Fraud Analytics for Internal Auditors (121740)

4 – 8 January 2027
Boston (USA)



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MERCURY

Fraud Analytics for Internal Auditors (121740)

Ref: 121740_1045172 **Date:** 4 – 8 January 2027 **Location:** Boston (USA) **Fees:** 7500 Euro

Introduction

This Fraud Analytics for Internal Auditors course provides an understanding of fraud analytics within internal auditing environments. It focuses on how data-driven techniques enhance fraud detection and strengthen audit effectiveness. Participants will explore modern methods used in fraud risk identification and behavioral anomaly detection. The program highlights how internal audit analytics supports organizational governance and compliance. It builds practical understanding of forensic data analysis tools used in audit environments. Professionals will detect, analyze, and prevent fraudulent activities with confidence.

Targeted Groups

This Fraud Analytics for Internal Auditors training targets professionals seeking knowledge and skills:

- Internal auditors are improving their fraud-detection capabilities.
- Compliance officers managing audit risk assessment.
- Risk management professionals handling fraud risk.
- Financial auditors working with data analysis tools.
- Forensic accounting staff reviewing suspicious transactions.
- Governance professionals ensure internal control strength.
- Audit supervisors leading internal audit analytics teams.
- Professionals in regulatory and compliance environments.

Course Objectives

Participants will achieve the following objectives by completing the Fraud Analytics for Internal Auditors course:

- Understand core principles of fraud analytics in auditing environments.
- Identify fraud patterns using structured internal audit analytics.
- Apply data-driven auditing techniques to assess risk.
- Strengthen fraud risk management within organizational processes.
- Use anomaly detection methods for financial and operational data.
- Improve internal control evaluation using analytical tools.
- Interpret audit data for early fraud identification.
- Enhance decision-making through continuous auditing approaches.
- Build capability in forensic data analysis for investigations.
- Support governance and compliance through audit intelligence.

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Targeted Competencies

Participants will gain the following competencies during the Fraud Analytics for Internal Auditors program:

- Ability to detect fraud using analytical audit techniques and data review.
- Skill in interpreting audit data for anomaly detection and risk signals.
- Competence in fraud risk assessment across financial systems.
- Ability to apply internal audit analytics in real audit environments.
- Skill in evaluating internal controls for fraud prevention.
- Competence in continuous auditing and monitoring processes.
- Ability to conduct forensic data analysis in investigations.
- Skill in linking fraud indicators to operational and financial risks.

Studying Scenarios

In this Fraud Analytics for Internal Auditors training, participants develop skills through the following scenarios:

- Analysis of suspicious financial transactions using audit analytics tools.
- Identification of fraud indicators in procurement and payment systems.
- Detection of data anomalies in internal control environments.
- Review of compliance breaches through structured audit datasets.
- Investigation of operational fraud cases using forensic data review.
- Monitoring continuous audit dashboards for early risk alerts.

Course Content

Unit 1: Foundations of Fraud Analytics in Internal Auditing

- Introduction to fraud analytics in audit environments and its role in governance
- Understanding fraud detection frameworks used in internal auditing
- Overview of internal audit analytics and its application in organizations
- Key principles of fraud risk management and control systems
- Importance of data-driven auditing in modern audit functions
- Relationship between compliance, governance, and fraud prevention

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Unit 2: Fraud Risk Identification and Assessment

- Techniques for identifying fraud risk indicators in business processes.
- Structured fraud risk assessment models for internal auditors.
- Analysis of high-risk areas in financial and operational systems.
- Methods for evaluating internal control weaknesses linked to fraud.
- Risk prioritization techniques for audit planning and execution.
- Mapping fraud exposure across departments and functions.
- Development of fraud risk assessment reports for decision-making.

Unit 3: Data Analytics Techniques for Fraud Detection

- Application of data analytics in fraud detection processes.
- Use of anomaly detection in financial and operational datasets.
- Techniques for pattern recognition in audit data analysis.
- Introduction to continuous auditing and monitoring systems.
- Data extraction and interpretation for audit investigation purposes.
- Linking transactional data to fraud risk indicators.
- Use of analytical models in internal audit environments.

Unit 4: Forensic Analysis and Investigation Methods

- Fundamentals of forensic data analysis in internal auditing.
- Investigation techniques for detecting complex fraud schemes.
- Examination of digital records and audit trails.
- Identification of irregular financial transactions and behaviors.
- Structuring evidence for audit investigations and reporting.
- Use of investigative analytics in fraud case resolution.
- Strengthening audit documentation for compliance purposes.

Unit 5: Continuous Auditing and Fraud Prevention Strategies

- Implementation of continuous auditing in modern organizations.
- Real-time monitoring systems for fraud prevention.
- Integration of audit analytics into enterprise risk management.
- Development of proactive fraud detection strategies.
- Strengthening internal controls through analytical insights.
- Building sustainable fraud prevention frameworks.
- Enhancing organizational resilience through audit intelligence.

Final Insights & Key Takeaways

Fraud analytics transforms internal auditing into a proactive, data-driven discipline focused on early risk detection. Mastering these methods strengthens organizational governance, improves compliance, and enhances the overall effectiveness of fraud prevention.