CISSP®- Certified Information Systems Security Professional Certification Training

simpl;learn

Table of **Contents:**

Program **Overview:**

CISSP certification training develops your expertise in defining IT architecture and designing, building, and maintaining a secure business environment using globally approved information security standards. This course covers industry best practices and prepares you for the CISSP certification exam held by (ISC).

Program **Features:**

> 67 hours of blended learning

> 35 hours of online self-paced learning

> 32 hours of instructor-led training

> Five simulation test papers to prepare you for CISSP certification

> Offers the requisite 30 CPEs for taking the CISSP examination

> CISSP exam voucher (except for India, Africa, and Indian Subcontinent)

Delivery **Mode:**

Blended - Online self-paced learning and live virtual classroom

Prerequisites:

To obtain your CISSP certification, you must have a minimum of five years of full-time professional work experience in two or more of the eight domains of the CISSP – (ISC) CBK 2018. A qualified individual with less than five years of experience will receive the Associate of (ISC) title.

simpl_ilearn

Target **Audience:**

- Security consultants/managers
- IT directors/managers
- Security auditors/architects
- Security system engineers
- CIOs
- Network architects

Key Learning **Outcomes:**

By the end of this CISSP training, you will:
- Be able to define the architecture, design, and management of the security of your organization
- Acquire the relevant knowledge and skills required to pass the CISSP certification exam
- Perform risk analysis and prevent data loss
- Learn about security architecture, engineering, models, and cryptography
- Gain familiarity with communications and network security, identity and access management, and security testing and operations

Certification Details and **Criteria:**

This CISSP training is intended for professionals who want to acquire the credibility and mobility to advance within their current information security careers. To claim the CISSP certificate from ISC2, you must have at least five years of recent full-time professional work experience in two or more of the eight domains of the CISSP – CBK 2018. In case you do not have the required experience, you will be awarded an Associate of (ISC)2 title, which will in turn be replaced with the CISSP certificate after you gain and submit proof of your experience.

simpl_ilearn

Simplilearn Course **Completion Criteria-**

Online Classroom:

> Attend one complete batch
> Complete one simulation test with a minimum score of 60 percent

Online Self-Learning:

> Complete 85 percent of the course
> Complete one simulation test with a minimum score of 60 percent

Course **Curriculum:**

Lesson 01 - Course Introduction

> CourseIntroduction

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
> Data Classification
> Data Life Cycle
> Data Management
> Different Roles
> Data Remanence
> Privacy
> States of Data
> Data Loss Prevention
> Key Takeaways
> Knowledge Check

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

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

simpli·learn

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

Lesson 09 - Software Development Security

simpl‖learn

Customer **Reviews:**

Rakesh Sharma
IT Consultancy and Advisory

I loved the course on CISSP - Certified Information Systems Security Professional from Simplilearn. It was concise, comprehensive, and easy to follow. Their videos, live sessions, and exams are excellent.

Nityanand Singh
Associate Manager-IT Operations at Tredence

Really good training. It helped me to clear a lot of doubts which were present in my mind for a long time.

Manoj Sharma
Information Security Manager

The precise syllabus, quality of WebEx app, the quality of trainers, and the ease of use of the Simplilearn website. Highly satisfied.

Jenish James
IT Security Analyst at Halliburton

The training was nice and to the point. The trainer was nice and helpful. He cleared all our course-related doubts.

About **Us:**

Simplilearn is a leader in digital skills training, focused on the emerging technologies that are transforming our world. Our blended learning approach drives learner engagement and is backed by the industry's highest completion rates. Partnering with professionals and companies, we identify their unique needs and provide outcome-centric solutions to help them achieve their professional goals.

For more information, please visit our website:
https://www.simplilearn.com/cyber-security/cissp-certification-training

simpli·learn | simplilearn.com

Founded in 2009, Simplilearn is one of the world's leading providers of online training for Digital Marketing, Cloud Computing, Project Management, Data Science, IT Service Management, Software Development and many other emerging technologies. Based in Bangalore, India, San Francisco, California, and Raleigh, North Carolina, Simplilearn partners with companies and individuals to address their unique needs, providing training and coaching to help working professionals meet their career goals. Simplilearn has enabled over 1 million professionals and companies across 150+ countries train, certify and upskill their employees.

Simplilearn's 400+ training courses are designed and updated by world-class industry experts. Their blended learning approach combines e-learning classes, instructor-led live virtual classrooms, applied learning projects, and 24/7 teaching assistance. More than 40 global training organizations have recognized Simplilearn as an official provider of certification training. The company has been named the 8th most influential education brand in the world by LinkedIn.

India – United States – Singapore