

Technology Auditing Foundation

*Cape Town (South Africa)*

*27 - 31 January 2025*

UK Training

**PARTNER**

## Technology Auditing Foundation

Code: QM28 From: 27 - 31 January 2025 City: Cape Town (South Africa) Fees: 3300 Pound

### Introduction

As digital transformation accelerates, the significance of technology auditing has never been greater. This course is designed to empower professionals with the advanced skills and techniques necessary for auditing and evaluating technology systems. Participants will learn to ensure compliance, maintain data integrity, and optimize operational efficiency. Through hands-on experience, they will assess digital infrastructures, identify vulnerabilities, and recommend enhancements aligned with the latest technological advancements. The curriculum incorporates current industry standards and frameworks, providing a comprehensive understanding of technology auditing practices tailored for today's dynamic digital landscape.

### Course Objectives

- Grasp the fundamentals of technology auditing and its importance in contemporary organizations.
- Evaluate and assess information systems, cybersecurity measures, and technology infrastructures.
- Identify potential risks, vulnerabilities, and inefficiencies within technological environments.
- Utilize advanced tools and techniques for conducting thorough technology audits.
- Offer actionable recommendations to improve compliance, security, and operational performance.
- Implement industry-leading frameworks such as COBIT, ISO, and NIST in auditing practices.
- Stay informed about emerging trends in technology auditing, including the impacts of AI, cloud computing, and blockchain.

### Course Outlines

#### Day 1: Foundations of Technology Auditing

- Introduction to Technology Auditing
- Key Components and Objectives of an Audit
- The Role of Technology Auditors in a Digital Landscape
- Overview of Industry Standards: COBIT, ISO 27001, NIST

#### Day 2: Risk Management and Information Security Auditing

- Identifying and Assessing Risks in Technology Systems
- Cybersecurity Auditing Techniques
- Audit Planning: Scope, Objectives, and Methodologies
- Case Study: Analyzing Real-World Cybersecurity Failures

#### Day 3: Auditing Emerging Technologies

- The Impact of AI, Machine Learning, and Blockchain on Auditing

The logo for UK Training Partner features the text 'UK Training' in a smaller font above the word 'PARTNER' in a large, bold, black font. The background of the logo is a stylized chessboard with several chess pieces (a king, a queen, and a pawn) in gold and silver, set against a background of concentric white circles.

- Auditing Cloud Computing Environments
- Auditing IoT and Edge Computing Infrastructures
- Tools and Techniques for Auditing Emerging Technologies

#### Day 4: Compliance, Data Privacy, and Legal Considerations

- Understanding Legal and Regulatory Requirements GDPR, HIPAA, etc.
- Data Privacy and Protection Audits
- Ensuring Compliance in Technology Infrastructures
- Case Study: Data Privacy Auditing in Large Organizations

#### Day 5: Reporting, Recommendations, and Continuous Improvement

- Audit Reporting: Best Practices for Clear and Actionable Findings
- Formulating Recommendations to Enhance Technology Systems
- Continuous Improvement in Technology Auditing
- Future Trends in Technology Auditing and Career Pathways

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