Introduction to IT Auditing

Understanding the ins and outs of constantly changing information technology environments is critical in understanding the roles, responsibilities, and overall success of audit as a function in every industry. A key driver in doing your job effectively today and achieving greater success tomorrow resides in having baseline knowledge of the IT function and its alignment to business strategy, and knowing how information systems impact the organization.

This seminar outlines the concepts of information technology you need to know in order to address the audit concerns in your IT environment. It is a refreshed seminar covering current IT trends, evolving business risks, and revised control frameworks and standards. You will leave this session with a solid foundation in the basics of information technology as they apply to audits and security concerns. The seminar will cover hot topics such as cyber security, cloud computing, and IT considerations for COSO 2013. In addition, we will introduce other frameworks that govern IT controls such as COBIT5 and ISO27001:2013. Taught by practitioners with real-world IT audit experience, this seminar incorporates facilitated discussions, group discussions, and practical exercises for a wide range of IT audit considerations. It is a joint effort between The IIA and Deloitte & Touche.
Course Duration:
3.5 Days

CPE Hours Available:
32 CPE

Knowledge Level:
Intermediate

Field of Study:
Auditing

Prerequisites:
None

Advance Preparation:
None

Delivery Format:
Seminar, On-site
Course Outline:

**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