

Course Introduction

This five-day hands-on workshop course is designed for IT auditor who need to update their technical and operational knowledge to audit information technologies and automated business systems. Attendee will learn the controls required when auditing Network Operating Systems (Microsoft Windows and Unix/Linux), Relational Database Management System (RDBMS), TCP/IP Enterprise network, Client/Server and Web Applications including Wireless LAN. In addition, attendee will get the audit checklist and master audit techniques that can be applied to web-based applications and client/server-based applications during audit workshop. Attendee will gain field-tested IT auditing tools for identifying, recording, assessing and evaluating network and system control effectively. Attendees will get template and checklist to improve their audit finding and recommendations.

Course Objectives

- To understand IT audit Roles and Responsibilities (R&R)
- To understand various IT audit standards Audit Organization entry level control
- To learn knowledge to perform audit Data Center and Discovery Recovery Control
- To learn knowledge to perform audit complied to ISACA IS audit standard and guideline
- To learn knowledge to perform audit Application Development Processes (SDLC)
- To learn knowledge to perform audit on Information Technology Infrastructure

Course Highlight

- Free membership for ACIS Alumni
 - Access to the latest information related to the course subjects
 - A life-time class re-sit

Learning Level

- Advanced

Course Duration

- 3 Days

Prerequisites

- IT Audit Fundamental & Concept for IT Auditor Course
- Background knowledge on IT system

Target Group

- Internal/External IT Auditor
- IT professional/specialist
- Information Security professional/specialist

Course Outline

Module 1 : IT audit review

- Understand ISACA IS audit standard and guideline
- Understand IT assurance using CobiT Framework
- Understand COSO ERM
- Understand International standard (ISO/IEC 27001:2013, ISO/IEC 20000:20011, ISO 22301:2012)

Module 2 : Audit Organization Entity level control

- Understand Compliance Audit
- Understand Foundation of Control Environment
- How to audit People and Process

Module 3 : Audit Data Center, Business Continuity (BC) and Discovery Recovery (DR) Control

- Understand Data center environment
- Understand Physical security control
- Understand Business Continuity and Disaster recovery
- How to audit Data Center, BC and DR Controls

Module 4 : Audit Network and Security system

- Understand Local Area Network (LAN)
- Understand Router
- Understand Ethernet Switch
- Understand Firewall
- Understand IDS/IPS
- Understand VPN
- Understand Wireless LAN
- How to audit LAN and WAN
- How to audit Firewall, IDS/IPS, VPN
- How to audit Wireless LAN

Module 5 : Audit Operating System

- Understand Microsoft Windows O/S
- Understand Unix/Linux O/S
- How to audit Microsoft Windows O/S
- How to audit Linux O/S

Module 6 : Audit Web server and Web application

- Understand Web server (Apache, Microsoft IIS)
- Understand Web Application technology
- Understand Web application security based on Open Web Application Security Project (OWASP)
- Understand Web Services and Web 2.0 Technology
- How to audit web server and web application

Module 7 : Audit Databases system

- Understand RDBMS from auditor point of view
- Understand RDBMS Vulnerabilities and Threats
- How to audit RDBMS security

Module 8 : Audit Application Development Processes (SDLC)

- Understand Software Development Life Cycle
- Understand Security control on SDLC process
- How to audit Application Development Process

Recommended Courses

- CISA : CISA Examination Preparation Program (CISA Certification)
- CISA-BC : CISA Examination Boot camp

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