IT Audit for Non-IT Auditors

1 – 5 February 2027
Brussels (Belgium)



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Introduction

In today's technology-driven business environment, understanding how IT systems support operations, security, and compliance is essential for every internal auditor — even those without a technical background.

The IT Audit for Non-IT Auditors course is designed to bridge the knowledge gap between traditional auditing and information technology.

It equips participants with the practical skills to assess IT controls, evaluate system risks, and ensure data integrity within digital infrastructures.

By combining theory with hands-on applications and case studies, this course empowers auditors to confidently conduct IT-related reviews and align audit findings with organizational governance objectives.

Participants will learn how to identify system vulnerabilities, evaluate cybersecurity practices, and integrate IT considerations into their audit planning and reporting.

Course Objectives

By the end of this course, participants will be able to:

- Understand the fundamental concepts of IT systems and their role in organizational performance.
- Recognize the relationship between IT environments and internal audit processes.
- Identify technology-related risks and evaluate their impact on business operations.
- Assess the adequacy and effectiveness of IT controls.
- Apply audit techniques and data analysis tools for IT assurance activities.
- Interpret IT governance principles and their relevance to internal audit.
- Develop audit programs that integrate technology risk assessment.
- Prepare professional audit reports addressing IT-related findings and recommendations.



Course Outlines

Day 1: Understanding IT Environments and Auditor Roles

- Overview of IT architecture and key components applications, networks, databases.
- Relationship between IT systems and business processes.
- The auditor's role in reviewing IT environments.
- Key IT risks affecting internal control frameworks.
- Understanding data flows and information processing.
- Practical exercise: Analyzing an organizational IT landscape.

Day 2: IT Controls and Cybersecurity Essentials

- Introduction to general and application controls.
- Access control management and segregation of duties.
- IT security fundamentals and common vulnerabilities.
- Data protection, encryption, and privacy principles.
- Assessing compliance with cybersecurity policies.
- Case study: Evaluating a security breach and identifying root causes.

Day 3: IT Audit Tools, Techniques, and Data Analytics

- Steps in planning and executing an IT audit.
- Using data analytics in auditing processes.
- Sampling methods and automated testing.
- Techniques for reviewing databases, applications, and system logs.
- Using tools to detect fraud and irregularities in electronic data.
- Workshop: Performing an IT audit simulation using sample data.

Day 4: Risk Assessment and Reporting in IT Audits

- Conducting IT risk assessments aligned with business objectives.
- Mapping controls to specific risks and identifying gaps.
- Evaluating the effectiveness of preventive and detective controls.
- Writing clear, actionable audit findings.
- Reporting IT audit results to management and audit committees.
- Group activity: Preparing a complete IT audit report.



Day 5: IT Governance, Compliance, and Continuous Improvement

- Understanding IT governance frameworks and standards.
- Aligning IT audit activities with corporate governance principles.
- Enhancing collaboration between audit and IT teams.
- Continuous monitoring and improvement of IT controls.
- Measuring IT audit performance through KPIs.
- Final workshop: Designing a roadmap for IT audit maturity improvement.

Why Attend This Course? Wins & Losses!

- Gain a solid understanding of IT environments without needing a technical background.
- Build confidence in evaluating IT systems and identifying control weaknesses.
- Learn how to apply data analytics and audit automation tools effectively.
- Strengthen collaboration between the audit and IT departments.
- Improve audit quality through a structured risk-based approach.
- Enhance professional credibility and open pathways for career advancement.
- Acquire globally relevant IT audit competencies aligned with best practices.
- Develop practical skills for auditing cybersecurity and digital systems.

Conclusion

The IT Audit for Non-IT Auditors course is an essential learning experience for professionals aiming to adapt to the realities of digital transformation.It enables auditors to understand the language of technology, assess IT controls effectively, and contribute meaningfully to risk management and governance.

By combining structured learning with real-world applications, this course prepares participants to navigate the intersection between IT systems and internal auditing with confidence.In a world where digital processes drive business success, mastering IT auditing is no longer optional — it's a strategic necessity for every modern auditor.

