# Effective IT Audit and Compliance Management Training Course



07 - 11 Dec 2026

Boston

7500 € (Per Person)

Ref: #IT8524_48804

## Course Introduction / Overview:

In a rapidly evolving digital landscape, effective IT audit and compliance management are crucial for ensuring the integrity, security, and reliability of an organization's systems. This Effective IT Audit and Compliance Management Training Course is designed to equip professionals with the knowledge to manage these complex responsibilities. The course provides a deep dive into the principles of IT auditing, including risk assessment, control testing, and reporting. We will cover key compliance frameworks such as ISO 27001, COBIT, and NIST, and explore how to apply them to real-world scenarios. Participants will gain a clear understanding of how to build an audit plan that aligns with business objectives and regulatory requirements. The course also draws on academic insights, including the principles outlined in "Information Technology Control and Audit" by Sandra Senft and Nancy A. Mack, which provides a comprehensive overview of the field. BIG BEN Training Center believes that a strong foundation in IT audit and compliance is essential for mitigating risk and building stakeholder trust. This training is crucial for anyone responsible for the security and governance of their organization’s IT assets.

## Target Audience / This training course is suitable for:

- IT Auditors and Information Systems Auditors.
- Compliance and Risk Management Officers.
- IT Directors and Managers.
- Internal and External Auditors.
- Cybersecurity Professionals.
- Quality Assurance Managers.

## Target Sectors and Industries:

- Financial services.
- Healthcare.
- Government agencies.
- Manufacturing.
- Technology and software.
- Public and private sectors.

## Target Organizations Departments:

- Internal Audit.
- Information Technology.
- Compliance and Legal.
- Risk Management.
- Cybersecurity.
- Quality Assurance.

## Course Offerings:

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

- Develop a risk-based IT audit plan.
- Conduct effective IT audits of systems and processes.
- Evaluate IT controls and security measures.
- Ensure compliance with key regulatory frameworks and standards.
- Report audit findings and recommendations to management.
- Implement continuous monitoring and auditing techniques.
- Manage the IT audit lifecycle from planning to reporting.

## Course Methodology:

The training methodology for this course at BIG BEN Training Center is highly practical and hands-on. We use a variety of teaching methods to ensure that participants not only understand the concepts but can apply them directly in their work. The course includes detailed case studies of real-world IT audit scenarios, from financial system audits to cybersecurity assessments. Participants will engage in collaborative workshops and exercises where they will practice risk assessment, control testing, and developing audit reports. Interactive sessions will encourage discussions on best practices and the latest trends in IT governance and compliance. The course is designed to be a collaborative learning environment, preparing attendees to handle the complexities of modern IT audit with confidence. Our goal is to empower IT professionals to become strategic partners who can effectively manage and mitigate organizational risk.

## Course Agenda (Course Units):

### Unit One: Foundations of IT Audit and Governance.

- Defining IT audit and its strategic role.
- Understanding IT governance frameworks (COBIT).
- The IT audit process and its phases.
- Risk-based audit planning.
- Roles and responsibilities of an IT auditor.
- Ethical considerations in auditing.
- Auditing in a modern IT environment.

### Unit Two: Auditing IT General Controls.

- Understanding IT general controls (ITGCs).
- Auditing data center and network operations.
- Change management and access control auditing.
- System development and maintenance auditing.
- Business continuity and disaster recovery planning.
- Evaluating physical and environmental security.
- Auditing system backups and recovery.

### Unit Three: Auditing Application Controls.

- Understanding and testing application controls.
- Auditing data input, processing, and output.
- Ensuring data integrity and accuracy.
- Auditing e-commerce and financial systems.
- The role of automated controls.
- Auditing access rights and segregation of duties.
- Using CAATs (Computer Assisted Audit Techniques).

## Unit Four: IT Compliance and Regulatory Auditing.

- Overview of key compliance frameworks (ISO 27001, NIST, SOC 2).
- Auditing for compliance with data privacy regulations (GDPR, CCPA).
- Auditing for industry-specific regulations (HIPAA, PCI DSS).
- Developing a compliance audit plan.
- Managing relationships with external auditors.
- Reporting on compliance.
- Continuous monitoring for compliance.

## Unit Five: Emerging Technologies and Future of IT Audit.

- Auditing cloud computing environments.
- Auditing emerging technologies (AI, blockchain, IoT).
- The role of data analytics in auditing.
- Automated and continuous auditing.
- Auditing for third-party risk.
- Developing an agile audit approach.
- The future of the IT audit profession.

# FAQ:

### Qualifications required for registering to this course?

There are no requirements.

### How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

## Something to think about:

In a landscape of rapid technological change, how can IT auditors ensure their skills and methodologies remain relevant and effective for assessing emerging technologies like artificial intelligence and blockchain?

## What unique qualities does this course offer compared to other courses?

This training course provides a highly practical and specialized approach to IT audit and compliance management. While other programs may cover general auditing principles, this curriculum is meticulously crafted to address the unique challenges of the IT domain, including cybersecurity risks, data privacy regulations, and complex IT governance frameworks. We move beyond generic concepts to focus on real-world applications and hands-on skills, using case studies and exercises to illustrate how to plan, execute, and report on IT audits effectively. This course also distinguishes itself by addressing the auditing of emerging technologies, preparing professionals for the challenges of today and tomorrow. BIG BEN Training Center's approach is to empower attendees to become strategic auditors who not only identify risks but also provide valuable insights to improve organizational performance. This training is essential for anyone who wants to build a successful career in IT governance and security.