Cyber Talent <ul style="list-style-type: none"> • Carolyn Renick, US Department of Labor • Jarrod D. Benjamin, Florida International University 	Chastain F and G <i>Sixth Floor</i>
	Signature Pedagogy in Cybersecurity: An Emerging Perspective <ul style="list-style-type: none"> • Ashley Gess, Augusta University • Michael Nowatkowski, Augusta University 	Chastain H, I and J <i>Sixth Floor</i>
11:00 - 11:30 a.m.	Exhibit Hall Break	Augusta Ballroom <i>Seventh Floor</i>
11:00 - 11:30 a.m.	Tech Showcase: What Does CyberSeek Data Tell Us About the Challenge and Opportunity Ahead? <ul style="list-style-type: none"> • Rodney Petersen, National Initiative for Cybersecurity Education at NIST in the U.S. Department of Commerce • James Stanger, CompTIA 	Augusta Ballroom <i>Seventh Floor</i>

Wednesday, June 8

Time	Description	Location
11:30 a.m. - 12:15 p.m.	Youth-to-Retirement Approach to Build a Cybersecurity Workforce <ul style="list-style-type: none"> Lynne Clark, National Centers of Academic Excellence in Cybersecurity (NCAE-C) Program Office 	Chastain 1 and 2 Sixth Floor
	A Diverse Cyber Academy for Diverse People <ul style="list-style-type: none"> Adam Bricker, Montreat College Jeannie Ross, Director of Workforce Development, Workforce Innovation Hub 	Chastain D and E Sixth Floor
	From the Classroom to the Cyber Ops Center: Collegiate Workforce Development through Hands-on Application <ul style="list-style-type: none"> Stephanie Travis, Virginia Tech 	Chastain F and G Sixth Floor
	Attracting Tomorrow's Cybersecurity Talent Today <ul style="list-style-type: none"> Tambre Paster, Lockheed Martin Aeronautics 	Chastain H, I and J Sixth Floor
12:15 - 12:45 p.m.	Lunch	Peachtree Ballroom Eighth Floor
12:45 - 1:30 p.m.	Addressing the Cybersecurity Workforce Needs of Small and Medium-Sized Businesses <ul style="list-style-type: none"> Debbie McLeod, McLeod Information Systems, Zachary Hodges, Cyber Security Solutions Inc. Mark Lupo, University of Georgia SBDC Roy Hadley Jr., Adams and Reese LLP 	Peachtree Ballroom Eighth Floor
1:30 - 1:45 p.m.	Break	
1:45 - 2:30 p.m.	Networking Break: Promote Career Discovery <ul style="list-style-type: none"> Roland Varriale II, Argonne National Laboratory 	Chastain D and E Sixth Floor
	Networking Break: Modernize Talent Management <ul style="list-style-type: none"> Lynsey Caldwell, Leidos Dr. Melissa Woo, Michigan State University 	Chastain F and G Sixth Floor
	Networking Break: Transform Learning Process <ul style="list-style-type: none"> Mike Morris, Western Governors University 	Chastain H, I and J Sixth Floor
2:30 - 2:45 p.m.	Break	

Wednesday, June 8

Time	Description	Location
2:45 - 3:30 p.m.	Designing a Sustainable Workforce Development Model through Customizable Upskilling and Reskilling Pathways <ul style="list-style-type: none"> Eman El-Sheikh, University of West Florida Tirthankar Ghosh, University of West Florida Guillermo Francia III, University of West Florida 	Chastain 1 and 2 <i>Sixth Floor</i>
	The Role of Cybersecurity Leaders as Educators: Unconventional Approaches to Cybersecurity Talent Development and the Scarcity of Skill <ul style="list-style-type: none"> Jeff Welgan, CyberVista 	Chastain D and E <i>Sixth Floor</i>
	Cyber4Work: Growing the Cyber Workforce in Mississippi <ul style="list-style-type: none"> Sarah Lee, University of Southern Mississippi 	Chastain F and G <i>Sixth Floor</i>
	Integrating Emergency Management Principles into Cybersecurity Education <ul style="list-style-type: none"> Markus Rauschecker, University of Maryland Ben Yelin, University of Maryland Netta Squires, University of Maryland 	Chastain H, I and J <i>Sixth Floor</i>
3:30 - 4:00 p.m.	Exhibit Hall Break	Augusta Ballroom <i>Seventh Floor</i>
4:00 - 5:00 p.m.	Closing Session with Sethuraman Panchanathan, 15th Director of the U.S. National Science Foundation	Peachtree Ballroom <i>Eighth Floor</i>

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	Tobi West Coastline Community College	Brian Correia SANS	Susana Barraza National Initiative for Cybersecurity Education at NIST in the U.S. Department of Commerce
	Ashley Podhradsky Dakota State University	Jordana Siegel Amazon Web Services	Matt Isnor US Department of Defense
	Zena Pouncey Georgia School District	Jason Hite XCELERATE Solutions	Kerry-Ann Barrett Organization of American States
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FLORIDA INTERNATIONAL UNIVERSITY

CYBERSECURITY@FIU

Securing the world's digital technology arena

Cybersecurity@FIU focuses on digital defense and protection issues that impact the global cyber landscape and examines complex human and social questions related to privacy policies and trust.

Taking a multi-faceted approach, the university combines technical cybersecurity strength in areas such as cyberphysical systems, the Internet of Things, and cloud computing and storage with complementary expertise in international and public affairs, business, and law.

These competencies together establish a comprehensive foundation for the continued advancement of research, education, workforce development, and international capacity-building activities. Collaborative efforts that draw upon a wide variety of disciplines contribute to the kind of innovative, integrated exploration needed to both move forward and secure the world's rapidly evolving digital technology arena.

Core Pillars

1. Cybersecurity Foundations
2. Workforce Development
3. International Capacity Building
4. Smart Cities and Living
5. Cyber Forensics
6. Infrastructure Security

CYBERSECURITY@FIU PROGRAMS

UNDERGRADUATE

- B.S. in Internet of Things
- B.S. in Information Technology
- B.S. in Crime Science
- B.A. in Computer Science
- B.S. in Computer Science
 - Software Design and Development Track
- B.S. in Cybersecurity

CERTIFICATES & FELLOWSHIPS

- Cybersecurity Intelligence and Information Policy Certificate
- Critical Technologies and Intelligence Fellows
- Cyber Fellows

GRADUATE

- M.S. in Cybersecurity
- M.S. in Information Systems
- M.S. in Computer Science: Network Security
- M.S. in Data Science
- M.S. in Information Technology
- M.A. in Global Affairs
 - Globalization and Security Track
 - Cybersecurity and Technology Policy Track
- Ph.D. in Computer Engineering
- Ph.D. in Electrical Engineering

PROFESSIONAL AND EXECUTIVE EDUCATION

- Cybersecurity Leadership and Strategy
- Cyber Threat Intelligence and Analysis
- Forensics Intelligence and Governance Program
- Artificial Intelligence and Governance



ENGAGE with NICE



**Energizing
promoting, and
coordinating a
robust community**

Working together to advance an integrated ecosystem of cybersecurity education, training, and workforce development



Access Resources

NICE Workforce Framework for Cybersecurity

(NICE Framework)

Tools, translations, example uses & applications

Cybersecurity Careers

Videos, infographics, workforce demand data

Online Learning Content

Educational materials including courses, curriculum & games

AND MUCH MORE!

Get Involved with the Community

NICE Community Coordinating Council

- **Working Groups:** Modernize Talent Management, Promote Career Discovery, Transform Learning Process
- **Communities of Interest:** Apprenticeships in Cybersecurity, Cybersecurity Skills Competitions, K12 Cybersecurity Education, NICE Framework Users Group

Interagency Coordinating Council

Planning Committees

Learn More with NICE Events

- NICE Webinars (monthly)
- Cybersecurity Career Awareness Week (Oct 17-22)
- NICE K12 Cybersecurity Education Conference (Dec 5-7) St. Louis, MO
- Federal Cybersecurity Workforce Summit and Webinar Series (Jul 26)
- Federal Information Security Educators (FISSEA) (quarterly)
- Annual NICE Conference & Expo



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A *YOUTH-FOCUSED* TALENT SOLUTION

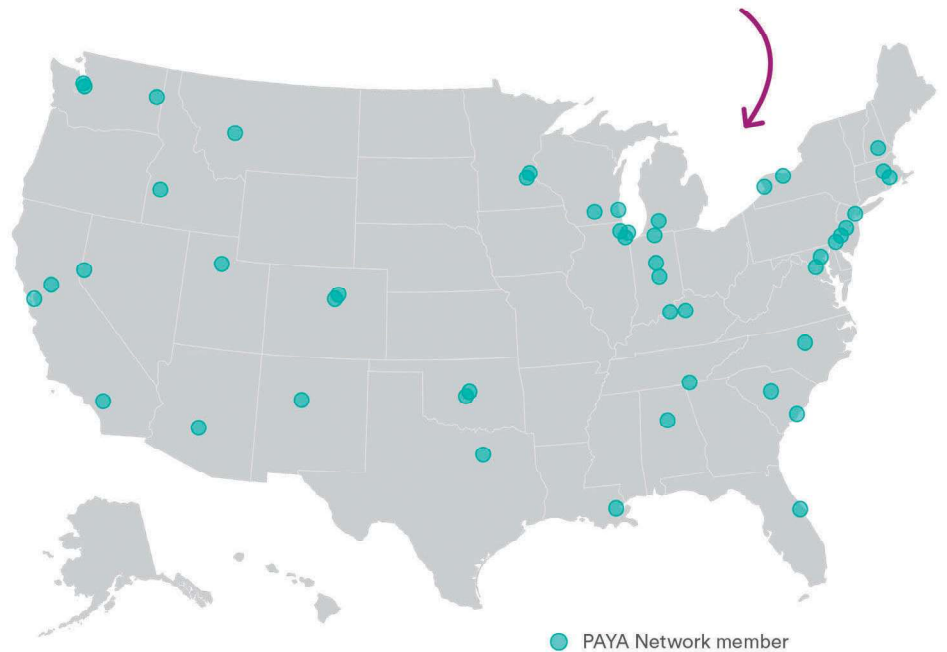
FOR TECH & CYBERSECURITY EMPLOYERS



Since 2018, NICE Conference co-hosts New America have led the Partnership to Advance Youth Apprenticeship (PAYA), a national network of over 50 state and local partnerships focused on creating affordable, equitable, work-based learning pathways that connect high school students to good jobs and college degrees. For the past two years, surveys of PAYA Network members have found that **IT and cybersecurity are the number one occupational field of interest for partnerships across the Network.**

Youth apprenticeships provide paid training built on rigorous standards; they help businesses and public agencies improve their learning culture; and they help organizations build a younger, more diverse workforce. But successful programs need engaged employers to start up and grow.

Your organization can be part of the youth apprenticeship movement!



INTERESTED IN YOUTH APPRENTICESHIP? LET US KNOW!

Each dot on the map above represents a **PAYA Network member** that currently offers IT or cybersecurity youth apprenticeship programs, or which is seeking employer partners to launch a new program. If you are interested in learning more about youth apprenticeship, or in connecting with a partnership in your community, email us at paya@newamerica.org!

You can also browse our youth apprenticeship resources at newamerica.org/paya.


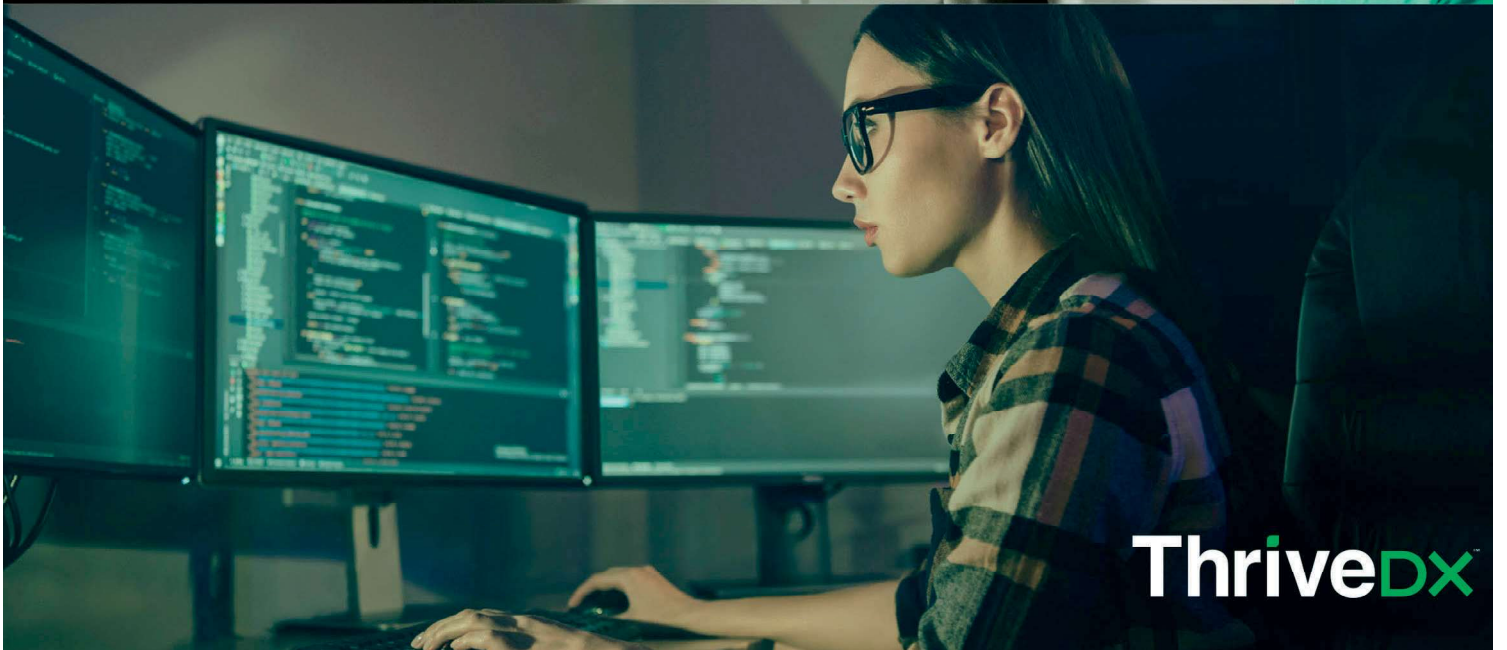


.....

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ThriveDX partners with top-tier academic institutions and corporations worldwide to offer advanced, professional development programs in cyber and digital technology. By providing equity in access to the most in demand cyber and digital skills, we lead the market in increasing the digital talent pipeline across the globe.

Find out more about our programs and how we upskill and reskill the workforce of the future at thrivedx.com

A woman with dark hair is looking to the side with a slight smile. She is wearing a green top.

ThriveDX

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If earning a bachelor's or master's in cybersecurity is your goal, WGU can help you succeed. WGU is an online, nonprofit university that makes high quality education more accessible. Earn an accredited cybersecurity degree that includes valuable industry certifications at no extra cost.

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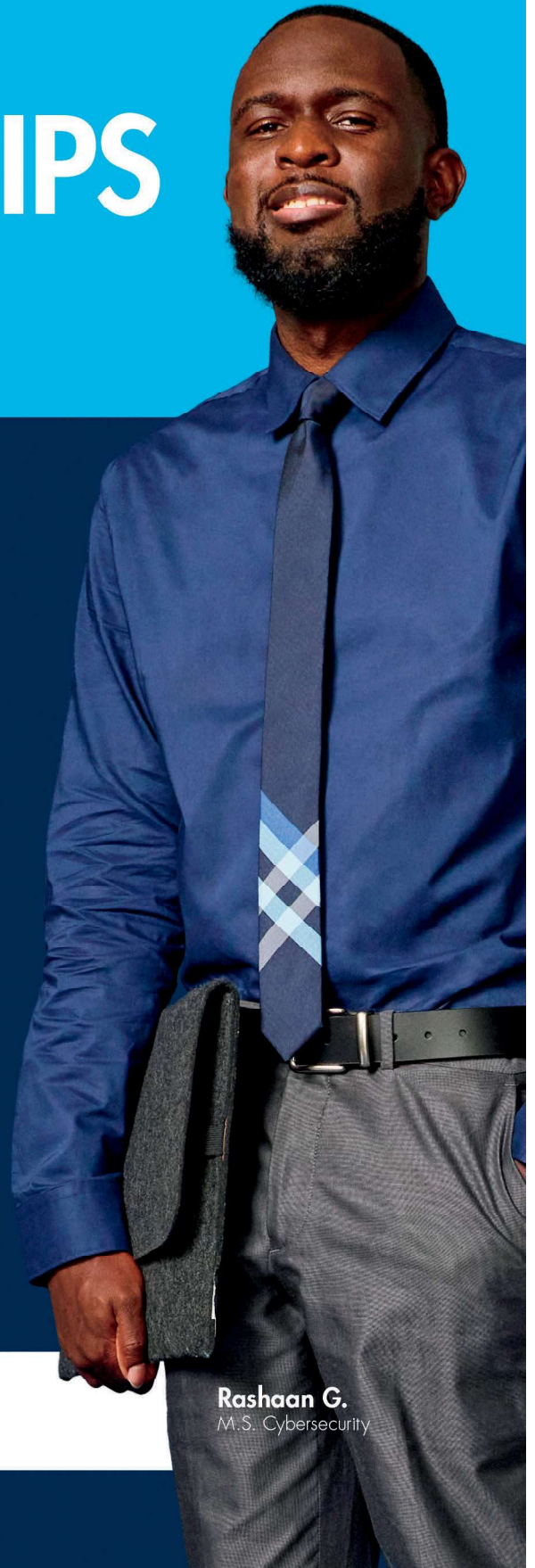


Scan to learn more about the scholarship.



wgu.edu/cybersecurity
866.225.5948

Rashaan G.
M.S. Cybersecurity





Making the World Safe for Exchanging Digital Information

Trend Micro, a global cybersecurity leader, helps make the world safe for exchanging digital information. Fueled by decades of security expertise, global threat research, and continuous innovation, our unified cybersecurity platform protects over 500,000 organizations and millions of individuals across clouds, endpoints, email, devices, and networks.

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Trend Micro Initiative for Education (TMIE) includes all of our community outreach efforts working to provide digital safety education and user awareness.

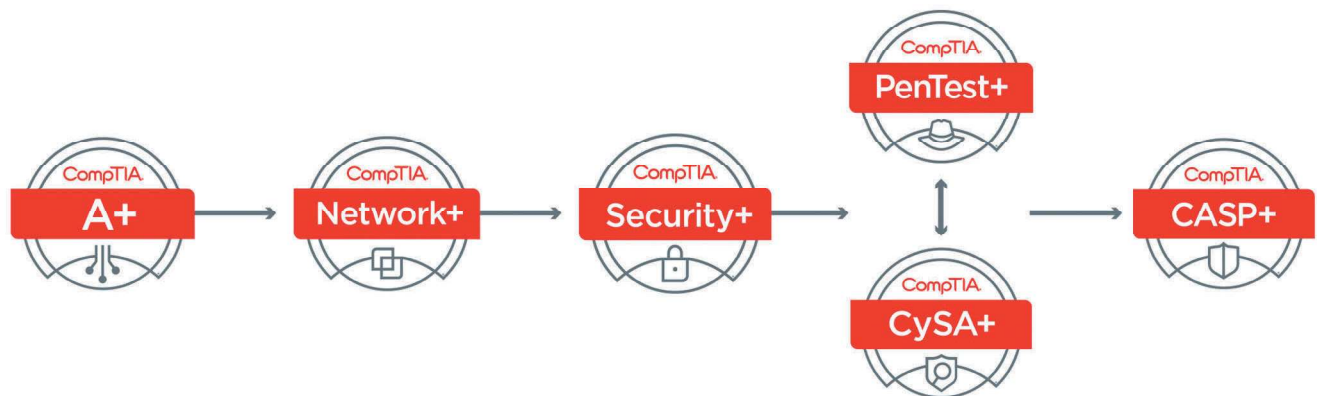
www.trendmicro.com/TMIE





CompTIA Cybersecurity Pathway

There are almost 750,000* unfilled U.S. cyber jobs and that number is predicted to grow substantially for years to come. CompTIA's Cybersecurity Pathway sequences the certifications your students need to qualify for many open cyber jobs.

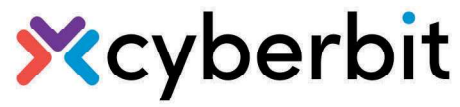


CompTIA provides academic institutions a complete suite of intelligent solutions to prepare students for success in today's digital economy. Our complimentary Academic Partner Program offers academy pricing for superlative cybersecurity content, labs, exam prep and globally recognized IT certifications. Let's work together to launch students in sustainable cybersecurity career pathways.

Learn more; visit us at our booth #10.

[Certification.CompTIA.org](https://www.Certification.CompTIA.org)

*Emsi Burning Glass, 4/21-3/22



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Cyberbit is the world's leading hyper-realistic cyber range and skill development platform.

We enable higher education institutions, states and enterprises to prepare next-generation cyber defenders, equipped with the skills they need today, to handle the threats of tomorrow.

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A background image showing a group of people in a professional setting, likely a conference booth. In the foreground, a man with glasses and a beard is looking at a computer monitor displaying code. To his left, a woman is looking at a tablet. In the background, other people are visible, some looking at laptops. The image has a blue tint and is partially obscured by a large white 'X' graphic on the right side.

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Red Hat Academy and workforce development partners with academic institutions around the world to provide the next generation of IT talent with free access to a range of Red Hat's training courses and certification exams.

76%

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90%

Of Fortune 500 use Red Hat products and solutions[1]

93%

Percentage of hiring managers who report difficulty finding sufficient talent with open source skills[3]



Learn
more

[1] Red Hat client data and Fortune 500 list, June 2021

[2] IDC White Paper, sponsored by Red Hat. "The Business Value of Red Hat Training." Doc#US46999720, Dec. 2020

[3] The Linux Foundation. "2020 Open Source Jobs Report," Oct. 2020



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DEVELOPMENT**

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TESTING**

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Digital talent cloud infrastructure

Discovery | Development | Retention



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Blockchain-enabled Blended Academic and Applied Learning



Digital Wallet

A repository for helping translate education to skills and careers



Skills Marketplace

Infrastructure to enable the Learning Employment Record



Enterprise

Taxonomies and mapping to understand skills and gaps



See the building blocks of the learning economy in action in the cybersecurity segment at cybersecurityworkforcealliance.com



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Metro State University's cybersecurity programs are award-winning, accelerated, and affordable.

With nationally recognized undergraduate and graduate programs in computer science and cybersecurity, Metro State University is known for its hands-on opportunities to gain in-demand professional skills. Most classes can be taken online, in-person, or in a hybrid fashion.

Metro State's cyber security programs are supported by MN Cyber, a statewide public-private partnership that provides oversight and pathways to employment.

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Veterans and First Responders Training Initiative

REIGNITE YOUR PASSION FOR SERVICE THROUGH CYBERSECURITY



SCAN ABOVE TO LEARN MORE ABOUT VTI



About the Veterans and First Responders Training Initiative

This program will work to recruit, prepare, and place transitioning military personnel, veterans, and first responders into cybersecurity work roles protecting our nation's Critical Infrastructure Sectors.

Cybersecurity Programs Available

- Foundations of Cybersecurity
- Fundamentals of Digital Forensics
- Networking Forensics and Incident Response Program
- Cyber Threat Intelligence Fellowship Program
- Cyber Threat Intelligence and Analysis Bootcamp
- Forensics Intelligence and Governance Bootcamp



Career Opportunities in Cybersecurity



597,767
Jobs in the U.S.



30,298
Jobs in Florida



Threat/Warning Analyst
\$73,851/yr
Median Salary



Cyber Defense Forensics Analyst
\$95,014/yr
Median Salary

Types of Cybersecurity Programs

BOOTCAMPS

- Made for Professionals
- Length: One week
- Aligns with NICE workroles: Threat/Warning Analyst and Cyber Defense Forensics Analyst

SELF-PACED COURSES

- Made for Professionals
- Length: One month
- Aligns with NICE workroles: Threat/Warning Analyst and Cyber Defense Forensics Analyst

FELLOWSHIP

- Made for Students
- Length: One Year
- 18 credit course, mentorship, personal development, and research



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NICE | Conference
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The Westin Seattle
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