



ISC2 TRAINING

Systems Security Certified Practitioner (SSCP)

Master security administration, monitoring, and incident response. Achieve your ISC2 SSCP certification.

DURATION

40 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

The Systems Security Certified Practitioner (SSCP) certification from (ISC)² is an essential credential for IT professionals responsible for the hands-on operational aspects of cybersecurity. This intensive 40-hour course at Computer Pride is meticulously designed to equip you with the foundational yet critical skills needed to implement, monitor, and administer IT infrastructure in accordance with information security policies and procedures. You'll delve into core security practices, learning how to safeguard organizational assets against an ever-evolving threat landscape. This includes mastering access controls, understanding network security protocols, identifying and responding to incidents, and applying cryptographic solutions to protect data.

Through practical exercises and comprehensive theoretical instruction, you will gain proficiency in crucial technologies and methodologies such as firewalls, intrusion detection/prevention systems (IDS/IPS), virtual private networks (VPNs), security information and event management (SIEM) tools, and various encryption standards. The course emphasizes real-world application, ensuring that graduates are not just conceptually aware but practically capable of performing security tasks. Earning the SSCP validates your technical skills and competence in operational IT security, making you a highly valuable asset to any organization striving to maintain a robust security posture and comply with industry best practices. It's an ideal stepping stone for those looking to solidify their cybersecurity career.

Duration	40 hours
Level	Intermediate
Vendor	ISC2
Exam Code	SSCP

PREREQUISITES

- Basic understanding of IT concepts
- Familiarity with operating systems
- Basic networking knowledge

COURSE CURRICULUM

01 Module 1: Security Operations and Administration

- Implementing and operating security controls
- Understanding and applying security policies, standards, and procedures
- Performing security assessments and vulnerability management
- Security awareness and training programs
- Physical security controls

02 Module 2: Access Controls and Identity Management

- Fundamentals of access control systems
- Implementing and managing authentication methods (MFA, SSO, Kerberos)
- Authorization models (RBAC, DAC, MAC)
- Identity management and account provisioning
- Directory services (LDAP, Active Directory)

03 Module 3: Network and Communications Security

- Network topology and design principles
- Firewalls, intrusion detection and prevention systems (IDS/IPS)
- Secure network devices and protocols (VPNs, DNSSEC, SNMPv3)
- Wireless security (WPA3, EAP)
- Network access control (NAC)

04 Module 4: Risk Identification, Monitoring, and Analysis

- Threats, vulnerabilities, and exploitation methods
- Performing security baselines and security monitoring
- Log management and SIEM systems
- Vulnerability scanning and penetration testing concepts
- Security audit and review processes

05 Module 5: Incident Response and Recovery

- Incident handling process (preparation, identification, containment, eradication, recovery, lessons learned)
- Business continuity and disaster recovery planning
- Forensics fundamentals and evidence collection
- Backup and restoration strategies

06 Module 6: Cryptography and Systems/Application Security

- Cryptographic principles and algorithms (symmetric, asymmetric, hashing)
- Public Key Infrastructure (PKI) and digital certificates
- Secure email and web communications (SSL/TLS)
- Operating system security (hardening, patching)
- Application security (OWASP Top 10, secure development practices)

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Security Operations Center (SOC) Analyst L1/L2**
- > **IT Security Administrator**
- > **Junior Information Security Engineer**

FREQUENTLY ASKED QUESTIONS

Q: What practical, hands-on security tasks will I be proficient in after completing the SSCP course?

Upon completing the SSCP course, you will be proficient in configuring and managing firewalls and intrusion detection systems, implementing multi-factor authentication, performing vulnerability scans, analyzing security logs, participating in incident response procedures, and applying encryption to secure data in transit and at rest. The course focuses heavily on the operational aspects of security, preparing you for immediate practical application in a security role.

Q: How does the SSCP certification serve as a stepping stone for career progression within cybersecurity, particularly towards advanced roles like CISSP?

The SSCP certification provides a strong foundation in the operational and administrative aspects of cybersecurity, making it an excellent precursor to more advanced certifications like the CISSP. While SSCP focuses on the hands-on implementation and monitoring, CISSP covers broader security management, architecture, and governance. By mastering

SSCP domains, you gain the practical experience and technical understanding that is invaluable when progressing to the strategic, managerial, and architectural concepts covered by CISSP, creating a clear career pathway from tactical to strategic security roles.

Q: Are there any specific technical skills or prior experience recommended before enrolling in the SSCP course to maximize learning outcomes?

While the official (ISC)² SSCP exam requires one year of cumulative paid work experience in one or more of the seven domains of the SSCP CBK, for the Computer Pride course itself, we recommend a foundational understanding of networking concepts (e.g., TCP/IP, basic network devices), operating systems (Windows and Linux basics), and general IT administration. Familiarity with command-line interfaces and a keen interest in cybersecurity will significantly enhance your learning experience and ability to grasp the technical aspects covered.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke