

AI-Enabled Internal Audit (1 Day)

Program Detailed Curriculum

Executive Summary

AI-Enabled Internal Audit, co-developed with The Institute of Internal Auditors (The IIA), equips internal audit professionals to use AI across the audit lifecycle, from risk assessment and planning to reporting, monitoring, and quality review. It covers machine learning, NLP, generative AI, and predictive analytics while reinforcing professional skepticism, evidence quality, and strong documentation.

The program aligns with the Global Internal Audit Standards (2025), including Principle 9 and key Domain V standards, and incorporates ISO/IEC 42001, NIST AI RMF, and the EU AI Act. Its focus is practical application, helping professionals use AI responsibly, validate outputs, and document AI-assisted audit work effectively.

The program focuses on practical, day-to-day application rather than general AI awareness, enabling professionals to use AI effectively, validate its outputs, and document AI-assisted audit work defensibly.

Target Audience and Role Alignment :

This program is designed for internal audit professionals across all levels, including:

- **Internal Auditors, Senior Auditors, and Audit Managers:** To apply practical AI workflows in planning, fieldwork, evidence validation, and reporting. 39% already use AI and 41% plan to adopt it within 12 months [Wolters Kluwer, 2025].
- **Internal Audit Directors and Chief Audit Executives:** To integrate AI into audit methodology, strengthen AI literacy, address EU AI Act Article 4 requirements, and communicate AI risks to boards and audit committees.
- **QAIP and Methodology Leaders:** To review AI-assisted workpapers, conformance, and documentation quality while ensuring audit work remains reviewable and repeatable.

Prerequisites :

- **Internal Audit Fundamentals:** Basic understanding of internal audit purpose, assurance and advisory work, risk-based auditing, controls, evidence, findings, and reporting
- **Audit Lifecycle Awareness:** General familiarity with engagement planning, risk assessment, fieldwork, testing, documentation, communication, and follow-up activities
- **Risk, Governance, and Control Knowledge:** Basic awareness of enterprise risk management, governance, compliance requirements, and control design and effectiveness
- **No Coding Required:** Advanced programming, machine learning, or data science experience is not necessary
- **Responsible AI Mindset:** Willingness to verify AI-generated outputs, exercise professional skepticism, and protect confidential, proprietary, or sensitive audit information

Learning Outcomes :

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

- **Apply AI Across the Audit Lifecycle:** Use AI for risk-based planning, continuous monitoring, testing, NLP-based document review, reporting, and follow-up.
- **Validate AI Outputs and Exercise Skepticism:** Assess AI reliability, identify errors or hallucinations, and verify outputs before use.
- **Apply AI Governance Frameworks:** Use NIST AI RMF, ISO/IEC 42001, and the EU AI Act to assess compliance, ethics, and AI-related risks.
- **Improve Efficiency and Reporting:** Apply machine learning and generative AI to streamline documentation, evidence analysis, and report drafting while maintaining accuracy.
- **Apply AI Across Industries:** Adapt AI audit techniques to financial services, healthcare, manufacturing and supply chain, technology and cyber, government, and energy.
- **Manage Data Quality and Over-Reliance:** Evaluate data quality, preserve human judgment, and document AI-assisted work to quality-assurance standards.
- **Lead and Communicate:** Coordinate AI-enabled assurance across business operations, risk and compliance functions, and internal audit (Standard 9.5), and communicate AI-driven insights to audit committees and boards.

Tools and Technologies Covered :

The course introduces practical AI tools and processes using synthetic data in a safe learning environment, including:

- **AI Tools for Auditors:** Chatbots, vibe coding applications, and other tools relevant to audit work.
- **AI Across the Audit Lifecycle:** AI-assisted risk assessment, audit planning, continuous auditing, and monitoring.
- **Workpaper and Evidence Analysis:** Summarizing evidence, drafting workpapers, and maintaining a clear audit trail.
- **Natural Language Processing (NLP):** Reviewing and comparing contracts, policies, and regulatory documents at scale.
- **Machine Learning:** Detecting anomalies, exceptions, patterns, and potential fraud risks across datasets.
- **Predictive Analytics:** Supporting risk-based planning and resource allocation using historical and external data.
- **Data-Visualization Dashboards:** Presenting findings and assurance coverage to management and boards.
- **Prompt Engineering:** Creating, refining, and validating effective AI prompts for audit tasks.
- **AI Governance and Vendor Evaluation:** Selecting and overseeing AI tools using ISO/IEC 42001, NIST AI RMF, and the EU AI Act.

Participants work through hands-on examples, such as using generative AI to draft an audit planning memo and then critically reviewing, validating, and improving the output.

Tools You'll Explore :



Chatgpt



NotebookLLM

Julius

Julius AI

BALTUM

Baltum AI



QAIZEN Shadow AI



replit

Replit AI



Audit Now AI

TEMPLATE.NET

Template.net

Curriculum Modules Breakdown :

The following sections present a module-by-module breakdown of the curriculum, with each module's key topics and practical activities.

The six modules total eight hours (8 CPE).

Module 1

Foundations of AI in Internal Audit

Introduces core AI concepts, responsible use, and how AI supports internal audit within the Global Internal Audit Standards.

Key topics:

- **AI Fundamentals:** Machine learning, NLP, generative AI, and predictive analytics for audit use.
- **AI and Internal Audit Standards:** AI's impact on the audit lifecycle and the Global Internal Audit Standards.
- **AI Maturity:** Progression from analytics to advanced and agentic AI workflows.
- **Ethics and Auditor Responsibility:** Bias, transparency, accountability, and human oversight.
- **Privacy and Confidentiality:** Safe use of organizational data, public and enterprise tools, and data-retention considerations.
- **AI Tool Selection:** Choosing fit-for-purpose tools based on audit needs and risk.

Duration: 1.5 hours.

Module 2

AI-Powered Audit Execution

Applies AI to audit planning, fieldwork, evidence analysis, monitoring, and documentation.

Key topics:

- **Planning and Risk Assessment:** AI-supported risk identification, audit prioritization, and planning.
- **Continuous Monitoring:** Identifying emerging risks and exceptions between engagements.
- **Evidence and Workpapers:** Summarizing evidence and drafting workpapers while maintaining traceability.
- **NLP Document Review:** Reviewing contracts, policies, and regulatory documents at scale.
- **Prompting and Quality:** Designing prompts, refining outputs, identifying hallucinations, and validating results.

Duration: 1.5 hours.

Module 3

Data, Quality, and Professional Skepticism

Focuses on reliable data, AI validation, quality assurance, and responsible governance.

Key topics:

- **AI Output Validation:** Determining when AI outputs require further verification.
- **Data Quality:** Assessing completeness, accuracy, lineage, relevance, and bias.
- **Quality and Over-Reliance:** Maintaining reviewable documentation, human judgment, and professional skepticism.
- **AI Governance Frameworks:** Applying the EU AI Act, NIST AI RMF, and ISO/IEC 42001.

Duration: 1 hours.

Module 4

Industry Vertical Applications

Applies AI audit techniques across different regulatory and operational environments.

Key topics:

- **Financial Services:** Credit risk, fraud, and regulatory compliance.
- **Healthcare and Public Sector:** HIPAA, revenue-cycle integrity, grants, compliance, and accountability.
- **Technology and Cyber:** IT controls, AI systems, cybersecurity, and third-party risk.
- **Manufacturing and Energy:** Vendor audits, ESG assurance, resilience, and environmental compliance.
- **Cross-Industry Application:** Adapting prompts, analytics, evidence, and procedures while maintaining consistent assurance methods.

Duration: 1 hours.

Module 5

AI in Action – Practitioner Use Case Lab

Provides hands-on application of AI using approved tools and synthetic data.

Key topics:

- **Practical Audit Scenarios:** Fraud risk, IT controls, vendor compliance, and ESG reporting.
- **Prompt Engineering:** Creating and improving prompts for audit tasks.
- **Peer Review and Validation:** Assessing accuracy, sufficiency, traceability, and human review.
- **Capstone Simulation:** Completing an end-to-end AI-assisted audit engagement from planning through communication.

Duration: 1.5 hours.

Module 6

Leading AI-Enabled Audit Functions

Prepares audit leaders to scale AI responsibly through strategy, governance, capability building, and coordinated assurance.

Key topics:

- **AI Strategy and Governance:** Tool selection, governance frameworks, guardrails, and controlled adoption.
- **Team Capability:** Role-based AI upskilling across the audit function.
- **Change Management:** Managing stakeholder expectations and reinforcing human judgment.
- **Coordinated Assurance and Board Communication:** Coordinating assurance across business operations, risk and compliance functions, and internal audit in line with Standard 9.5 Coordination and Reliance, while communicating AI insights, coverage, limitations, and governance considerations to audit committees and boards

Duration: 1.5 hours.