



## Course Outline

### Summary

The Certified Information Systems Auditor® (CISA®) certification is the globally recognized gold standard for IS audit, control, and assurance, in demand and valued by leading global brands. It's often a mandatory qualification for employment as an IT auditor. CISA holders have validated ability to apply a risk-based approach to planning, executing and reporting on audit engagements.

#### Course Information:

- 2-4 Days
- Approximately 22 hours

#### Exam Duration:

- 150 questions
- Must be completed in 4 hours

#### Experience Required:

- 5+ years of information systems auditing, control, or security work

#### CPE Overview:

- To maintain your CISA, you must earn and report a minimum of 120 CPE hours every 3-year reporting cycle and at least
- 20 hours annually. CISA awards up to 1 hour of CPE for every 1 hour of instructor led training. Online review course earns
- 28 CPEs and Virtual Instructor-Led Training (VILT) earns 14 CPEs.

### Learning Domains

#### Domain 1. Information Systems Auditing Process

##### A. Planning

- IS Audit Standards, Guidelines and Codes of Ethics
- Business Process Types of Controls
- Risk-based Audit Planning
- Types of Audits and Assessments

##### B. 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**

### **A. 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

### **B. 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**

### **A. Information Systems Acquisition and Development**

- Project Governance and Management
- Business Case and Feasibility Analysis
- System Development Methodologies
- Control Identification and Design Organization

### **B. Information Systems Implementation**

- Testing Methodologies
- Configuration and Release Management
- System Migration, Infrastructure Deployment and Data Conversion
- Post-implementation Review

## **Domain 4. Information Systems Operations and Business Resilience**

### **A. 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
- Control Identification and Design Organization

### **C. Business Resilience**

- Business Impact Analysis
- System Resiliency
- Data Backup, Storage and Restoration
- Business Continuity Plan
- Disaster Recovery Plans

### **B. 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

## **Domain 5: Protection of Information Assets**

### **A. 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



**ISACA GLOBAL**  
1700 E. Golf Road | Suite 400  
Schaumburg, IL 60173 | USA

[isaca.org](http://isaca.org)

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