







E-Learning COURSE OUTLINE

CISSP®- Certified Information Systems Security Professional Certification Training

-  High quality Content
-  Study Guides
-  Learning Videos
-  Practice Tests
-  Learning Support
-  Learn on any device





Syllabus

Lesson 01 - Course Introduction

- Course Introduction

Lesson 02 - Security and Risk Management

- Security and Risk Management
- Information Security Management
- Security Controls
- Information Security Management and Governance
- Goals, Mission, and Objectives
- Due Care
- Security Policy
- Compliance
- Computer Crimes
- Legal Systems
- Intellectual Property (IP) Law
- Privacy
- General Data Protection Regulation
- Security
- Risk Analysis
- Types of Risk Analysis
- Security Control Assessment
- Threat Modeling
- Supply-Chain Risk Management
- Third-Party Management
- Business Continuity Planning
- Business Continuity Planning Phases
- Managing Personnel Security
- Security Awareness Training
- Program Effectiveness Evaluation
- Key Takeaways
- Knowledge Check

Lesson 03 - Asset Security

- Asset Security
- Information Classification
- Information Data Classification
- Data Life Cycle
- Data Management
- Different Roles
- Data Retention
- Privacy
- States of Data
- Data Loss Prevention
- Key Takeaways
- Knowledge Check



Syllabus

Lesson 04 - Security Engineering

- Introduction
- Security Engineering
- Security Architecture
- Security Models
- Evaluation Criteria
- System Security
- CPU
- Memory
- Security Mode
- Cloud Computing
- IoT
- Industrial Control System (ICS)
- Cryptography
- Encryption Methods
- DES
- Asymmetric Cryptography
- Public Key Infrastructure
- Cryptanalysis
- Key Management
- Critical Path Analysis
- Site Location
- Fire
- HVAC
- Key Takeaways
- Knowledge Check

Lesson 05 - Communications and Network Security

- Introduction
- Network Architecture and Design
- IP Addressing
- Network Protocols
- Transmission Media
- Firewall
- Intrusion Detection System and Intrusion Prevention System
- Network Access Control (NAC)
- Content Delivery Network (CDN)
- Networks
- Software-Defined Networking (SDN)
- Remote Access
- Internet Security Protocol (IPsec)
- Voice over Internet Protocol (VoIP)
- Phreaking
- Secure Access Protocols
- Wireless Technologies
- Network Attacks
- Key Takeaways
- Knowledge Check



Syllabus

Lesson 06 - Identity and Access

Management

- Identity and Access Management
- Identity Management
- Biometrics
- Passwords
- Tokens
- Memory Cards and Smart Cards
- Access and Authorization Concepts
- Identity Management Implementation
- Kerberos
- Access Control Types
- Access Control Models
- Access Control Tools and Techniques
- Accountability
- Access Control Monitoring
- Identity Proofing
- Markup Languages
- Identity as a Service (IDaaS)
- Key Takeaways
- Knowledge Check

Lesson 07 - Security Assessment and

Testing

- Security Assessment and Testing
- Security Assessment
- Vulnerability Assessment
- Penetration Testing
- Audits
- Log Management
- Synthetic Transaction and Real Transaction

- Testing
- Software Testing
- Interface
- Key Performance Indicators (KPI)
- Key Takeaways
- Knowledge Check

Lesson 08 - Security Operations

- Security Operations
- Investigation
- Forensic Investigation
- Evidence
- Electronic Discovery
- Incident Management
- Security Operations Management
- Identity and Access Management
- Assets
- Malware
- Management
- Recovery and Backup
- Disaster Recovery
- Perimeter Security
- Key Takeaways
- Knowledge Check



Syllabus

Lesson 09 - Software Development Security

- Software Development Security
- Importance of Software Development Security
- Programming Concepts
- Systems Development Life Cycle
- Application Program Interface
- Software Security and Assurance
- Database and Data Warehouse Environments
- Knowledge Management
- Web Application Environment
- Security Threats and Attacks
- Key Takeaways
- Knowledge Check

About SwissKnowledge

SwissKnowledge is a brand of Swiss Expert Consulting GmbH, designed to deliver training and consulting services to individuals and corporate customers

MAKE SMATER AND BETTER INVESTMENT



People Development

COURSES PORTFOLIO

SCRUM & AGILE

- Scrum Developer Certified (SDC)
- Scrum Master Certified (SMC)
- Scrum Product Owner Certified (SPOC)
- Agile Master Certified (SAMC)
- Agile Scrum Master (ASM)

PROJECT MANAGEMENT

- Project Management Professional
- PMI Risk Management Professional
- PRINCE2 Foundation & Practitioner
- MSP Foundation & Practitioner
- CBAP

QUALITY MANAGEMENT

- Six Sigma Green Belt (SSGB)
- Six Sigma Black Belt (SSBB)
- Lean Six Sigma Green Belt (LSSGB)
- Lean Six Sigma Black Belt (LSSBB)

IT SERVICE MANAGEMENT

- ITIL Foundation
- ITIL 4 Foundation

Trust your educational growth to



 contact@swissknowledge.org

 +41 79 315 28 99