

# ICA Specialist Certificate in Evolving Risks in Financial Crime Technology

## Syllabus



### 1 Understanding Financial Crime Concepts

- What is financial crime and who commits it?
- Financial crime concepts
  - Money laundering
  - Terrorist financing
  - Sanctions evasion
  - Fraud
  - Market manipulation
  - Insider trading
  - Bribery and corruption
  - Cybercrime

### 2 Technology Concepts

- The evolution of the Web
- FinTech
- Blockchain and cryptocurrencies
- RegTech
- Artificial intelligence
- The Dark Web
- The Metaverse

### 3 Emerging Financial Crime Technologies

- Cybercrime insights
  - Phishing and ransomware
  - Quishing
- Artificial intelligence
  - AI phishing
  - Adversarial AI
  - Data poisoning
  - AI vulnerabilities and financial crime
- New fraud techniques
  - Deepfake fraud
  - Synthetic identity fraud
  - Biometric fraud
- New trends in financial crime
  - Cryptocurrency and NFTs
  - Gaming and the metaverse
  - Internet of Things (IoT) hacking

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## **RegTech and Anti-Financial Crime Tactics**

- Digital techniques
  - Data analysis and data analytics
  - AI and the fight against financial crime
  - NLP and financial crime
  - Optical Character Recognition (OCR)
  - Blockchain analytics
- RegTech implementation challenges
- Case study: RegTech implementation

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## **Financial Crime Technology Risk Management**

- Technology and the regulatory environment
  - Blockchain and regulation
  - New fraud techniques and regulations
  - AI regulation
  - Cybersecurity and financial crime technology
  - Other regulatory responses to financial crime and technology
- Risk strategy
  - Risk scoring
  - Risk management strategic response case examples

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## **The Future of Evolving Financial Crime Risk Technologies**

- Beyond the digital era
  - Virtual reality, augmented reality and financial crime
  - Wearables and cyber risks
  - Tokenised real-world assets (RWAs) and money laundering
  - Robotics and risk
  - The quantum age of financial crime
- The future for the compliance role and financial crime technology

