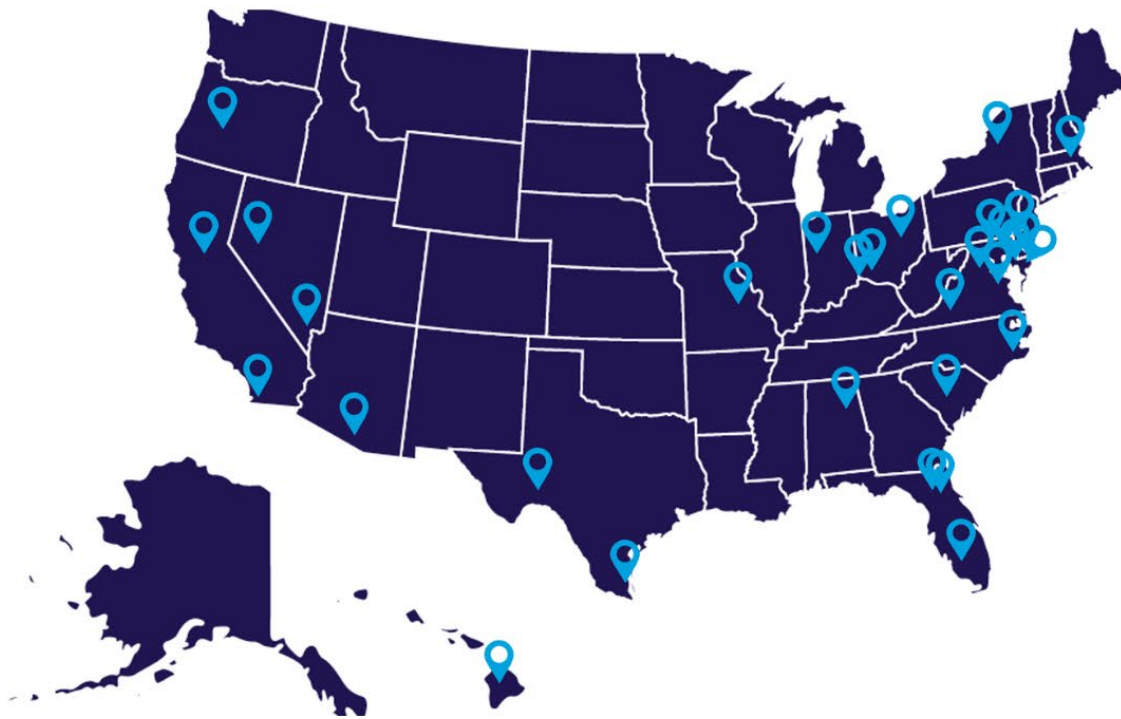


RAMPS Communities



The RAMPS Program seeks to bring together employers and educators to focus on developing the skilled workforce to meet employer needs within a local or regional economy.

www.nist.gov/nice

Amped Technology Workforce Training

Led by Adventurous Minds Produce Extraordinary Dreams, Inc

Impact Area: Louisville, KY

Website: <https://ampedlouisville.org/>

Understanding the shortage of cybersecurity professionals in the US, Amped's niche in IT training lies in our ability to help an untapped employee base begin their certification journey. We provide paid training for low-income individuals that leads to entry-level IT certifications. We then facilitate job placement and provide concierge connections to continuing education at the community college and university level.

RAMPS Cybersecurity Education and Workforce Development

Led by the Del Mar College District

Impact Area: Corpus Christi, TX

Website: <https://www.delmar.edu/cyber-center/>

The Corpus Christi Coastal Bend region proposes a cybersecurity workforce development program leveraging existing partnerships among educational institutions, government, and businesses. Key partners include Del Mar College and Texas A&M University-Corpus Christi, focusing on education, workforce development, and internships. Initiatives include cybersecurity clinics for businesses, industry internships, employee upskilling, and entrepreneurship training. The program aims to strengthen small business resilience to cyber threats and foster a local cybersecurity talent pipeline, supporting regional and state workforce needs.

Central Maryland Cyber Regional Alliance

Led by Howard Community College

Impact Area: Columbia, MD

Website: <https://www.howardcc.edu/>

Howard Community College (HCC) aims to address Maryland's cybersecurity workforce gap by expanding its successful apprenticeship program with AT&T to more employers and establishing a cyber clinic. The clinic will provide students with real-world experience while supporting local non-profits and small businesses. HCC's initiatives focus on bridging the skill gap, enhancing diversity, and leveraging partnerships with local organizations to build a robust cybersecurity talent pipeline.

Multidisciplinary Pathways to Cybersecurity Professionals

Led by Miami University

Impact Area: Oxford, Ohio

Website: <https://miamioh.edu/>

Miami University proposes the "Multidisciplinary Pathways to Cybersecurity Professionals" project to empower the future cybersecurity workforce by expanding multidisciplinary pathways, forming strong education and training industry partnerships to cultivate an integrated cybersecurity ecosystem. The project builds partnership among four local employers, two National Centers of Academic Excellence in Cybersecurity designated institutions, and three

K-12 schools to establish a regional alliance for cybersecurity education, workforce development and economic growth. The primary focus is on developing multidisciplinary educational pathways and facilitating continuous professional development.

Cyber Illinois RAMPS

Led by Moraine Valley Community College

Impact Area: Palos Hills, IL

Website: <https://www.morainevalley.edu/>

The primary goal of the proposed Cyber Illinois RAMPS project is to develop and enhance cybersecurity education programs and create clear career pathways that are responsive to the workforce needs of the state. This community-driven network will serve as a focal point for analyzing regional cybersecurity workforce demands, ensuring that educational programs are not only aligned with industry standards but also integrated seamlessly from secondary to post-secondary levels. This regional initiative is aimed at cultivating a robust cybersecurity ecosystem within Illinois.

Digital Skills and Workforce Innovation Program (Learners Program)

Led by Metropolitan Washington Council of Governments

Impact Area: Loudoun County, VA and Washington, DC

Website: <https://www.mwcog.org/>

The Metropolitan Washington Council of Governments, in coordination with the Loudoun County Department of Information Technology, sponsors an experiential learning opportunity for aspiring local technologists seeking their first entry-level roles and struggling to meet employer experience requirements. Via the NIST NICE grant, this program is adding cybersecurity training, mentoring, real cybersecurity project work and certification, providing the qualifications and experience participants need to acquire their first role in the field.

Development of Hands-On Labs for Cybersecurity Training of Critical Infrastructure of Employees

Led by New York University

Impact Area: New York, NY

Website: <https://www.nyu.edu/>

New York University (NYU) and the Metropolitan Transportation Authority (MTA) will partner to create a certificate program in Operational Technology (OT) Security for MTA employees. Completed by approximately 100 participants, the program features a preparatory phase with four technical modules (Programming, Linux, Networks, and Information Security) and eight advanced modules focused on OT Security. Delivered entirely online through prerecorded videos, the program incorporates automated assessments, creative projects, peer reviews, and four live webinars.

The 3D Cybersecurity Pipeline: Bridging High Schools, Higher Education, and Industry

Led by Old Dominion University Research Foundation

Impact Area: Central and Tidewater Regions of Virginia

Website: <https://www.odu.edu/odu-research-foundation>

The Virginia Space Grant Consortium (VSGC) and partners, including Virginia Peninsula Community College, Brightpoint Community College, Old Dominion University's COVA CCI,

connects secondary education, higher education, and industry to build a cybersecurity workforce pipeline. By integrating NIST best practices and fostering regional partnerships, the project aligns internships, education, and industry to build a robust pathway from school to career in cybersecurity.

Create a RAMPS Cybersecurity Education and Workforce Development Ecosystem in the Northwest Indiana Region and Beyond

Led by Purdue University

Impact Area: Northwest Indiana region

Website: <https://www.pnw.edu/>

Purdue University Northwest (PNW), a National Center of Academic Excellence in Cyberspace Defense, is building a RAMPS cybersecurity education and workforce ecosystem in Northwest Indiana. Partnering with Ivy Tech Community College, K-12 schools, PMMI, and industry leaders, PNW leverages its NSF CyberCorps and DoD scholarship programs. The initiative targets the advanced manufacturing sector, a regional economic driver, by providing tailored cybersecurity training and fostering pathways from K-12 to higher education and industry careers.

Growing Cyber Talent in the Bronx

Led by the Research Foundation of CUNY on behalf of Lehman College

Impact Area: Bronx, NY

Website: <https://www.lehman.edu/orsp/index.php>

The Growing Cyber Talent in the Bronx program will expand the pool of cybersecurity talent in the Bronx. The initiative will provide internships for students to work with small businesses but contribute to the cybersecurity workforce and pipeline. Additionally, the program will bring cybersecurity awareness and practice training for non-technical and technical for academic credit.

The Quantum Cybersecurity Workforce Development Hub in the New York City & Westchester County Region

Led by The Coding School

Impact Area: New York, NY and Westchester County, NY

Website: <https://the-cs.org/>

The Coding School (TCS), a leading nonprofit providing education and workforce development in emerging technologies, is spearheading a regional ecosystem of stakeholders committed to recruiting and training what will inevitably be the next generation of cybersecurity workers: innovators and experts in quantum cryptography. Based in New York City and Westchester County, this initiative offers undergraduate students a four-week virtual program and seven-week employer-mentored internships in quantum cybersecurity.

Southeastern Cyber Workforce Alliance (SECWA)

Led by The Escal Institute of Advanced Technologies, Inc.

Impact Area: Southeastern region of the U.S.

Website: <https://www.sans.org/>

Led by the SANS Institute, SECWA is a program that will stimulate cybersecurity workforce development by engaging students and career changers to discover untapped talent. SECWA will grow jobs in cybersecurity for the Southeastern United States. SECWA will include three stages:

- Outreach & Admissions
- Cybersecurity Foundations training and GFACT certification
- Undergraduate certificate scholarships from SANS.edu

Residents of the following states will be eligible: Virginia, West Virginia, North Carolina, South Carolina, Georgia, Alabama, Mississippi, Florida, Louisiana, Arkansas, and Tennessee, plus the District of Columbia.

Placer Cybersecurity Talent Pipeline Collaborative

Led by The Sierra College Foundation

Impact Area: Placer County, CA

Website: <https://www.sierracollege.edu/>

The Placer Cybersecurity Talent Pipeline Collaborative in Placer County, California, links employers and educators to develop a skilled cybersecurity workforce. Led by the Roseville Area Chamber of Commerce and Sierra College, it uses a six-strategy framework to address skill shortages and partner with educational institutions. The RAMPS initiative will enhance outreach to expand Dual Enrollment cybersecurity courses in regional high schools, connecting students to education and job opportunities in the field.

VETS-Cyber: Veterans Career Advancement

Led by the University of Florida

Impact Area: Gainesville, FL and Georgia

Website: <https://www.ufl.edu/>

VETS-CYBER endeavors to establish a robust regional partnership encompassing the University of Florida, Veterans Florida, and local and regional industries across North Florida, South Georgia, and other Southeastern areas, focusing specifically on the realms of cybersecurity and hardware security. By cultivating a pipeline of skilled veterans through experiential learning and internship opportunities, the alliance aims to address industry demand while empowering veterans to secure sustainable careers in cybersecurity and hardware security.

Modernizing Talent Management in Virginia, Maryland, and D.C. (MTM VMD): Co-creating A Route to Cybersecurity

Led by Virginia Polytechnic Institute & State University

Impact Area: Virginia, Maryland, and DC regions

Website: <https://www.vt.edu/>

The Modernizing Talent Management in Virginia, Maryland, and D.C. (MTM VMD) initiative bridges talent with cybersecurity employers through skills-based hiring. It offers externships, internships, and job opportunities at various education levels while aligning candidates with the NICE Workforce Framework for Cybersecurity (NICE Framework). The program features an accessible Reverse Job Fair, where employers learn best practices, assess candidates through

simulated cyber crisis events, and make matches based on skills. This multistakeholder partnership fosters pathways into cybersecurity careers.