

Certified Information Systems Auditor (CISA)

Introduction

Certified Information System Auditor (CISA) certification is a foundation for a successful IT career.

If you are an entry-level to mid-career professional, the CISA training course is ideal for entry-level to mid-career professionals. It demonstrates your expertise and validates your ability to apply a risk-based approach to planning, executing, and reporting on audit engagement projects.

Moreover, with CISA certification aboard, you get the opportunity to gain instant credibility in your interactions with internal stakeholders, regulators, external auditors, and customers.

Course Highlights

This course teaches you about core aspects such as:

- Vulnerability assessment and identification
- Information Systems Audit and assurance guidelines
- Auditing Information Systems
- Governance and IT management
- Information Systems acquisition development and implementation
- Information Systems operations maintenance and service management
- Information asset protection

Course Outline

MODULE 1: INFORMATION SYSTEMS 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

MODULE 2: Governance and Management of IT

- IT Governance
- 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

MODULE 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

MODULE 4: INFORMATION SYSTEMS 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 (BIA)
- System Resiliency
- Data Backup, Storage, and Restoration
- Business Continuity Plan (BCP)
- Disaster Recovery Plans (DRP)

MODULE 5: Protection of Information Assets

- 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 (PKI)
- Web-Based Communication Techniques
- Virtualized Environments
- Mobile, Wireless, and Internet-of-Things (IoT) 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
- Supporting Tasks

Prerequisites

- Candidates who wish to take up the Certified Information Systems Auditor (CISA) certification exam should have a minimum of 5 years of work experience in information systems auditing, IT security, and control.
- There can be an experience waiver of up to 3 years from the required 5-year experience by:

- 1 year of information systems experience or 1-year of non-IS auditing experience can be used for the 1-year actual experience required for CISA (out of 5 years)
- 2 year or 4 years Degree can be used as a substitute for 1 or 2 years of experience, respectively
- A Master's degree in IS or IT from a reputed university can be used as a substitute for 1 year of experience required for CISA

Target Audience

Job roles that can take up CISA training include, but are not limited to:

- IT Managers
- Network Architects
- Security Consultants
- Auditing Professionals
- Security Architects
- Security Auditors
- Security Managers
- Security Analysts
- Security Systems Engineers
- Anybody who wants to gain knowledge of the globally recognized CISA information systems auditing process
- Anybody who is looking to create a career in information systems auditing
- Anybody who is looking to clear their CISA Certification Exam

Duration

- 5-days certification course