
(ISC)2 SYSTEM SECURITY CERTIFIED PRACTITIONER (SSCP)

Who Should Attend

This course is intended for Systems Analyst and Engineers, Security Engineers as well as Database Analysts and other IT professionals who have a minimum of one-year full-time experience in one of the domains covered in the SSCP Common Body of Knowledge.

Through the study of all seven SSCP domains, students will validate their knowledge by meeting the necessary preparation requirements to qualify to sit for the SSCP certification exam.

SSCP certification is a terrific entry-level information security certification, and it is the ideal precursor for the much sought after CISSP certification.

Course Objectives

Upon successful completion of this course, students will be able to:

- Prepare for and pass the SSCP Exam.
- Implement authentication mechanisms.
- Document and operate security controls.
- Perform security assessment activities.
- Understand security issues related to networks.

Course Outline

1 – ACCESS CONTROLS

- Implement Authentication Mechanisms
- Operate Internetwork Trust Architectures
- Participate in the Identity Management Lifecycle
- Implement Access Controls

2 – SECURITY OPERATIONS AND ADMINISTRATION

- Understand and Comply with Code of Ethics
- Understand Security Concepts
- Document and Operate Security Controls
- Participate in Asset Management
- Implement and Assess Compliance Controls
- Participate in Change Management

- Participate in Security Awareness and Training
- Participate in Physical Security Operations

3 – RISK IDENTIFICATION, MONITORING, AND ANALYSIS

- Understand the Risk Management Process
- Perform Security Assessment Activities
- Operate and Maintain Monitoring Systems
- Analyze Monitoring Results

4 – INCIDENT RESPONSE AND RECOVERY

- Participate in Incident Handling
- Understand and Support Forensic Investigations
- Understand and Support BCP and DRP

5 - CRYPTOGRAPHY

- Understand and Apply Fundamental Concepts of Cryptography
- Understand Requirements for Cryptography
- Understand and Support Secure Protocols
- Operate and Implement Cryptographic Systems

6 – NETWORK AND COMMUNICATIONS SECURITY

- Understand Security Issues Related to Networks
- Protect Telecommunications Technologies
- Control Network Access
- Manage LAN-Based Security
- Operate and Configure Network-Based Security Devices
- Implement and Operate Wireless Technologies

7 – SYSTEMS AND APPLICATION SECURITY

- Identify and Analyze Malicious Code and Activity
- Implement and Operate Endpoint Device Security
- Operate and Configure Cloud Security
- Secure Big Data Systems