

uCertify

Course Outline

**CISSP - Certified Information
Systems Security Professional 2015**



25 May 2020



Lesson



Practice test

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Here's what you get

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1. Course Objective

Gain hands-on expertise in CISSP certification exam by CISSP-2015 course. CISSP certification is vendor-neutral credential designed for IT security practitioners to validate their technical and managerial skills, credibility and, experience. CISSP exam is designed to engineer, implement, and manage the overall information security program to protect organizations from growing sophisticated attacks.

2. Pre-Assessment

Pre-Assessment lets you identify the areas for improvement before you start your prep. It determines what students know about a topic before it is taught and identifies areas for improvement with question assessment before beginning the course.

3. Exercises

There is no limit to the number of times learners can attempt these. Exercises come with detailed remediation, which ensures that learners are confident on the topic before proceeding.

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EXERCISES

4. Quizzes

Quizzes test your knowledge on the topics of the exam when you go through the course material. There is no limit to the number of times you can attempt it.

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QUIZZES

5. Flashcards

Flashcards are effective memory-aiding tools that help you learn complex topics easily. The flashcard will help you in memorizing definitions, terminologies, key concepts, and more. There is no limit to the number of times learners can attempt these. Flashcards help master the key concepts.

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FLASHCARDS

6. Glossary of terms

uCertify provides detailed explanations of concepts relevant to the course through Glossary. It contains a list of frequently used terminologies along with its detailed explanation. Glossary defines the key terms.

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GLOSSARY OF
TERMS

7. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

8. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

9. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assignments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

10. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's

finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 5 years:

- **2014**

1. Best Postsecondary Learning Solution

- **2015**

1. Best Education Solution
2. Best Virtual Learning Solution
3. Best Student Assessment Solution
4. Best Postsecondary Learning Solution
5. Best Career and Workforce Readiness Solution
6. Best Instructional Solution in Other Curriculum Areas
7. Best Corporate Learning/Workforce Development Solution

- **2016**

1. Best Virtual Learning Solution
2. Best Education Cloud-based Solution
3. Best College and Career Readiness Solution
4. Best Corporate / Workforce Learning Solution
5. Best Postsecondary Learning Content Solution
6. Best Postsecondary LMS or Learning Platform
7. Best Learning Relationship Management Solution

- **2017**

1. Best Overall Education Solution
2. Best Student Assessment Solution
3. Best Corporate/Workforce Learning Solution
4. Best Higher Education LMS or Learning Platform

- **2018**

1. Best Higher Education LMS or Learning Platform
2. Best Instructional Solution in Other Curriculum Areas

3. Best Learning Relationship Management Solution

11. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

Syllabus

Chapter 1: Access Control

- Access Control Overview
- Identification and Authentication Techniques
- Access Control Techniques
- Authorization Mechanisms
- Identity and Access Provisioning Life Cycle
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 2: Access Control Attacks and Monitoring

- Understanding Access Control Attacks
- Preventing Access Control Attacks
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 3: Secure Network Architecture and Securing Network Components

- OSI Model

- Secure Network Components
- Cabling, Wireless, Topology, and Communications Technology
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 4: Secure Communications and Network Attacks

- Network and Protocol Security Mechanisms
- Virtual Private Network
- Remote Access Security Management
- Network Address Translation
- Switching Technologies
- WAN Technologies
- Virtualization
- Miscellaneous Security Control Characteristics
- Manage Email Security
- Secure Voice Communications
- Security Boundaries

- Network Attacks and Countermeasures
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 5: Security Governance Concepts, Principles, and Policies

- Security Management Planning
- Security Governance
- Security Roles and Responsibilities
- Protection Mechanisms
- Privacy Requirements Compliance
- Control Frameworks: Planning to Plan
- Security Management Concepts and Principles
- Develop and Implement Security Policy
- Change Control/Management
- Data Classification
- Summary
- Exam Essentials

- Review All the Key Topics

Chapter 6: Risk and Personnel Management

- Manage Third-Party Governance
- Risk Management
- Manage Personnel Security
- Develop and Manage Security Education, Training, and Awareness
- Manage the Security Function
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 7: Software Development Security

- Application Issues
- Databases and Data Warehousing
- Data/Information Storage
- Knowledge-Based Systems
- Systems Development Controls

- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 8: Malicious Code and Application Attacks

- Malicious Code
- Password Attacks
- Application Attacks
- Web Application Security
- Reconnaissance Attacks
- Masquerading Attacks
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 9: Cryptography and Symmetric Key Algorithms

- Historical Milestones in Cryptography
- Cryptographic Basics
- Modern Cryptography

- Symmetric Cryptography
- Cryptographic Life Cycle
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 10: PKI and Cryptographic Applications

- Asymmetric Cryptography
- Hash Functions
- Digital Signatures
- Public Key Infrastructure
- Asymmetric Key Management
- Applied Cryptography
- Cryptographic Attacks
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 11: Principles of Security Models, Design, and Capabilities

- Understand the Fundamental Concepts of Security Models
- Objects and Subjects
- Understand the Components of Information Systems Security Evaluation Models
- Understand Security Capabilities Of Information Systems
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 12: Security Architecture Vulnerabilities, Threats, and Countermeasures

- Computer Architecture
- Avoiding Single Points of Failure
- Distributed Architecture
- Security Protection Mechanisms
- Common Flaws and Security Issues
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 13: Security Operations

- Security Operations Concepts
- Resource Protection
- Patch and Vulnerability Management
- Change and Configuration Management
- Security Audits and Reviews
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 14: Incident Management

- Managing Incident Response
- Implement Preventive Measures Against Attacks
- Understand System Resilience and Fault Tolerance
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 15: Business Continuity Planning

- Planning for Business Continuity
- Project Scope and Planning
- Business Impact Assessment
- Continuity Planning
- BCP Documentation
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 16: Disaster Recovery Planning

- The Nature of Disaster
- Recovery Strategy
- Recovery Plan Development
- Training and Documentation
- Testing and Maintenance
- Categories of Laws
- Summary

- Exam Essentials
- Review All the Key Topics

Chapter 17: Laws, Regulations, and Compliance

- Laws
- Compliance
- Contracting and Procurement
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 18: Incidents and Ethics

- Investigations
- Major Categories of Computer Crime
- Incident Handling
- Ethics
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 19: Physical Security Requirements

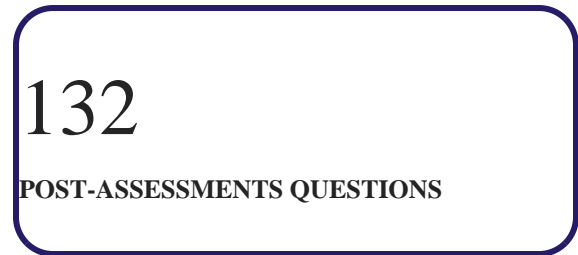
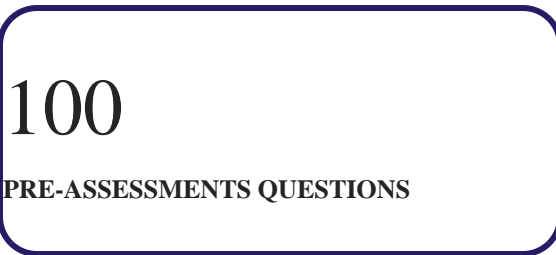
- Site and Facility Design Considerations
- Forms of Physical Access Controls
- Technical Controls
- Environment and Life Safety
- Equipment Failure
- Privacy Responsibilities and Legal Requirements
- Summary
- Exam Essentials
- Review All the Key Topics

Chapter 20: Appendix A

12. Practice Test

uCertify provides full length practice tests. These tests closely follow the exam objectives and are designed to simulate real exam conditions. Each course has a number of test sets consisting of hundreds of items to ensure that learners are prepared for the certification exam.

Here's what you get



Features

Full Remediation

Each question comes with detailed remediation explaining not only why an answer option is correct but also why it is incorrect.

Unlimited Practice

Each test can be taken unlimited number of times until the learner feels they are prepared. Learner can review the test and read detailed remediation. Detailed test history is also available.

Learn, Test and Review Mode

Each test set comes with learn, test and review modes. In learn mode, learners will attempt a question and will get immediate feedback and complete remediation as they move on to the next question. In test mode, learners can take a timed test simulating the actual exam conditions. In review mode, learners can read through one item at a time without attempting it.

13. Post-Assessment

After completion of the uCertify course Post-Assessments are given to students and often used in conjunction with a Pre-Assessment to measure their achievement and the effectiveness of the exam.

Have Any Query? We Are Happy To Help!

GET IN TOUCH:

■ Contact No

■ Email: sales@ucertify.com

■ www.uCertify.com