

Nutech Computer Training Institute

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CISSP Course Overview

The course will provide comprehensive coverage in all 10 areas of knowledge as defined by the (ISC)2: Access Control, Application Security, Business Continuity and Disaster Recovery Planning, Cryptography, Information Security and Risk Management, Legal, Regulations, Compliance and Investigations, Operations Security, Physical (Environmental) Security, Security Architecture and Design, Telecommunications and Network Security.

In our training program, all salient points and important areas relevant to the CISSP test will be given to you in a condensed format, and you will be prepared with simulation tests that closely resemble the real one. The course materials will be delivered by an instructor with 14 years of relevant IT experiences in 12 sessions. The first 10 sessions will concentrate on the 10 domains of knowledge, and the last 2 sessions will focus on test preparation and test taking techniques and simulation test drills.

Course Plan

1. Session 1: Course Overview & Application Security

- 1.1. Introduction
 - 1.1.1. Overview of CISSP examine
 - 1.1.2. Structure of the CISSP training program
- 1.2. Application Security Core
 - 1.2.1. System Development Life Cycle (SDLC)
 - 1.2.2. Database Security
 - 1.2.3. Application Development Methodology
 - 1.2.4. Distributed Computing
 - 1.2.5. Expert System
 - 1.2.6. Web Security
 - 1.2.7. Mobile Code Security
 - 1.2.8. Patch Management
- 1.3. Complete In-Chapter Test and Discuss the Results
- 1.4. Homework Assignment
 - 1.4.1. Read CH 11, Application Security, in Shon Harris' Book
 - 1.4.2. Complete practice test questions in CH 8 of Exam Cram.

2. Session 2: Security and Risk Management

- 2.1. Review homework questions
- 2.2. Security & Risk Management Core
 - 2.2.1. Management Responsibility and Approach
 - 2.2.2. System Administration
 - 2.2.3. Organizational Security Model
 - 2.2.4. Risk Management
 - 2.2.5. Risk Analysis
 - 2.2.6. Policies, Standards, Baselines, Guidelines, and Procedures
 - 2.2.7. Information classification
 - 2.2.8. Role Responsibilities
- 2.3. Complete In-Chapter Test and Discuss the Results
- 2.4. Homework Assignment
 - 2.4.1. Read CH 3, Information Security and Risk Management, in Shon Harris' Book

- 2.4.2. Complete practice test questions in CH 9 of Exam Cram.

- 3. **Session 3: Access Control**
 - 3.1. Review homework questions
 - 3.2. Access Control Core
 - 3.2.1. Security Principles
 - 3.2.2. Identification, Authentication, and Authorization
 - 3.2.3. Access Control Models
 - 3.2.4. Techniques and Technologies
 - 3.2.5. Access Control Administration
 - 3.2.6. Access Control Methods
 - 3.2.7. Access Control Types
 - 3.2.8. Audit Practice
 - 3.2.9. Practices and Monitoring
 - 3.2.10. Security Threats
 - 3.3. Complete In-Chapter Test and Discuss the Results
 - 3.4. Homework Assignment
 - 3.4.1. Read CH 4, Access Control, in Shon Harris' Book
 - 3.4.2. Complete practice test questions in CH 2 of Exam Cram.

- 4. **Session 4: Security Architecture and Design**
 - 4.1. Review homework questions
 - 4.2. Security Architecture and Design Core
 - 4.2.1. Computer Architecture
 - 4.2.2. System Architecture
 - 4.2.3. Security Models
 - 4.2.4. Modes of Operation
 - 4.2.5. Evaluation Methods: Orange Book and Common Criteria
 - 4.2.6. Certification and Accreditation
 - 4.2.7. Open vs. Closed System
 - 4.2.8. Enterprise Architecture
 - 4.2.9. Security Threats
 - 4.3. Complete In-Chapter Test and Discuss the Results
 - 4.4. Homework Assignment
 - 4.4.1. Read CH 5, Security Architecture and Design, in Shon Harris' Book
 - 4.4.2. Complete practice test questions in CH 4 of Exam Cram.

- 5. **Session 5: Physical and Environmental Security**
 - 5.1. Review homework questions
 - 5.2. Physical and Environmental Security Core
 - 5.2.1. Use Environment to Enhance Security
 - 5.2.2. Internal Support System
 - 5.2.3. Perimeter Security
 - 5.3. Complete In-Chapter Test and Discuss the Results
 - 5.4. Homework Assignment
 - 5.4.1. Read CH 6, Physical and Environmental Security, in Shon Harris' Book
 - 5.4.2. Complete practice test questions in CH 1 of Exam Cram.

- 6. **Session 6: Telecommunication and Network Security**
 - 6.1. Review homework questions
 - 6.2. Telecommunication and Network Security Core

- 6.2.1. The OSI Model
- 6.2.2. TCP/IP
- 6.2.3. Transmission Types
- 6.2.4. LAN Network
- 6.2.5. Routing & Routed Protocols
- 6.2.6. Network Devices
- 6.2.7. Network Services and Protocols
- 6.2.8. Intranet and Extranet
- 6.2.9. MAN and WAN
- 6.2.10. Remote Access
- 6.2.11. Wireless Technologies
- 6.2.12. Rootkits
- 6.3. Complete In-Chapter Test and Discuss the Results
- 6.4. Homework Assignment
 - 6.4.1. Read CH 7, Telecommunication and Network Security, in Shon Harris' Book
 - 6.4.2. Complete practice test questions in CH 5 of Exam Cram.

7. Session 7: Cryptography

- 7.1. Review homework questions
- 7.2. Cryptography Core
 - 7.2.1. Historical Ciphers
 - 7.2.2. Concepts
 - 7.2.3. Cipher Types
 - 7.2.4. Encryption Mode
 - 7.2.5. Symmetric Crypto
 - 7.2.6. Asymmetric Crypto
 - 7.2.7. Message Integrity
 - 7.2.8. PKI
 - 7.2.9. Key Management
 - 7.2.10. Link vs. End-to-End Encryption
 - 7.2.11. Email Security
 - 7.2.12. Internet Security
 - 7.2.13. Attacks
- 7.3. Complete In-Chapter Test and Discuss the Results
- 7.4. Homework Assignment
 - 7.4.1. Read CH 8, Cryptography, in Shon Harris' Book
 - 7.4.2. Complete practice test questions in CH 3 of Exam Cram.

8. Session 8: Business Continuity and Disaster Recovery

- 8.1. Review homework questions
- 8.2. Continuity and Disaster Recovery Core
 - 8.2.1. BCP Process
 - 8.2.2. BCP Requirements
- 8.3. Complete In-Chapter Test and Discuss the Results
- 8.4. Homework Assignment
 - 8.4.1. Read CH 9, Business Continuity and Disaster Recovery, in Shon Harris' Book
 - 8.4.2. Complete practice test questions in CH 6 of Exam Cram.

9. Session 9: Legal, Regulations, Compliance, and Investigations

- 9.1. Review homework questions
- 9.2. Legal, Regulations, Compliance, and Investigations Core
 - 9.2.1. Cyber & Computer Crime Laws
 - 9.2.2. Intellectual Property Laws

- 9.2.3. Privacy
- 9.2.4. Liability
- 9.2.5. Investigation
- 9.2.6. Forensics & Proper Evidence Collection
- 9.2.7. Ethics
- 9.3. Complete In-Chapter Test and Discuss the Results
- 9.4. Homework Assignment
 - 9.4.1. Read CH 10, Legal, Regulations, Compliance, and Investigations, in Shon Harris' Book
 - 9.4.2. Complete practice test questions in CH 7 of Exam Cram.

10. Session 10: Operational Security

- 10.1. Review homework questions
- 10.2. Operational Security Core
 - 10.2.1. Role of Operation Security
 - 10.2.2. Administrative Management
 - 10.2.3. Assurance Levels
 - 10.2.4. Operational Securities
 - 10.2.5. Configuration Management
 - 10.2.6. Media Controls
 - 10.2.7. Network and Resource Availability
 - 10.2.8. Mainframes
 - 10.2.9. Email Security
 - 10.2.10. Vulnerability Testing
- 10.3. Complete In-Chapter Test and Discuss the Results
- 10.4. Homework Assignment
 - 10.4.1. Read CH 12, Operational Security, in Shon Harris' Book
 - 10.4.2. Complete practice test questions in CH 10 of Exam Cram.
- 10.5.

11. Session 11: Review Session 1

- 11.1. Review homework questions
- 11.2. Test Review (First 5 topics)
 - 11.2.1. Simulation Test 1: 60 questions
 - 11.2.2. Review Simulation Test 1
- 11.3. Homework Assignment: 60 questions

12. Session 12: Review Session 2

- 12.1. Review homework questions
- 12.2. Test Review (Last 5 topics)
 - 12.2.1. Simulation Test 2: 60 questions
 - 12.2.2. Review Simulation Test 2
- 12.3. Home Assignment: remaining 70 questions
- 12.4. Take Home Final and Practice Question Set
 - 12.4.1. CD in the Shon Harris' book contains a final exam. The exam is made by "Total Tester."
To install it , goto "<CD Drive>\Total" directory, and double click on setup.exe
 - 12.4.2. Additional 500 questions from PrepLogic