CompTIA Security+

Description

Learn How to Manage Network Information Security Against Attacks

This training provides the skills and knowledge necessary to manage network information security against attacks. It equips you with the ability to build, test, and deploy a secure network. The content of this training is regularly updated to incorporate the latest market technologies.

We Prepare You for the SY0-701 Exam (CompTIA Security+)

This course effectively prepares you for the CompTIA Security+ (SY0-701) exam by covering topics such as designing security plans to protect access points and services and optimally configuring your security tools.

Course Content
Module 1: Summarize Fundamental Security Concepts

- Security Concepts
- Security Controls

Module 2: Compare Threat Types

- Threat Actors
- Attack Surfaces
- Social Engineering

Module 3: Explain Cryptographic Solutions

- Cryptographic Algorithms
- Public Key Infrastructure
- Cryptographic Solutions

Module 4: Implement Identity and Access Management

- Authentication
- Authorization

- Identity Management

Module 5: Secure Enterprise Network Architecture

- Enterprise Network Architecture
- Network Security Devices
- Secure Communications

Module 6: Secure Cloud Network Architecture

- Cloud Infrastructure
- Embedded Systems and Zero Trust Architecture

Module 7: Explain Resilience and Site Security Concepts

- Asset Management
- Redundancy Strategies
- Physical Security

Module 8: Explain Vulnerability Management

- Device and Operating System Vulnerabilities
- Application and Cloud Vulnerabilities
- Vulnerability Identification Methods
- Vulnerability Analysis and Remediation

Module 9: Assess Network Security Capabilities

- Network Security Basics
- Enhancing Network Security Capabilities

Module 10: Assess Endpoint Security Capabilities

- Implement Endpoint Security
- Hardening Mobile Devices

Module 11: Improve Application Security Capabilities

- Application Protocol Security Basics
- Cloud and Web Application Security Concepts

Module 12: Explain Incident Response and Monitoring Concepts

- Incident Response
- Digital Forensics
- Data Sources
- Alert and Monitoring Tools

Module 13: Analyze Malicious Activity Indicators

- Malware Attack Indicators
- Physical and Network Attack Indicators
- Application Attack Indicators

Module 14: Summarize Security Governance Concepts

- Policies, Standards, and Procedures
- Change Management
- Automation and Orchestration

Module 15: Explain Risk Management Processes

- Risk Management Processes and Concepts
- Vendor Management Concepts
- Audits and Assessments

Module 16: Summarize Data Protection and Compliance Concepts

- Data Classification and Compliance
- Personnel Policies

Lab / Exercises

- Official CompTIA Labs included

Documentation

- Digital courseware included

Exam

- This course prepares you to the SYO-701 exam.
- If you wish to take this exam, please contact our secretariat who will let you know the cost of the exam and will take care of all the necessary administrative procedures for you.

Participant profiles

- Security Specialist
- Security Administrator
- Systems Administrator
- Help Desk Analyst
- Security Analyst
- Security Engineer

Prerequisites

- Having completed or mastered the concepts included in CompTIA Network+
- Having a minimum of 2 years of experience in IT administration with a focus on security
- Having practical experience in technical information security and a thorough understanding of security concepts.

Objectives

- Assess the security posture of an enterprise environment and recommend and implement appropriate security solutions
- Monitor and secure hybrid environments, including cloud, mobile, and IoT
- Operate with an awareness of applicable laws and policies, including principles of governance, risk, and compliance
- Identify, analyze, and respond to security events and incidents.

Niveau

Intermédiaire
Classroom Registration Price (CHF)
3800
Virtual Classroom Registration Price (CHF)
3550
Duration (in Days)
5
Reference
COM-03