Certified Information Systems Auditor

Security concepts, tools, and best-practice frameworks

A practical, student-friendly outline covering the Audit Process, audit Governance and Compliance, system Infrastructure, Project Management, ...

MODULES
7

LESSONS
74

FORMAT
Self-paced

Module Breakdown

MODULE 1

The Audit Process
Introduction
Audit Process
Auditing Standards
Auditing Guidelines
Cobit Model
Audit Management
Internal Control Classifications
Planning
Program
Evidence
Audit Control Evaluation
CSA Control Self-Assessment

MODULE 2

Audit Governance and Compliance
IT Governance
Governance & Security Policies
Outsourcing & Governance
Outsourcing & Globalization
Organizational Compliance
IT Strategy
IT Performance

Module Breakdown (continued)

MODULE 3

System Infrastructure, Project Management, and Testing

System & Infrastructure Requirements
Project Management Tools - Part 1
Project Management Tools - Part 2
Applications
Agile Development
Monitoring & Controlling
Acquisition Process
Testing Process
Information Systems Maintenance Practices
Data Conversion Tools

MODULE 4

Media Disposal, Reviews, and System Maintenance

Media Disposal Process
Post Implementation Review
Periodic Review
System Maintenance

MODULE 5

IT Service Level Management

IT Service Delivery and Support
How to Evalutate Service Level Management Practices
Operations Management
Databases
Structured Query Language (SQL)
Monitoring Performance
Source Code and Perfomance Monitoring
Patch Management
Incident Management
Hardware Component Types
Network Component Types

MODULE 6

Auditor Technical Overview

IS Auditor Technical Overview
Security Design
Monitoring Systems
Types of Attacks
Cryptography
Encryption
Asymmetric Encryption
Digital Certificate
Different Kinds of Attacks
Access Controls
Identification and Authenication
Physical Access Exposure
Environmental Security
Network Security Devices and Network Components
Network Address Translation
Virtual Private Networks (VPNs)
Voice System Risks
Intrusion Detection

MODULE 6

Auditor Technical Overview (continued)

Firewalls
Firewall Implementation
Network Access Protection
HoneyPot
Risks to Portable and Wireless Devices
Bluetooth
OSI Networking
Managing Data

MODULE 7

Business Continuity and Disaster Recovery

Business Continuity and Disaster Recovery
Fault Tolerance
Business Continuity and Disaster Recovery Regulations