

Advanced Technology Auditing

Barcelona (Spain)

20 - 24 April 2026

UK Traininig

PARTNER



Advanced Technology Auditing

Code: QM28 From: 20 - 24 April 2026 City: Barcelona (Spain) Fees: 4400 Pound

Introduction

As digital transformation accelerates, organizations face increasingly complex risks across cloud environments, artificial intelligence systems, and interconnected technologies. The modern technology auditor must go beyond traditional controls testing to become a strategic partner in digital governance and resilience.

This advanced course is specifically designed for seasoned auditors, risk professionals, and IT leaders seeking to elevate their expertise in auditing cutting-edge technologies. Through immersive case studies, simulated audits, and hands-on labs, participants will gain the knowledge and capabilities to assess emerging threats, ensure regulatory compliance, and build trust in dynamic digital ecosystems.

Course Objectives

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

- Conduct risk-based audits across complex, evolving digital environments.
- Assess the security, compliance, and resilience of artificial intelligence systems and hybrid cloud architectures.
- Design audit frameworks for emerging technologies, including blockchain, robotic automation, and connected devices.
- Use advanced tools for real-time monitoring, analytics-driven auditing, and cyber threat intelligence integration.
- Execute forensic audits and review incident response effectiveness.
- Align audit activities with global governance frameworks such as COBIT 2019, ISO/IEC 27005, NIST SP 800-53, and the Cloud Security Alliance.
- Navigate the legal and regulatory complexities of cross-border digital operations.

Course Outlines

Day 1: Strategic Audit Planning and Risk Intelligence

- Advanced audit scoping for enterprise and cloud-native ecosystems.
- Leveraging real-time threat intelligence in risk assessment.
- Audit planning in DevOps and containerized environments.
- Control mapping using COBIT 2019 and NIST SP 800-53.
- Case study: Crafting a multi-layer audit plan for a financial technology firm.

Day 2: Auditing AI, Automation, and Digital Trust

- Auditing artificial intelligence and machine learning systems.
- Evaluating explainability, fairness, and bias in AI models.
- Assessing governance controls in robotic process automation RPA.

The logo for UK Training Partner, featuring the text 'UK Training' in a smaller font above the word 'PARTNER' in a large, bold, black font. The background of the logo is a stylized chessboard with several chess pieces (a king, a queen, and a pawn) in gold and silver, set against a backdrop of concentric circles.

- Using intelligent audit automation tools and data analytics platforms.
- Case study: Auditing AI governance in a healthcare environment.

Day 3: Cybersecurity, Forensics, and Incident Response

- Advanced cybersecurity audit techniques and threat modeling.
- Assessing the effectiveness of security operations centers SOC's and SIEM platforms.
- Introduction to digital forensics for auditors.
- Auditing incident response readiness and post-breach recovery.
- Hands-on lab: Simulated audit of a breached IT infrastructure.

Day 4: Auditing Cloud, IoT, and Emerging Technologies

- Auditing hybrid and multi-cloud platforms Azure, AWS, Google Cloud.
- Identity and Access Governance across Federated Systems.
- Security and Compliance Risks in IoT and Edge Computing.
- Blockchain auditing: Smart contracts, integrity, and assurance.
- Case study: Data residency and cross-border compliance in cloud deployments.

Day 5: Reporting, Ethics, and the Future of Audit

- High-impact audit reporting: dashboards, risk scoring, and key metrics.
- Communicating findings to boards, leadership, and audit committees.
- Ethical considerations in AI auditing and emerging tech.
- Building a proactive audit function with continuous controls monitoring.
- Foresight session: Quantum computing, Zero Trust models, and audit evolution.
- Group presentation: Delivering a strategic audit report to executive stakeholders.

Why Attend This Course: Wins & Losses!

- Master advanced auditing techniques for AI, automation, cloud, blockchain, and beyond.
- Strengthen your ability to identify, assess, and respond to digital risks in real time.
- Deepen your understanding of digital ethics and regulatory compliance across jurisdictions.
- Increase your strategic value by delivering audit insights that drive business resilience.
- Gain practical experience through simulations and real-world scenarios.

Conclusion

This course will position you at the forefront of technology auditing. With digital ecosystems expanding rapidly, your ability to provide assurance, identify vulnerabilities, and guide executive decision-making is more important than ever.

Whether your goal is to lead audit transformation, build cyber resilience, or support AI governance, this program delivers the depth, rigor, and hands-on practice to help you succeed.

A graphic of a chessboard with several chess pieces (king, queen, rook, knight, and pawns) in gold and silver. The text 'UK Training PARTNER' is overlaid on the board.

UK Training
PARTNER

Blackbird Training Cities

Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)



Podgorica (Montenegro)



Batumi (Georgia)



Salzburg (Austria)



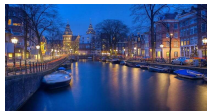
Florence (Italy)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Athens (Greece)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)



Blackbird Training Cities

USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

ASIA



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Melbourne (Australia)
(Kuwait)



Phuket (Thailand)



Shanghai (China)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City



Seoul (South Korea)



Pulau Ujong (Singapore)



Irbid (Jordan)



Jakarta (Indonesia)



Amman (Jordan)



Beirut

UK Training
PARTNER

Blackbird Training Cities

AFRICA



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients

 MANNAI CORPORATION MANNAI Trading Company WLL, Qatar	 GAC UNE FILIALE D' EGA Alumina Corporation Guinea	 Booking.com Booking.com Netherlands	 OXFAM Oxfam GB International Organization, Yemen	 Capital Markets Authority Kuwait
 WS Waltersmith Petroman Oil Limited Nigeria	 QNB Qatar National Bank (QNB), Qatar	 Qatar Foundation Qatar	 AFRICAN UNION ADVISORY BOARD ON CORRUPTION Tanzania	 KFAS Kuwait Foundation for the Advancement of Sciences KFAS Kuwait
 Reserve Bank of Malawi Malawi	 Central Bank of Nigeria Nigeria	 Ministry of Interior Kingdom of Saudi Arabia Ministry of Interior, KSA	 Mabruk Oil Company Libya	 Saudi Electricity Company KSA
 BPKH Badan Pengelola Keuangan Haji BADAN PENGELOLA KEUANGAN Haji, Indonesia	 NATO Italy	 ENI ENI CORPORATE UNIVERSITY, Italy	 GULF BANK Gulf Bank Kuwait	 General Organization for Social Insurance KSA
 Defence Space Administration Nigeria	 National Industries Group (Holding), Kuwait	 Hamad Medical Corporation Qatar	 USAID Pakistan	 STC STC Solutions, KSA
 North Oil Company North Oil company,	 EKO Electricity	 OMAN BROADBAND Oman Broadband	 UNITED NATIONS UN.	 Authority for Electricity Regulation, Oman Authority for

UK Training
PARTNER

Blackbird Training Categories

Management & Admin

Entertainment & Leisure
Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Artificial Intelligence (AI)
Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



 International House 185 Tower Bridge
Road London SE1 2UF United Kingdom

 +44 7401 1773 35
+44 7480 775526

 Sales@blackbird-training.com

 www.blackbird-training.com

UK Training
PARTNER

