



Introduction to IT Auditing

Course Schedule – Topics & Activities

IT Audit Overview

- IT overview
- IT risks
- General computer controls overview

Control Frameworks

- COSO
- COBIT
- ISO27001

Conducting an IT Audit

- IT audit planning
- Develop the audit program
- Conduct fieldwork
- Reporting Findings

IT Audit Focus Areas

- Objective
- Focus Areas Covered
- Sections Summary

Information Systems Strategy and Planning

- Overview
- IS Budgeting
- IS Staffing
- IS Training

IT Governances

- Overview
- Frameworks, Standards and Leading Practices
- Key Components

Information Security

- General Areas of risks
- Security Policies and Standards
- Security Administration

Information Systems Operations

- Overview
- Job Scheduling
- Performance Monitoring
- Environmental Controls

Relationships with Outsourced Service Providers

- SAS70
- Outsourced Service Provider Selection
- Service Level Agreements

Business Continuity Planning

- Overview
- Business Continuity Planning
- Disaster Recovery Planning
- Data Backup and Recovery

Application Systems

- Overview
- Project Planning and Management
- E-Commerce Overview

Business Process Controls Testing

- Application security controls
- Input controls
- Processing controls
- Output controls

Database Implementation and Support

- Overview
- Key risks
- Main audit steps

Operating Systems

- Overview
- OS acquisition
- OS configuration
- OS administration

Network Support

- Overview
- Network design
- Network configuration
- Network administration
- Network performance monitoring

Hardware Support

- Overview
- Hardware approval and acquisition
- Hardware implementation and testing
- Hardware support and maintenance
- Hardware disposal

Emerging Technologies

- Digital enterprise
- Cloud technology
- Cyber security
- Mobile technology
- Social media
- Data Analytics
- Virtualization

Resources

- IT auditing tools

Course Duration: up to 3.5 days

CPE: up to 32

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