

CISA - Certified Information Systems Auditor

Course Outline

Domain 1: Information System Auditing Process

- Planning
 - IS Audit Standards, Guidelines and Codes of Ethics
 - Business Processes
 - Types of Controls
 - Risk-based Audit Planning
 - Types of Audits and Assessments
- Execution
 - Audit Project Management
 - Sampling Methodology
 - Audit Evidence Collection Techniques
 - Data Analytics
 - Reporting and Communication Techniques
 - Quality Assurance and Improvement of the Audit Process

Domain 2: Governance and Management of IT

- IT Governance and IT Strategy
 - IT-related Frameworks
 - IT Standards, Policies and Procedures
 - Organizational Structure
 - Enterprise Architecture
 - Enterprise Risk Management
 - Maturity Models
 - Laws, Regulations and Industry Standards Affecting the Organization
- IT Management
 - IT Resource Management
 - IT Service Provider Acquisition and Management
 - IT Performance Monitoring and Reporting
 - Quality Assurance and Quality Management of IT

Domain 3: Information Systems Acquisition, Development and Implementation

- Information Systems Acquisition and Development
 - Project Governance and Management
 - Business Case and Feasibility Analysis
 - System Development Methodologies

- Control Identification and Design
- Information Systems Implementation
 - Testing Methodologies
 - Configuration and Release Management
 - System Migration, Infrastructure Deployment and Data Conversion
 - Post-implementation Review

Domain 4: IS Operations and Business Resilience

- Information Systems Operations
 - Common Technology Components
 - IT Asset Management
 - Job Scheduling and Production Process Automation
 - System Interfaces
 - End-user Computing
 - Data Governance
 - Systems Performance Management
 - Problem and Incident Management
 - Change, Configuration, Release and Patch Management
 - IT Service Level Management
 - Database Management
- Business Resilience
 - Business Impact Analysis
 - System Resiliency
 - Data Backup, Storage and Restoration
 - Business Continuity Plan
 - Disaster Recovery Plans

Domain 5: Information Asset Security and Control

- Information Asset Security Frameworks, Standards and Guidelines
 - Privacy Principles
 - Physical Access and Environmental Controls
 - Identity and Access Management
 - Network and End-point Security
 - Data Classification
 - Data Encryption and Encryption-related Techniques
 - Public Key Infrastructure
 - Web-based Communication Technologies
 - Virtualized Environments
 - Mobile, Wireless and Internet-of-things Devices
- Security Event Management
 - Security Awareness Training and Programs
 - Information System Attack Methods and Techniques
 - Security Testing Tools and Techniques
 - Security Monitoring Tools and Techniques
 - Incident Response Management
 - Evidence Collection and Forensics