

CYBERSECURITY NEXUS™ (CSX) FUNDAMENTALS

By ISACA®

Course: ISACA-CSXF | Instructor-led

Duration: 2 days

HRDF SBL Claimable

INTRODUCTION

CSXF is an excellent way to gain foundational knowledge in cybersecurity and begin to build your knowledge and kick-start your career in this crucial area. CSX is designed to help fortify and advance the industry by educating, training and certifying a stronger, more informed workforce—from recent college graduates to C-suite level executives.

The entry point into our cybersecurity program, Cybersecurity Fundamentals offers a certificate in the introductory concepts that frame and define the standards, guidelines and practices of the industry. The certificate and related training are an ideal way to get started on a career in cybersecurity. These skills are in high demand, as threats continue to plague enterprises around the world.

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).

AUDIENCE

- Ideal for college/university students and recent graduates, those new to the field, as well as those looking to change careers.
- C-suite level executives.

- Professionals in related IT roles needing to understand more about cyber security concepts.
- It is also an excellent resource for professionals in the field looking for a cybersecurity refresher course.

PREREQUISITES

College/university graduates.

LEARNING OBJECTIVES

- Explain the core information assurance (IA) principles.
- Identify the key components of cybersecurity network architecture.
- Apply cybersecurity architecture principles.
- Describe risk management processes and practices.
- Identify security tools and hardening techniques.
- Distinguish system and application security threats and vulnerabilities.
- Describe different classes of attacks.
- Define types of incidents including categories, responses and timelines for response.
- Describe new and emerging IT and IS technologies.
- Analyze threats and risks within context of the cybersecurity architecture.
- Appraise cybersecurity incidents to apply appropriate response.
- Evaluate decision making outcomes of cybersecurity scenarios.
- Access additional external resources to supplement knowledge of cybersecurity.

COURSE OUTLINE

Module 1- Introduction to Cybersecurity

- Cybersecurity objectives
- Cybersecurity roles
- Differences between Information Security & Cybersecurity

Module 2- Cybersecurity Principles

- Confidentiality, integrity, & availability
- Authentication & nonrepudiation

Module 3- Information Security (IS) within Lifecycle Management

- Lifecycle management landscape
- Security architecture processes
- Security architecture tools
- Intermediate lifecycle management concepts

Module 4- Risks & Vulnerabilities

- Basics of risk management
- Operational threat environments
- Classes of attacks

Module 5- Incident Response

- Incident categories
- Incident response
- Incident recovery

Module 6- Future Implications & Evolving Technologies

- New & emerging IT & IS technologies
- Mobile security issues, risks, & vulnerabilities
- Cloud concepts around data & collaboration

General Information

The certification/ exam fees are bundled with the training fees.

Participant Handbook:

Lab Handbook:

CSXF Examination

Online | Closed-book | Remotely-proctored exam.

75 MCQs | Duration: 2 hours | Passing score: 65%

Results are immediate.

It covers 5 domains: (1) Cybersecurity Concepts; (2) Cybersecurity Architecture Principles; (3) Security of Networks, Systems, Applications and Data; (4) Incident Response; and (5) Security Implications and Adoption of Evolving Technology

The Cybersecurity Fundamentals Certificate does not have an expiration date.

You may purchase the exam again if you do not pass the exam. There is no limit on number of times you can take the exam. Each exam fee is &150 USD.

For details regarding the exam, including hardware and software requirements, download the complimentary Exam Guide;

http://www.isaca.org/cyber/Documents/CSX-Exam-Guide_bro_Eng_1014.pdf