



Audit, Risk and Governance

Emerging Technology Risk, Governance, and Compliance Audit

Course Introduction

As organizations rapidly adopt emerging technologies such as artificial intelligence, blockchain, cloud computing, and the Internet of Things (IoT), internal auditors face new challenges in evaluating risk, governance, and compliance. This course provides audit professionals with the knowledge and tools to effectively assess and audit these technologies, ensuring organizational readiness, risk mitigation, and regulatory compliance. The course bridges the gap between technical innovation and sound audit practices.

Target Audience

- Internal and IT auditors
- Risk and compliance professionals
- Audit managers and executives
- Governance and assurance professionals
- Cybersecurity auditors

Learning Objectives

- Understand key emerging technologies and their implications for risk and control.
- Identify and evaluate the unique risks associated with emerging technologies.
- Apply governance and compliance frameworks to new tech environments.
- Develop audit plans and procedures tailored to tech-driven processes.
- Communicate risks and findings to stakeholders in a clear and informed manner.

Course Outline

• DAY 01

Module 1: Introduction to Emerging Technologies

- Overview of AI, blockchain, IoT, RPA, cloud computing, and quantum computing
- Adoption trends and business use cases
- Strategic risks and opportunities

• Day 02

Module 2: Risk Landscape in Emerging Technologies

- Cybersecurity risks
- Data privacy and protection
- Operational and third-party risks
- Risk assessment models for new technologies

• Day 03

Module 3: Governance Considerations

- Tech governance frameworks (e.g., COBIT, ISO, NIST)
- IT governance maturity models
- Roles of management, boards, and auditors in technology oversight

Module 4: Compliance and Regulatory Expectations

- Key compliance concerns
- Aligning audit with regulatory requirements
- Legal and ethical considerations in automation and AI

• Day 04

Module 5: Auditing Emerging Technologies

- Audit planning for emerging tech environments
- Control objectives and audit checklists for specific technologies
- Use of data analytics and automation in auditing
- Case studies: auditing AI, cloud, and blockchain environments

• Day 05

Module 6: Reporting and Communication

- Effective communication of technical risk to non-technical stakeholders
- Reporting on emerging risks
- Recommendations for risk mitigation and compliance improvement

Module 7: Future Trends and Auditor Readiness

- What's next in emerging tech
- Continuous learning and skill development
- Building agile audit teams for evolving technologies

Confirmed Sessions

| FROM | TO | DURATION | FEES | LOCATION |
|---------------|----------------|----------|------------|------------------|
| July 21, 2025 | July 25, 2025 | 5 days | 2150.00 \$ | Virtual - Online |
| Sept. 8, 2025 | Sept. 12, 2025 | 5 days | 4250.00 \$ | UAE - Dubai |
| Nov. 3, 2025 | Nov. 7, 2025 | 5 days | 4250.00 \$ | UAE - Dubai |