



CompTIA Security+

As Cybercrime is becoming more and more a serious threat to systems and identities, systems engineers and network administrators need to upscale their knowledge and skills to respond to these threats in a professional way. The Security+ course delivers the knowledge and skills required to:

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



CODE: ED25B37



DURATION: 35 hours



START DATE: 02/12/2025



AUDIENCE PROFILE:

Employees, self-employed and unemployed who must have good knowledge of information technology management (IT administration) with an emphasis on information security



PREREQUISITES FOR PARTICIPATION:

Good Knowledge of computers and Internet



TRAINING LANGUAGE:

Greek or English



TRAINING MATERIALS:

Step by Step training materials in the English Language



METHODOLOGY:

Lecture, discussion, demonstration and practice.



COURSE OBJECTIVES:

Upon completion of this course the participants will :

- Describe Security Roles and Controls
- Summarize basic cryptographic concepts
- Summarize secure application concepts
- Summarizing risk management concepts
- Compare security roles and controls
- Explain threat actors and threat intelligence
- Perform security assessments
- Identify social engineering and malware
- Implement public key infrastructure
- Implement authentication controls
- Implement identity and account management controls
- Implement secure network designs
- Implement network security appliances
- Implement secure network protocols
- Implement host security solutions
- Implementing secure mobile solutions
- Implement secure cloud solutions
- Explain data privacy and protection concepts
- Perform incident response
- Explain digital forensics

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- Identify, analyze, and respond to security events and incidents.



PARICIPATION COST:

The cost includes the course notes and certificate.

Participation Cost

- Total Cost: €1050
- HRDA Subsidy: €700
- Net Cost: €350

For Unemployed

- Please contact us



ΧΩΡΟΣ ΔΙΕΞΑΓΩΓΗΣ: WEBINAR _ ZOOM



Μέρες και Ώρες

Tuesday 02/12/2025, 17:45 - 21:30

Thursday 04/12/2025, 17:45 - 21:30

Tuesday 09/12/2025, 17:45 - 21:30

Thursday 11/12/2025, 17:45 - 21:30

Tuesday 16/12/2025, 17:45 - 21:30

Thursday 18/12/2025, 17:45 - 21:30

Tuesday 23/12/2025, 17:45 - 21:30

Tuesday 30/12/2025, 17:45 - 21:30

Thursday 08/01/2026, 17:45 - 21:30

Tuesday 13/01/2026, 17:45 - 21:30

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COURSE TOPICS

1 - COMPARING SECURITY ROLES AND CONTROLS

Topic 1A: Compare and Contrast Information Security Roles

Topic 1B: Compare and Contrast Security Control and Framework Types

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις

2 - EXPLAINING THREAT ACTORS AND THREAT INTELLIGENCE

Topic 2A: Explain Threat Actor Types and Attack Vectors

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις, ασκήσεις

3 - PERFORMING SECURITY ASSESSMENTS

Topic 3A: Assess Organizational Security with Network Reconnaissance Tools

Topic 3B: Explain Security Concerns with General Vulnerability Types

Topic 3C: Summarize Vulnerability Scanning Techniques

Topic 3D: Explain Penetration Testing Concepts

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις, ασκήσεις

4 - IDENTIFYING SOCIAL ENGINEERING AND MALWARE

Topic 4A: Compare and Contrast Social Engineering Techniques

Topic 4B: Analyse Indicators of Malware-Based Attacks

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις, ασκήσεις

5 - SUMMARIZING BASIC CRYPTOGRAPHIC

CONCEPTS

Topic 5A: Compare and Contrast Cryptographic Ciphers

Topic 5B: Summarize Cryptographic Modes of Operation

Topic 5C: Summarize Cryptographic Use Cases and Weaknesses

Topic 5D: Summarize Other Cryptographic Technologies

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις, ασκήσεις

6 - IMPLEMENTING PUBLIC KEY INFRASTRUCTURE

Topic 6A: Implement Certificates and Certificate Authorities

Topic 6B: Implement PKI Management

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις, ασκήσεις

7 - IMPLEMENTING AUTHENTICATION CONTROLS

Topic 7A: Summarize Authentication Design Concepts

Topic 7B: Implement Knowledge-Based Authentication

Topic 7C: Implement Authentication Technologies

Topic 7D: Summarize Biometrics Authentication Concepts

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις, ασκήσεις

8 - IMPLEMENTING IDENTITY AND ACCOUNT MANAGEMENT CONTROLS

Topic 8A: Implement Identity and Account Types

Topic 8B: Implement Account Policies

Topic 8C: Implement Authorization Solutions

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COURSE TOPICS

Topic 8D: Explain the Importance of Personnel Policies

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις, ασκήσεις

9 - IMPLEMENTING SECURE NETWORK DESIGNS

Topic 9A: Implement Secure Network Designs

Topic 9B: Implement Secure Switching and Routing

Topic 9C: Implement Secure Wireless Infrastructure

Topic 9D: Implement Load Balancers

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις, ασκήσεις

10 - IMPLEMENTING NETWORK SECURITY APPLIANCES

Topic 10A: Implement Firewalls and Proxy Servers

Topic 10B: Implement Network Security Monitoring

Topic 10C: Summarize the Use of SIEM

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις, ασκήσεις

11 - IMPLEMENTING SECURE NETWORK PROTOCOLS

Topic 11A: Implement Secure Network Operations Protocols

Topic 11B: Implement Secure Application Protocols

Topic 11C: Implement Secure Remote Access Protocols

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις, ασκήσεις

12 - IMPLEMENTING HOST SECURITY SOLUTIONS

Topic 12A: Implement Secure Firmware

Topic 12B: Implement Endpoint Security

Topic 12C: Explain Embedded System Security Implications

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις, ασκήσεις

13 - IMPLEMENTING SECURE MOBILE SOLUTIONS

Topic 13A: Implement Mobile Device Management

Topic 13B: Implement Secure Mobile Device Connections

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις, ασκήσεις

14 - SUMMARIZING SECURE APPLICATION CONCEPTS

Topic 14A: Analyze Indicators of Application Attacks

Topic 14B: Analyze Indicators of Web Application Attacks

Topic 14C: Summarize Secure Coding Practices

Topic 14D: Implement Secure Script Environments

Topic 14E: Summarize Deployment and Automation Concepts

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις, ασκήσεις

15 - IMPLEMENTING SECURE CLOUD SOLUTIONS

Topic 15A: Summarize Secure Cloud and Virtualization Services

Topic 15B: Apply Cloud Security Solutions

Topic 15C: Summarize Infrastructure as Code Concepts

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις, ασκήσεις

16 - EXPLAINING DATA PRIVACY AND PROTECTION CONCEPTS

Topic 16A: Explain Privacy and Data Sensitivity Concepts

Topic 16B: Explain Privacy and Data Protection

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COURSE TOPICS

Controls

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις,
ασκήσεις

17 - PERFORMING INCIDENT RESPONSE

Topic 17A: Summarize Incident Response Procedures

Topic 17B: Utilize Appropriate Data Sources for Incident Response

Topic 17C: Apply Mitigation Controls

18 - EXPLAINING DIGITAL FORENSICS

Topic 18A: Explain Key Aspects of Digital Forensics Documentation

Topic 18B: Explain Key Aspects of Digital Forensics Evidence Acquisition

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις,
ασκήσεις

19 - SUMMARIZING RISK MANAGEMENT CONCEPTS

Topic 19A: Explain Risk Management Processes and Concepts

20 - IMPLEMENTING CYBERSECURITY RESILIENCE

Topic 20A: Implement Redundancy Strategies

Topic 20B: Implement Backup Strategies

Topic 20C: Implement Cybersecurity Resiliency Strategies

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις,
ασκήσεις

21 - EXPLAINING PHYSICAL SECURITY

Topic 21A: Explain the Importance of Physical Site Security Controls

Topic 21B: Explain the Importance of Physical Host Security Controls

Τεχνικές Κατάρτισης

Διάλεξη, Συζήτηση, ερωτήσεις απαντήσεις,
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