IT Auditing and Fraud Detection: Safeguarding Digital Assets

1 – 5 March 2027
Accra (Ghana)



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Ref: 3147_129759 **Date:** 1 – 5 March 2027 **Location:** Accra (Ghana) **Fees:** 4200 GBP

Why This Course

As organizations become increasingly digital, the risks associated with data breaches, cyberattacks, and IT fraud continue to rise. IT professionals must be equipped with advanced auditing skills and fraud detection techniques to safeguard systems, ensure compliance, and protect critical digital assets. Effective IT auditing not only strengthens organizational security but also supports strategic decision-making and long-term resilience.

The IT Auditing & Fraud Detection - Intensive 1-Week Programme is designed for IT auditors, security professionals, and technology leaders who seek to deepen their expertise in identifying vulnerabilities, detecting fraud, and implementing strong governance frameworks. Through real-world case studies, hands-on exercises, and exposure to industry-standard tools, participants will gain the knowledge and confidence needed to conduct comprehensive IT audits and proactively mitigate risks.

What You'll Learn and Practice

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

- Apply IT auditing methodologies and international best practices.
- Detect and prevent IT fraud using advanced analytical and technical techniques.
- Analyze current trends in cybercrime and digital forensics.
- Implement robust IT governance and risk management frameworks.
- Use industry-standard tools for auditing, monitoring, and fraud detection.

The Programme Flow

Day 1: Foundations of IT Auditing

- Understanding principles and standards of IT auditing
- Exploring IT governance frameworks COBIT, ITIL
- Conducting IT risk assessments and applying risk management strategies
- Planning and executing IT audits effectively



Day 2: IT Fraud Detection Techniques

- Identifying common IT fraud schemes and key warning indicators
- Using data analytics to uncover fraud patterns
- Leveraging machine learning and AI for fraud prevention
- Reviewing real case studies of major IT fraud incidents

Day 3: Cybersecurity Auditing

- Assessing network security controls and vulnerabilities
- Auditing application and database security
- Conducting cloud security audits and evaluating service providers
- Performing incident response activities and basic forensic analysis

Day 4: Advanced IT Auditing Topics

- Auditing emerging technologies including IoT and blockchain
- Conducting compliance audits GDPR, PCI DSS, ISO standards
- Applying continuous auditing and automated monitoring techniques
- Writing IT audit reports and communicating findings effectively

Day 5: Practical Application and Future Trends

- Hands-on workshops using leading auditing and fraud detection tools
- Designing and implementing an effective IT audit programme
- Exploring future trends in IT auditing, cybersecurity, and fraud detection
- Completing a final case study and delivering group presentations

Individual Impact

Participants will return with the ability to:

- Conduct comprehensive IT audits and fraud risk assessments.
- Use advanced digital tools to detect suspicious activities.
- Strengthen IT governance and risk management practices.
- Lead audit teams with confidence and communicate findings clearly.

Organizational Impact

Organizations benefit through:

- Stronger protection against IT fraud and cyber threats.
- Improved compliance with regulatory and industry standards.
- Enhanced IT governance and operational transparency.
- Faster detection and mitigation of vulnerabilities and fraud risks.



Training Methodology

This programme blends conceptual learning with practical application through:

- Hands-on lab sessions and tool-based workshops
- Real-life fraud case studies and IT audit simulations
- Facilitator-led discussions and best-practice frameworks
- Collaborative group work and scenario-based exercises

Beyond the Course

Upon completion, participants will be equipped with advanced auditing capabilities, fraud detection skills, and the strategic mindset needed to strengthen cybersecurity and governance across their organizations. They will return ready to implement improved audit practices and proactively safeguard digital environments.

