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Certified Information Systems Auditor (CISA)

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 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 Evaluate Service Level Management Practices
Operations Management
Databases
Structured Query Language (SQL)
Monitoring Performance
Source Code and Performance 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 Authentication
Physical Access Exposure
Environmental Security
Network Security Devices and Network Components
Network Address Translation
Virtual Private Networks (VPNs)
Voice System Risks
Intrusion Detection
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

