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## **Cybersecurity Nexus (CSX) Fact Sheet**

<https://cybersecurity.isaca.org>

The impact and sophistication of cyber security threats have created a global demand for talent that is outpacing the supply. To help fill the growing cyber security skills gap, ISACA created Cybersecurity Nexus ([CSX](#)) to provide cyber security guidance, training credentials and career development for professionals at every stage of their careers, and to help enterprises develop their cyber workforce.

CSX represents ISACA's commitment to help address the global need for skilled cyber security professionals. According to the ISACA State of Cyber Security 2017 report, it takes the majority of enterprises three months or longer to fill open cyber security positions, and only 13% of organizations receive 20 or more applicants for open cyber security positions. Reports indicate a global shortage of two million security professionals worldwide.

CSX is an innovative, holistic resource for cyber security solutions, including:

### **Cyber Security Training and Education**

The majority of respondents in a recent ISACA survey said they believe traditional cyber security training options leave staff only moderately to not-at-all prepared for today's cyber threats. In April 2017, ISACA changed how cyber security training is delivered by launching the [Cybersecurity Nexus \(CSX\) Training Platform](#). The on-demand, performance-based training and assessment tool, conducted in live environments using real-world threat scenarios, is the first of its kind. The platform offers learners an easily accessible, constantly updated education environment that gives administrators clear insights into employee performance so organizations can ensure that they hire and retain the best talent on the front lines of cyber security defenses.

ISACA's [CSX 2017 North America](#), [CSX 2017 Europe](#) and [CSX 2017 Asia Pacific](#) events bring together cyber security leaders for educational sessions and networking providing step-by-step solutions tailored to cyber security professionals at every level of their careers.

Additionally, ISACA offers [cyber security education](#) through the Cybersecurity Fundamentals Online Course and local chapter workshops, [training weeks](#), [webinars](#) and [virtual conferences](#).

## Cyber Security Credentials

Through CSX, ISACA offers [credentialing](#) for cyber security professionals at every level of their careers:

### **Cybersecurity Fundamentals Certificate**

This knowledge-based certificate is designed for recent college/university graduates and those looking for a career change to cyber security, as it enables them to demonstrate an understanding of cyber security basics. The certificate is aligned with the National Institute of Standards and Technology (NIST) National Initiative for Cybersecurity Education (NICE), which is compatible with global cyber security issues, activities and job roles. The certificate is also aligned with the Skills Framework for the Information Age (SFIA).

The [Cybersecurity Fundamentals Certificate](#) online exam tests for foundational knowledge in cyber security across five key areas:

- Cyber security concepts
- Cyber security architecture principles
- Cyber security of networks, systems, applications and data
- Incident response
- Security of evolving technology

### **CSX Practitioner (CSXP)**

The first performance-based cyber security certification, [CSX Practitioner](#) enables candidates to demonstrate the ability to be a first responder to cyber incidents, following established procedures and defined processes. CSXP indicates firewall, patching and anti-virus experience, as well as the ability to implement common security controls and perform vulnerability scans and analysis. To meet continuing professional education requirements, CSXPs must demonstrate skills in a lab or other skills-based environment on an annual basis and retest every three years at the highest level of CSX certification they have achieved. Self-paced exams and registration for the exam and training courses are available now.

CSXP was named *SC Magazine's* 2016 "Best Professional Certification Program" in the Professional Awards category.

### **Certified Information Security Manager**

Certified Information Security Manager® ([CISM®](#)) is a management-level credential for those who manage, design, oversee and assess an enterprise's information security program.

## Cyber Security Research and Guidance

Through CSX, ISACA has issued practical guidance for [implementing the US Cybersecurity Framework](#) and the [European Union cybersecurity strategy](#), how enterprises can [defend against emerging cyber threats](#) and addressing many other relevant topics for cyber security practitioners and their enterprises.

The [CSX Threat Watch](#) is updated daily to help organizations stay up to date with the latest cybersecurity challenges.

## Cyber Security Collaborations

Collaborations with European Union Agency for Network and Information Security (ENISA), NIST and other organizations are underway.