



Consulting and Training | Reach New Heights

Course Name

SSCP - Systems Security Certified Practitioner

Sector Name

Information Technology

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SSCP - Systems Security Certified Practitioner

Course Introduction

The SSCP – Systems Security Certified Practitioner Training Course prepares IT professionals to develop practical cybersecurity skills required to protect organizational systems and networks. The course focuses on core information security principles, network security, risk management, and security operations, helping participants understand how to secure IT infrastructure effectively.

Participants will learn how to implement access control mechanisms, monitor security events, manage vulnerabilities, and respond to cybersecurity incidents in real-world environments. The program also covers key areas such as security administration, encryption, authentication, and system monitoring, which are essential for maintaining secure information systems.

The training aligns with the certification standards developed by ISC2, the organization responsible for the globally recognized ****SSCP – Systems Security Certified Practitioner** credential. Through practical exercises and case studies, learners gain the knowledge required to support enterprise security operations and strengthen organizational cybersecurity defenses.

This course is ideal for security administrators, network security specialists, system engineers, and IT professionals responsible for protecting digital infrastructure. By completing this training, participants will be equipped to implement security controls,

manage security risks, and support incident response processes within modern IT environments

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Target Audience

- ✓ Cloud Computing Engineer
- ✓ Computer Network Specialist
- ✓ Computer Support Specialist
- ✓ Database Administrator
- ✓ Information Technology Analyst
- ✓ Information Technology Leadership
- ✓ Information Security Specialist
- ✓ Software/Application Developer
- ✓ Web Developer
- ✓ Technology sales consultant

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Learning Objectives

- ✓ Implement authentication mechanisms.
- ✓ Document and operate security controls.
- ✓ Perform security assessment activities.
- ✓ Understand security issues related to networks.

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Course Outline

✓ Day 01

Security Operations And Administration

- ✓ Change Control/Configuration Management
- ✓ Dual Control, Separation of Duties, Rotation of Duties
- ✓ Vulnerability Assessment and Pen-Testing

Access Controls

- ✓ AAA
- ✓ Authentication Methods (Types 1, 2, & 3)
- ✓ Authorization - DAC, RBAC, MAC
- ✓ Accounting - Logging, Monitoring, Auditing
- ✓ Central/Decentralized and Hybrid Management
- ✓ Single Sign-On - Kerberos, Radius, Diameter, TACACS
- ✓ Vulnerabilities - Emanations, Impersonation, Rogue Infrastructure, Social Engineering

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Course Outline

✓ Day 02

Cryptography

- ✓ Intro/History
- ✓ Symmetric
- ✓ Asymmetric
- ✓ Hashing
- ✓ Cryptosystems - SSL, S/MIME, PGP • PKI
- ✓ Cryptanalysis

Malicious Code And Malware

- ✓ Layering, Data Hiding, and Abstraction
- ✓ Database Security
- ✓ AI
- ✓ OOD
- ✓ Mobil Code
- ✓ Malware Architecture Problems - Covert Channels + TOC/TOU, Object Reuse
- ✓ Network Vulnerabilities

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Course Outline

✓ Day 03

Networks And Telecommunications

- ✓ OSI/DoD TCP/IP Models
- ✓ TCP/UDP/ICMP/IP
- ✓ Ethernet
- ✓ Devices - Routers/Switches/Hubs
- ✓ Firewalls
- ✓ Wireless
- ✓ WAN Technologies - X.25/Frame Relay/PPP/ISDN/DSL/Cable
- ✓ Voice - PBX/Cell Phones/VOIP
- ✓ IPSec

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Course Outline

✓ Day 04

Risk, Response, And Recovery

- ✓ CIA
- ✓ Roles and Responsibilities - RACI
- ✓ Asset Management
- ✓ Taxonomy - Information Classification
- ✓ Risk Management
- ✓ Policies, Procedures, Standards, Guidelines, Baselines
- ✓ Knowledge Transfer - Awareness, Training, Education
- ✓ BIA Policy
- ✓ BIA Roles and Teams
- ✓ Data Backups, Vaulting, Journaling, Shadowing
- ✓ Alternate Sites
- ✓ Emergency Response
- ✓ Required notifications
- ✓ BIA Tests

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Course Outline

✓ Day 05

Analysis And Monitoring

- ✓ Ethics - Due Care/Due diligence
- ✓ Intellectual Property
- ✓ Incident Response
- ✓ Forensics
- ✓ Evidence
- ✓ Laws - HIPAA, GLB, SOX

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Aug. 23, 2027	Aug. 27, 2027	5 days	4950.00 \$	Netherlands , Amsterdam
July 5, 2027	July 9, 2027	5 days	4250.00 \$	UAE , Dubai
Jan. 11, 2027	Jan. 15, 2027	5 days	4250.00 \$	UAE , Dubai
Oct. 19, 2026	Oct. 23, 2026	5 days	4250.00 \$	UAE , Abu Dhabi

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