A GLOBAL CALL TO ARMS: THE WORLDWIDE CYBERSECURITY SKILLS SHORTAGE

The ISACA 2015-16 Chapter Roadshow
R. “Montana” Williams, CWDP
Senior Mgr., Cybersecurity Practices & Cyber Evangelist

Globally Recognized Cyber Expert

Background:
• Former commander Cyber Red Team—USAF
• Architect cyber training & exercise integration—USAF
• Chief, Cybersecurity Education & Awareness—DHS
  • Architect of National Cybersecurity Workforce Framework
  • Developed & Launched the NICCS Portal
• Senior Advisor/Lead, National Initiative for Cybersecurity Education (NICE)—White House
• Presenter, Author, Blogger—Cybersecurity SME
• Nation’s only Certified Workforce Development Professional—Specializing in Cybersecurity
Enterprises are under siege from a rising volume of cyberattacks.

At the same time, the global demand for skilled professionals sharply outpaces supply. Unless this gap is closed, organizations will continue to face major risk. Comprehensive educational and networking resources are required to meet the needs of everyone from entry-level practitioners to seasoned professionals.
The National Cybersecurity Workforce Framework

- 7 Categories and 32 Specialty Areas
- Baselines knowledge, skills, and abilities & tasks
- Support for strategic workforce development
FIRST: CREATE A PLAN...START HERE

1. Go to **niccs.us-cert.gov**
2. Download user guide
3. Download and use communications toolkit
EXECUTE THE PLAN—CSX

cybersecurity.isaca.org
The research is clear. Cybersecurity has evolved from an IT function into a public safety issue.

82% of enterprises expect to experience a cyber incident in 2015.

More than 35% are unable to fill open cybersecurity positions.

69% say certification is required for cybersecurity jobs.

Only 33% say qualified candidates have hands-on experience.

46% say technical skills are needed.

There is a cybersecurity skills crisis: 1 million unfilled jobs. (Cisco)
**OUR SOLUTION**

**CSX Is Providing a Single Source for Cybersecurity Professionals:** Our holistic program will be the first and only “one stop shop” providing a complete solution and covering the full career lifecycle.

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CSX training and certifications offered for skill levels and specialties throughout a professional’s career.

https://cybersecurity.isaca.org/csx-certifications
**CSX Practitioner**—Demonstrates ability to serve as a first responder to a cybersecurity incident following established procedures and defined processes. (1 certification, 3 training courses; prerequisite for CSX Specialist)

**CSX Specialist**—Demonstrates effective skills and deep knowledge in one or more of the five areas based closely on the NIST Cybersecurity Framework: Identify, Detect, Protect, Respond and Recover. (5 certifications, 5 training courses; requires CSX Practitioner)

**CSX Expert**—Demonstrates ability of a master/expert-level cybersecurity professional who can identify, analyze, respond to, and mitigate complex cybersecurity incidents. (1 certification, 1 training course; no prerequisites required)

**Certified Information Security Manager certification** (26,000+ professionals certified since inception; named the second-highest-paying certification by Global Knowledge’s 2015 IT Skills and Salary Survey; 5+ years experience required)
cybersecurity.isaca.org

Contact: csx@isaca.org