



SORINTEQ

INTERMEDIATE ARTIFICIAL INTELLIGENCE IN DIGITAL INVESTIGATIONS

**Government Expertise. Commercial
Innovation. Trusted Intelligence.**

7-Day Intensive Specialist
Training for Government and
Commercial Sectors

- 7 Day Programme
- Intermediate-Level Investigative AI Training
- Specialist Training for Law Enforcement, Intelligence and Security Professionals
- All Training Equipment Provided
- In Association With the University of Buckingham

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DISCOVER THE NEW SORINTEQ

Course Overview

Artificial Intelligence is rapidly becoming an integral component of modern digital investigation, intelligence and cyber security activity. For practitioners who already understand the fundamentals of AI, the next challenge is learning how to integrate these capabilities into more complex, structured and operational investigative workflows.

The Intermediate Artificial Intelligence in Digital Investigations Course is a practical 5-day programme designed for experienced investigators, intelligence analysts, OSINT practitioners and cyber security professionals who have already developed a basic understanding of AI and wish to advance their operational capability.

The programme moves beyond introductory AI concepts and focuses on the practical application of AI to complex research, investigative analysis, online identity management, digital evidence, intelligence development, automation and investigative reporting.

Participants will develop the ability to combine AI with established investigative methodologies, critically evaluate AI-generated information and construct repeatable workflows that improve investigative efficiency while maintaining professional, legal and evidential standards. The course places particular emphasis on investigator-led use of AI, ensuring that technology supports rather than replaces professional judgement.

Who is the Course For?

This course is designed for professionals who already have experience of digital investigation, intelligence gathering, OSINT or cyber-enabled investigative activity, including:

- Digital investigators and intelligence analysts
- Cyber security and cybercrime investigators
- OSINT practitioners and internet researchers
- Law enforcement investigators
- Government and intelligence professionals
- Financial crime and fraud investigators
- Corporate intelligence and due diligence professionals
- Security and threat intelligence practitioners
- Digital forensic and investigative specialists

Participants should have a working knowledge of AI tools and prompting techniques and experience of conducting digital investigations, OSINT or cyber-enabled investigative work.



COURSE CONTENT

The course combines advanced practical application with structured investigative methodology, including:

Advanced AI-Assisted Investigation

Developing more sophisticated investigative workflows using AI to support planning, collection, analysis and reporting.

AI-Assisted OSINT and Research

Using AI to improve research strategy, search development, multilingual research, entity discovery, source comparison and intelligence collection.

AI for Complex Evidence Analysis

Applying AI to large volumes of documents, communications, transcripts, reports and other digital material to identify patterns, relationships, timelines and investigative opportunities.

AI-Assisted Social Media Intelligence

Using AI to analyse narratives, trends, networks, influence indicators, coordinated activity and emerging information environments.

AI for Cyber Threat Intelligence

Applying AI to threat actor profiling, technical reporting, malware intelligence, vulnerability assessment, IOC interpretation and campaign analysis.

AI-Assisted Investigative Analysis

Integrating AI with structured analytical techniques including competing hypotheses, risk assessment, intelligence-gap analysis and alternative explanation development.

Advanced Prompt Engineering

Developing reusable investigative prompts, multi-stage workflows, prompt chains, structured outputs and specialist prompt libraries.

AI Automation and Investigative Workflows

Identifying opportunities to automate repetitive investigative activity and designing AI-supported workflows incorporating human approval and quality assurance.

AI-Assisted Covert Online Account Development

Understanding how AI can support the lawful and authorised creation and management of covert online research accounts and personas for investigative and intelligence purposes.

AI for Image, Audio and Video Investigation

Applying AI to more complex multimedia investigations, including visual comparison, OCR, transcription, translation, speaker separation, video summarisation and synthetic-media awareness.





**SORINTEQ
SERVICES**

Aims and Objectives of the Course

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

- Apply intermediate and advanced AI techniques to digital investigations.
- Integrate AI into established investigative methodologies.
- Develop sophisticated AI-assisted research and intelligence collection strategies.
- Analyse large and complex digital datasets using AI.
- Apply AI to text, imagery, audio, video and cyber intelligence.
- Develop structured investigative prompts and reusable AI workflows.
- Apply AI to authorised covert online research and account-management activities.
- Identify appropriate opportunities for AI automation.
- Apply structured analytical techniques with AI assistance.
- Identify and mitigate AI-generated misinformation, bias and hallucinations.
- Verify AI-assisted findings against appropriate source material.
- Maintain evidential integrity when using AI.
- Apply appropriate security, privacy and operational-security controls.
- Understand the ethical and professional responsibilities associated with investigative AI.
- Develop sustainable AI-assisted investigative workflows.
- Critically evaluate AI outputs rather than simply accepting them.
- Adapt investigative practice as AI technologies continue to evolve.

Why Choose Sorinteq

Sorinteq delivers university-accredited, practitioner-led training trusted by Government and commercial organisations. Its existing AI programme is explicitly positioned around practical, operationally relevant capability and the integration of AI into investigative workflows while maintaining professional standards and evidential integrity.

The Intermediate Artificial Intelligence in Digital Investigations programme builds on this foundation by providing practitioners with the opportunity to move from understanding and using AI to designing and integrating AI-enabled investigative capability.

The programme combines practical investigation, intelligence analysis, cyber security, OSINT digital evidence and responsible AI practice, providing participants with skills that can continue to evolve alongside rapidly developing AI technologies.

Students undertaking courses provided by Sorinteq may earn credits towards formal academic qualifications such as Post Graduate Certificate, Diploma or MSc at the University of Buckingham.