Cryptocurrency Tracing for Illicit Activities Training Course

Professional Development Training Course Outline

Category	Criminology	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The exponential growth of cryptocurrency has revolutionized the financial world, but it has also opened new pathways for money laundering, cybercrime, fraud, terrorism financing, and illicit trade. As blockchain technology becomes more mainstream, the demand for professionals skilled in cryptocurrency investigation, blockchain forensics, and digital asset tracing has reached a critical high. Training Course on Cryptocurrency Tracing for Illicit Activities is designed to equip professionals, law enforcement, and cybersecurity experts with real-world tools, legal insights, and forensic skills to trace, analyze, and mitigate illicit activities involving cryptocurrencies.

Participants will explore cutting-edge techniques for tracing digital transactions, uncovering hidden wallets, and connecting pseudonymous activity to real-world actors. From crypto compliance to dark web investigations, this training leverages global case studies, practical modules, and current frameworks used by leading intelligence and cybercrime units. The course also dives into tools like Chainalysis, CipherTrace, and open-source blockchain analytics to enhance your practical capabilities in investigating financial crimes involving Bitcoin, Ethereum, and other digital currencies.

Programme Curriculum

Cryptocurrency Tracing for Illicit Activities Training Course

Introduction

The exponential growth of cryptocurrency has revolutionized the financial world, but it has also opened new pathways for money laundering, cybercrime, fraud, terrorism financing, and illicit trade. As blockchain technology becomes more mainstream, the demand for professionals skilled in

cryptocurrency investigation, blockchain forensics, and digital asset tracing has reached a critical high. Cryptocurrency Tracing for Illicit Activities Training Course is designed to equip professionals, law enforcement, and cybersecurity experts with real-world tools, legal insights, and forensic skills to trace, analyze, and mitigate illicit activities involving cryptocurrencies.

Participants will explore cutting-edge techniques for tracing digital transactions, uncovering hidden wallets, and connecting pseudonymous activity to real-world actors. From crypto compliance to dark web investigations, this training leverages global case studies, practical modules, and current frameworks used by leading intelligence and cybercrime units. The course also dives into tools like Chainalysis, CipherTrace, and open-source blockchain analytics to enhance your practical capabilities in investigating financial crimes involving Bitcoin, Ethereum, and other digital currencies.

Course Objectives

1. Understand blockchain fundamentals and the role of cryptocurrencies in cybercrime.
2. Identify patterns in crypto-related money laundering and terror financing.
3. Learn tools for blockchain analytics and forensic transaction tracing.
4. Conduct thorough investigations using Bitcoin and Ethereum tracing.
5. Analyze the use of privacy coins in concealing illicit activities.
6. Examine the connection between cryptocurrencies and dark web transactions.
7. Master KYC/AML compliance in the context of digital assets.
8. Trace transactions through crypto mixers, tumblers, and DeFi protocols.
9. Develop chain of custody for cryptocurrency seizure and evidence.
10. Understand international laws and jurisdiction in crypto crime investigation.
11. Apply advanced OSINT (Open Source Intelligence) for wallet attribution.
12. Integrate case-based learning for practical financial crime investigations.
13. Build inter-agency collaboration frameworks to enhance cross-border crypto crime tracing.

Target Audiences

1. Law Enforcement Agencies
2. Cybersecurity Analysts
3. Compliance Officers in FinTech
4. Financial Crime Investigators
5. Government Regulators
6. Intelligence & National Security Professionals
7. Blockchain Forensics Experts
8. Legal and Risk Management Teams

Course Duration: 10 days

Course Modules

Module 1: Introduction to Blockchain and Cryptocurrency

- Blockchain fundamentals and crypto architecture
- Overview of Bitcoin, Ethereum, and altcoins
- The evolution of crypto crimes
- Role of pseudonymity in illicit activities
- Real-time transaction tracking tools
- **Case Study**: Rise and fall of Silk Road marketplace

Module 2: Crypto and Money Laundering Typologies

- Traditional vs. crypto-based laundering
- Layering techniques in crypto
- Red flag indicators for suspicious transactions
- Transaction behavior patterns
- AML policies and red tape loopholes
- **Case Study**: The OneCoin Ponzi scheme

Module 3: Tools for Blockchain Forensics

- Overview of Chainalysis, CipherTrace, TRM Labs
- Blockchain explorers vs forensic software
- How to extract transaction data
- Wallet clustering techniques
- Integration of APIs in investigations
- **Case Study**: Identifying wallets used in ransomware

Module 4: Tracing Bitcoin Transactions

- Understanding UTXO model
- Analyzing Bitcoin addresses and movements
- Dusting and peel chain techniques
- Linking wallets to real-world identities
- Reducing false positives in tracing
- **Case Study**: Colonial Pipeline ransomware attack

Module 5: Ethereum & Smart Contract Analysis

- Ethereum account-based model
- Smart contract vulnerabilities
- Tracing ERC-20 tokens
- Identifying DeFi laundering schemes
- Gas fee patterns for wallet attribution
- **Case Study**: DAO exploit and fund recovery

Module 6: Privacy Coins & Obfuscation Tactics

- Monero, Zcash, and Dash overview
- Ring signatures and zk-SNARKs

- Tracing limitations and workarounds
- Use of privacy wallets and VPNs
- Correlation through metadata and timing
- **Case Study**: Tracking Monero in darknet sales

Module 7: Dark Web and Crypto Payments

- Introduction to dark web markets
- Escrow systems and vendor wallets
- Linking marketplace activity to crypto flow
- Tracing crypto to fiat exit points
- Role of VPNs and Tor in masking trails
- **Case Study**: AlphaBay take down analysis

Module 8: Decentralized Finance (DeFi) and Illicit Flow

- Overview of DeFi platforms
- Flash loan exploits and liquidity attacks
- Token swaps as laundering tools
- Tracing across smart contracts
- Risk indicators in DeFi protocols
- **Case Study**: Cream Finance exploit

Module 9: Crypto Mixers, Tumblers & Obfuscation Tools

- How mixers obscure transaction trails
- Blockchain mixers vs custodial ones
- Mixing pattern analysis
- Use of Wasabi & CoinJoin
- Identifying links post-mixing
- **Case Study**: Tornado Cash & OFAC sanctions

Module 10: KYC/AML Compliance in the Crypto World

- Regulatory frameworks: FATF, FinCEN, EU AMLD
- Role of VASPs and exchanges
- Enhanced Due Diligence (EDD)
- Red flags in on-ramp/off-ramp activity
- Automated KYC/AML screening tools
- **Case Study**: Binance compliance controversies

Module 11: Open Source Intelligence (OSINT) for Crypto Tracing

- Wallet attribution using OSINT
- Telegram, Discord, and social mining
- IP correlation and DNS leaks
- GitHub, Twitter, and blockchain forums

- Case-based OSINT strategy
- **Case Study**: FBI takedown of child porn ring via OSINT

Module 12: Legal and Jurisdictional Challenges

- Crypto crime prosecution challenges
- International cooperation models
- Extradition and mutual legal assistance
- Custody of digital evidence
- Admissibility in court
- **Case Study**: Mt. Gox and cross-border litigation

Module 13: Seizure and Preservation of Digital Assets

- Legal procedures for asset seizure
- Wallet freezing techniques
- Chain of custody in digital investigations
- Multi-sig wallets and seizure complexity
- Ensuring integrity of evidence
- **Case Study**: U.S. seizure of North Korean hacker assets

Module 14: Real-Time Crypto Threat Intelligence

- Monitoring darknet crypto trends
- Using analytics dashboards
- Behavioral analytics & alerts
- Integrating real-time data feeds
- Reporting suspicious activity
- **Case Study**: Hydra Market crypto monitoring

Module 15: Capstone Project and Simulation Lab

- Role-based investigation simulation
- Use of real-world forensic tools
- Incident reporting and debrief
- Team-based wallet tracing exercise
- Final assessment and certification
- **Case Study**: Multi-layer wallet tracing challenge

Training Methodology

- Interactive lectures using real-world tools (Chainalysis, CipherTrace)
- Live case walkthroughs and dark web simulation labs
- Hands-on exercises with wallet tracing and analysis software
- Scenario-based team activities for collaborative learning
- Expert sessions from global crypto crime investigators
- Online forum discussions and weekly quizzes for reinforcement

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com