# AI for Accounting & Auditing

04 - 08 Jul 2027
Online

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

MERCURY

# AI for Accounting & Auditing

**Ref.:** 121907_1057631 **Date:** 04 - 08 Jul 2027 **Location:** Online **Fees:** 2900 **Euro**

## Introduction

Artificial intelligence is transforming accounting and auditing through automation, advanced data analysis, and faster decision-making. This AI for Accounting & Auditing course explores AI applications in financial accounting, management accounting, auditing, risk assessment, fraud detection, and reporting. Participants examine machine learning, generative AI, natural language processing, robotic process automation, and intelligent analytics. The program addresses data quality, model reliability, explainability, privacy, bias, governance, and professional skepticism. It emphasizes using AI to support accountants and auditors while maintaining professional responsibility and judgment. Participants develop knowledge for responsible AI adoption, continuous auditing, and stronger financial decision-making.

## Targeted Groups

This AI for Accounting & Auditing training targets professionals seeking knowledge and skills:

- Accountants seeking AI-enabled accounting capabilities.
- Auditors strengthening data-driven audit practices.
- Finance professionals improving financial analysis and reporting.
- Internal auditors assessing AI-supported controls and risks.
- Audit managers exploring intelligent audit procedures.
- Controllers improving automation and reporting efficiency.
- Compliance professionals evaluating AI governance and controls.
- Accounting analysts using predictive analytics for decisions.
- Finance managers planning responsible AI adoption.
- Professionals preparing for AI-driven accounting transformation.

## Course Objectives

Participants will achieve the following objectives by completing the AI for Accounting & Auditing course:

- Explain artificial intelligence concepts used in accounting and auditing.
- Differentiate machine learning, generative AI, NLP, RPA, and intelligent analytics.
- Identify accounting processes suitable for AI automation and augmentation.
- Evaluate AI applications in bookkeeping, reconciliation, reporting, and financial analysis.
- Assess AI use in audit planning, risk assessment, testing, and anomaly detection.
- Apply analytical thinking to AI-supported fraud detection and continuous auditing.
- Interpret AI-generated outputs using professional skepticism and accounting judgment.
- Evaluate data quality, model limitations, bias, explainability, and reliability.
- Assess privacy, security, governance, and ethical considerations in AI adoption.
- Integrate AI insights into financial reporting and decision-making.
- Recognize risks associated with hallucinations, incomplete data, and model drift.
- Compare traditional and AI-enabled approaches to accounting and audit work.
- Develop criteria for evaluating AI tools against professional requirements.
- Support responsible implementation of AI within accounting and assurance functions.

MERCURY

## Targeted Competencies

Participants will gain the following competencies during the AI for Accounting & Auditing program:

- AI literacy for accounting applications.
- Intelligent financial data analysis.
- AI-assisted financial reporting.
- Automated reconciliation and transaction review.
- Machine learning interpretation for audit analytics.
- Anomaly and fraud pattern identification.
- AI-supported audit risk assessment.
- Generative AI prompt evaluation.
- Professional skepticism toward AI outputs.
- AI governance and control assessment.
- Data quality and privacy evaluation.
- Model bias and explainability assessment.
- Continuous auditing awareness.
- Responsible AI decision-making.
- Technology-enabled accounting process evaluation.

## Real-world Case Studies

In this AI for Accounting & Auditing training, participants develop skills through the following cases:

- Machine learning flags unusual journal entries for targeted audit review.
- AI-assisted reconciliation identifies duplicates, unmatched items, and abnormal balances.
- Generative AI analyzes disclosures while auditors verify evidence and professional judgments.
- Predictive analytics supports cash-flow forecasting and financial planning.
- AI governance reviews assess data quality, privacy, bias, explainability, and accountability.

## Course Content

### Unit 1: AI Foundations for Accounting and Auditing

- Define AI and its relevance to accounting and assurance.
- Distinguish machine learning, deep learning, generative AI, NLP, and RPA.
- Explain AI processing of structured and unstructured financial data.
- Examine AI applications in bookkeeping, reconciliation, reporting, tax, and audit.
- Compare rule-based automation with predictive and generative AI.
- Identify tasks suited for automation, augmentation, and human review.
- Recognize AI impacts on professional roles and decision-making.
- Identify implementation barriers, including fragmented data and limited AI skills.

### Unit 2: AI Applications in Accounting

- Examine AI for transaction processing, reconciliation, and journal analysis.
- Explore intelligent invoice processing and transaction classification.
- Analyze AI-supported financial reporting and disclosure preparation.
- Apply predictive analytics to revenue, expenses, liquidity, and cash flow.
- Evaluate AI-assisted budgeting, variance analysis, and management accounting.
- Examine NLP for contracts, policies, and financial documents.

- Assess generative AI for queries, summaries, narratives, and documentation.
- Explore AI-assisted expense auditing, closing, and working-capital analysis.

### Unit 3: AI for Auditing and Assurance

- Explain AI applications in audit planning, risk assessment, and evidence analysis.
- Examine anomaly detection across complete transaction populations.
- Evaluate machine learning for fraud and unusual behavior detection.
- Explore continuous auditing and real-time control monitoring.
- Analyze AI-assisted testing, confirmations, and audit documentation.
- Assess AI support for going-concern and financial risk analysis.
- Compare traditional audits with AI-enabled audit analytics.
- Examine audit trails for AI-supported procedures and conclusions.

### Unit 4: AI Risks, Governance, and Professional Judgment

- Assess data quality before AI analysis and decision-making.
- Identify bias, model drift, hallucinations, and unreliable outputs.
- Examine explainable AI and transparent professional judgments.
- Evaluate privacy, cybersecurity, access, and confidentiality risks.
- Analyze governance requirements for AI-enabled financial processes.
- Apply professional skepticism to AI recommendations and conclusions.
- Define human oversight, accountability, documentation, and approvals.
- Assess vendor risks, controls, and model change management.

### Unit 5: Strategic AI Adoption in Finance and Audit

- Evaluate strategic business cases for AI adoption.
- Assess AI tools for accuracy, reliability, scalability, and controls.
- Examine AI integration with accounting systems and workflows.
- Analyze organizational readiness, skills, and process redesign.
- Develop frameworks for responsible AI implementation.
- Measure efficiency, accuracy, risk detection, and audit improvements.
- Explore generative AI, intelligent agents, and advanced analytics.
- Monitor AI performance through dashboards and governance metrics.

## Final Insights & Key Takeaways

AI strengthens accounting and auditing through automation, analytics, fraud detection, and decision support. Effective adoption requires reliable data, strong governance, human judgment, and appropriate controls.

Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

MERCURY

## Registration form on the :
## AI for Accounting & Auditing

**code:** 121907 **From:** 04 - 08 Jul 2027 **Venue:** Online **Fees:** 2900 **Euro**

Complete & Mail or fax to Mercury Training Center at the address given below

### Delegate Information

Full Name (Mr / Ms / Dr / Eng):
..................................................................................................................................................
Position:
..................................................................................................................................................
Telephone / Mobile:
..................................................................................................................................................
Personal E-Mail:
..................................................................................................................................................
Official E-Mail:
..................................................................................................................................................

### Company Information

Company Name:
..................................................................................................................................................
Address:
..................................................................................................................................................
City / Country:
..................................................................................................................................................

### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng):
..................................................................................................................................................
Position:
..................................................................................................................................................
Telephone / Mobile:
..................................................................................................................................................
Personal E-Mail:
..................................................................................................................................................
Official E-Mail:
..................................................................................................................................................

### Payment Method

☐ Please invoice me

☐ Please invoice my company