

## CISA Course Outline

### General Information About the Exam

- About the CISA Exam
- Answering Questions
- Exam Scoring
- Certification Steps
- Example Questions

### 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: Protection of Information Assets (Security and Controls)**

- 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