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# ICA Specialist Certificate in Financial Crime Risk in Cryptocurrencies

[www.navigatecompliance.io](http://www.navigatecompliance.io)

# ICA Specialist Certificate in Financial Crime Risk in Cryptocurrencies

## Essential Concepts of Financial Crime

*(available for learners who need to establish or refresh their knowledge)*

- What is money laundering?
- Identifying suspicious activity
- Customer due diligence
- Risk based approach
- Money laundering & Terrorist financing
- Understanding sanctions

## Introduction

- Financial services and technology
- Perceptions of FinTech and financial crime
- Benefits of digital technology
- Regulatory landscape

## Distributed Ledger Technologies (DLT's)

- Introduction to DLT's
- Benefits of DLTs

## Blockchains

- Introduction to Blockchains
- Blockchain components
- Understanding network components
- Types of consensus algorithm
- Types of blockchain
- Application of blockchain in financial services
- Transactions
- Hashing
- Merkle trees
- Blocks
- Mining

## Cryptocurrencies

- Introduction to cryptocurrencies
- The relationship between cryptocurrencies and fiat
- Factors that make cryptocurrencies attractive to criminals
- Use of terminology for virtual currencies
- Bitcoin: key features
- Factors that determine Bitcoin's value
- Understanding cryptographic keys in Bitcoin
- Transactions
- Key stages in a transaction
- Wallets for storing Bitcoin
- Altcoins
- Mixing services
- Crypto ecosystem
- What are crypto assets?
- Tokenisation/NFTs
- Distributed Applications (DApps)
- Initial Coin Offerings (ICOs)
- Stablecoins
- Central bank digital currency
- BigTechs
- Bitcoin evolving

## Cryptocurrency Risk and Financial Crime

- Cryptocurrency crime
- Illicit activity
- Major financial crime concerns
- What FATF have to say
- High risk/illicit service providers in the crypto ecosystem

## Blockchain Investigations vs Traditional Investigations

- Introduction to blockchain investigations vs traditional investigations
- Real-time investigations
- Non-face-to-face onboarding
- Blockchain analytics tools
- Why is blockchain analytics important and where is it used?
- Information sharing and liaising with law enforcement
- How to determine the source of funds when dealing with cryptocurrency

## Solutions to Managing Risk from Crypto-Assets

- Introduction to solutions to managing risk from crypto-assets
- Solutions to managing risk from crypto assets
- Reducing crime using advanced data techniques: AI, ML, Deep Learning
- Technology outpaces regulatory response
- Self-regulations by innovators
- Crypto Defenders Alliance (CDA)
- Cryptocurrency Compliance Cooperative (CCC)
- Global Digital Finance (GDF)
- Project Participate
- Regulatory response
- Regulatory risk of paying ransomware
- Market supervision for cryptoassets

## Red Flag Indicators

- Red flags related to transactions
- Red flags related to transaction patterns
- Red flags related to anonymity

## Application within the financial industry

- Introduction to application within the financial industry
- Decentralised finance
- DeFi vs. traditional finance
- Regular payments
- Option trading
- Bitcoin Options
- Ethereum Options
- The future of cryptocurrency

UK QAA Level 4 Qualification.  
Accredited by the Alliance Manchester Business School.

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