## Advanced Technology Auditing

*Vienna (Austria)*

*12 - 16 January 2026*

UK Traininig

# PARTNER

# Advanced Technology Auditing

## 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.

Head Office:  +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com

- 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 SOCs 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.

Head Office:  +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com

# Blackbird Training Cities

## Europe

| | | | | | |
|---|---|---|---|---|---|
| Malaga (Spain) | Sarajevo (Bosnia and Herzegovina) | Cascais (Portugal) | Glasgow (Scotland) | Edinburgh (UK) | Oslo (Norway) |
| Annecy (France) | Bordeax (France) | Copenhagen (Denmark) | Birmingham (UK) | Lyon (France) | Moscow (Russia) |
| Stockholm (Sweden) | Podgorica (Montenegro) | Batumi (Georgia) | London (UK) | Istanbul (Turkey) | Amsterdam |
| Düsseldorf (Germany) (Switzerland) | Paris (France) | Athens(Greece) | Barcelona (Spain) | Munich (Germany) | Geneva |
| Prague (Czech) | Vienna (Austria) | Rome (Italy) | Brussels | Madrid (Spain) | Berlin (Germany) |
| Lisbon (Portugal) | Zurich | Manchester (UK) | Milan (Italy) | | |

Head Office:  +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com

UK Traininig
PARTNER

# 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) Korea)

Phuket (Thailand)

Dubai (UAE)

Kuala Lumpur (Malaysia)

Kuwait City (Kuwait)

Seoul (South

Pulau Ujong (Singapore)

Irbid (Jordan)

Jakarta (Indonesia)

Amman (Jordan)

Beirut

UK Traininig **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)

UK Traininig
**PARTNER**

Head Office:  +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com

# Blackbird Training Clients

**MANNAI CORPORATION**
MANNAI Trading Company WLL, **Qatar**

**GAC** UNE FILIALE D'EGA
Alumina Corporation **Guinea**

**B. Booking.com**
Booking.com **Netherlands**

**OXFAM**
Oxfam GB International Organization, **Yemen**

**Capital Markets Authority**
Capital Markets Authority, **Kuwait**

**WS**
Waltersmith Petroman Oil Limited **Nigeria**

**QNB**
Qatar National Bank (QNB), **Qatar**

**Qatar Foundation**
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 Operations
Mabruk Oil Company **Libya**

**Saudi Electricity Company**
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**
General Organization for Social Insurance **KSA**

Defence Space Administraion **Nigeria**

National Industries Group (Holding), **Kuwait**

**Hamad Medical Corporation**
Hamad Medical Corporation, **Qatar**

**USAID**
USAID **Pakistan**

**STC**
STC Solutions, **KSA**

**North Oil Company**
North Oil company,

**EKEDC** EKO ELECTRICITY DISTRIBUTION COMPANY
EKO Electricity

**oman BROADBAND**
Oman Broadband

**UNITED NATIONS**
UN.

**AUTHORITY FOR ELECTRICITY REGULATION, OMAN**
Authority for

UK Traininig
**PARTNER**

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com

# 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 Traininig
PARTNER

Head Office:  +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com