



C)ISSO: Information Systems Security Officer

Course ID #: 7000-773-ZZ-Z

Hours: 35

Course Content

Course Description:

If you are looking for the "gotta have it" cybersecurity course, then the Certified Information Systems Security Officer is for you. The C)ISSO will prepare you with a broad range of knowledge and skills required of a security officer. However, these skills can be applied across a broad range of role-based careers.

A C)ISSO is able to implement and maintain cost-effective security controls that are closely aligned with business and industry standards. The C)ISSO certification course is an ideal way to increase knowledge, expertise, and skill for managers, auditors, and INFOSEC professionals. The things you learn in this course can be applied to management, prevention teams, and recovery professionals.

Course Objectives:

Upon successful completion of this course, students will not only be able to establish industry-acceptable Cyber Security & IS management standards with current best practices but also be prepared to competently take the CISSO exam.

Prerequisites:

- C)SP
- C)ISSM
- 12 months of Information Systems Management Experience

Target Audience:

- IS Security Officers
- IS Managers
- Risk Managers
- Auditors
- Info Systems Owners
- IS Control Assessors
- System Managers
- Government Employees



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Topics:

Module 1 – Risk Management

- Risk Definitions
- Risk Management
- Risk Assessment
- Responding to Risk

Module 2 – Security Management

- Understanding Security
- Information Security Management System
- Roles and Responsibility
- Security Frameworks
- Human Resources

Module 3 – Identification and Authentication

- Identity Management
- Authentication Techniques
- Single Sign-on
- Access Control Monitoring

Module 4 – Access Control

- Access Control Types and Characteristics
- Information Classification
- Access Control Models and Techniques
- Access Control Methods

Module 5 – security Models and Evaluation Criteria

- Trusted Computing Base
- Protection Mechanisms
- Security Models
- Evaluation Criteria

Module 6 – Operations Security

- Administrative Management Responsibilities
- Product Implementation Management
- Redundancy and Fault Tolerance
- Operational Issues and Responses
- Threats to Operations

Module 7 – Symmetric Cryptography and Hashing

- Cryptography Terms
- Historical Uses of Cryptography
- Cryptography Foundations
- Modern Cryptography
- Hashing

Module 8 – Asymmetric Cryptography and PKI

- Asymmetric Cryptography
- Hybrid Crypto and Digital Signatures
- Public Key Infrastructure
- Cryptography in Use
- Attacks on Cryptography

Module 9 – Network Connections

- Network and Communications Security
- Topologies
- Cabling
- LAN and WAN

Module 10 – Network Protocols and Devices

- OSI Model
- Network Devices
- Network Security Sentries
- Ports, Protocols and Services

Module 11 – Telephony, VPNs and Wireless

- Telephony
- VPNs
- Wireless
- Network Based Attacks

Module 12 – Security Architecture and Attacks

- Security Architecture
- Architectural Models
- System Threats



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Module 13 – Software Development Security

- Software Security Concerns
- Software Lifecycle Development Processes
- Web Application Security
- PCI-DSS Compliance

Module 14 – Database Security

- Database Models & Terminology
- Database Security Issues
- Artificial Intelligence

Module 15 – Malware and Attacks

Module 16 – Business Continuity

- Project Initiation
- Business Impact Analysis
- Determining Recovery Strategies
- Writing the Plan
- Preparing for a Disaster
- Introduction to Business Continuity Management

Module 17 – Incident Management, Law and Ethics

- Incident Management
- Law
- Computer Crime
- Evidence Handling
- Privacy Legislations
- Ethics

Module 18 – Physical Security

- Facility Location and Construction
- Risks, Threats and Countermeasures
- Perimeter Protection
- Electrical Power Issues
- Fire Prevention, Detection and Suppression

Labs: None.

Accreditations:



Register for this class by visiting us at:

www.tcworkshop.com or calling us at 800-639-3535