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Cybersecurity Nexus (CSX) Fact Sheet

<https://cybersecurity.isaca.org>

The impact and sophistication of cybersecurity challenges and attacks have created a global demand for talent that is outpacing the supply. To help fill the growing cybersecurity skills gap, ISACA created Cybersecurity Nexus (CSX) to provide cybersecurity guidance, career development, education and community for professionals at every stage of their careers, and to help enterprises develop their cyber workforce.

CSX represents ISACA's solid commitment to help address the global need for skilled cybersecurity professionals. In a recent ISACA survey, 94 percent of respondents who are hiring cyber professionals in 2016 reported that it will be difficult to find skilled candidates. Identifying who has adequate skills and knowledge will also be difficult, say more than six in 10 survey participants. Reports indicate a global shortage of two million security professionals worldwide.

CSX is an innovative resource for cybersecurity solutions, including:

Cybersecurity Credentials

Through CSX, ISACA offers [credentialing](#) for cybersecurity 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 cybersecurity, as it enables them to demonstrate an understanding of the basics of cyber. The certificate is aligned with the National Institute of Standards and Technology (NIST) National Initiative for Cybersecurity Education (NICE), which is compatible with global cybersecurity 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 cybersecurity across five key areas:

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

CSX Practitioner (CSXP)

The first performance-based cybersecurity 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 won *SC Magazine's* 2016 "Best Professional Certification Program" in the Professional Awards category. CSXP credential-holders earned a median 12 percent of base salary in pay premiums in the third quarter of 2016, according to the Foote Partners, LLC, 2016 IT Skills and Certifications Pay Index.

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.

Cybersecurity Research and Guidance

Through CSX, ISACA has issued practical guidance for [implementing the US Cybersecurity Framework](#) and the [European Union cybersecurity strategy](#), and responding to advanced persistent threats (APTs). More publications are in progress.

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

Cybersecurity Training and Education

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

Additionally, ISACA offers [cybersecurity education](#) through the Cybersecurity Fundamentals Online Course and local chapter workshops, [Training Weeks](#), [webinars](#) and [virtual conferences](#).

Cybersecurity Collaborations

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