

Certified Information System Auditor (CISA)

Duration : 5 Days

Course Content

This package course will equip you to handle IS audit assignments through intensive training on the most important topics in IS auditing. Through lecture and workshops, the course provides you with audit and control methodologies that you can apply immediately to any IS audit and system control situation.

Prerequisites

- Basic Knowledge of audit
- Information System Knowledge

Course Objectives

After completing this course, students will be able to:

- Develop conventional and operational audit staff to function as IS auditors to supplement IS audit specialist
- Assist audit executives and senior audit personnel who are in charge of coordinating financial and IS audit function on key fundamental and advanced topics of IS auditing
- Integrate conventional and IS audit staffs to function on a consolidated basis at a very low cost
- Provide CPAs, accountants, and controllers with a solid foundation on IS auditing and internal cost

Who Should Attend

This course is design for Financial and operational auditors, newly appointed and experienced IS auditors, audit executives/supervisors, senior auditors and IS professionals who need to learn IS auditing, CPAs, Controllers, Consultants, quality assurance and Information System/Security professionals.

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Course Outline

- Module 1—CISA: The Process of Auditing Information Systems
 - 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

- Module 2—CISA's Role in IT Governance
 - 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—CISA's Role in Systems and Infrastructure Life Cycle Management
 - Information Systems Acquisition and Development
 - Project Governance and Management
 - Business Case and Feasibility Analysis

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- System Development Methodologies
 - Control Identification and Design
 - Information System Implementation
 - Testing Methodologies
 - Configuration and Release Management
 - System Migration, Infrastructure Deployment, and Data Conversion
 - Post-Implementation Review
- Module 4—CISA's Role in IT Service Delivery and Support
 - Information System Operations
 - Computer Hardware Components and Architectures
 - IT Asset Management
 - 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 (DRPs)
- Module 5—CISA's Role in Protection of Information Assets
 - Information Asset Security and Control
 - Introduction
 - Information Asset Security Frameworks, Standards, and Guidelines
 - Privacy Principles
 - Physical Access and Environmental Controls
 - Identity and Access Management
 - Network and End-point Security

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- Data Classification
- Data Encryption and Encryption-related Techniques
- Public Key Infrastructure (PKI)
- Web-based Communication Technologies
- 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

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