



## Investigating Cryptocurrencies – Advanced – 3 days



### Why do you need this training?

In the past few years, we have become adept at investigating crimes involving cryptocurrencies, but it has been very focused on Bitcoin. This has meant that tools and methods have become Bitcoin centric, but the crypto-asset world is changing fast, and criminals are moving with it.

In the past 3 years we have seen the broad emergence and use of Ethereum and Binance Smart Chain including a vast variety of tokens, Decentralized Finance services and Decentralised Exchanges which can be used by criminals to hide funds and obfuscate their transactions.

This course will teach you to understand and be able to trace across the Ethereum and Binance Smart Chain blockchains, track through coin swaps and decentralised exchanges and locate funds in DeFi contracts. All this using just open-source tools.

NFT's have also provided new opportunities for money laundering and fraud. You will learn how to track the minting of NFT's and follow the money to the buyers.

Are you finding funds being laundered through mixers and coin-join services such as Wasabi? We will teach you to recognise these transactions and find ways to trace through the maze.

Aside from learning these critical techniques you will have the opportunity to test your skills on many real-world practical's interspersed throughout the class, many taken directly from investigations we have done.

Many investigative methods in this course are not being taught anywhere else in the world.

## The Trainers

Nick Furneaux is author of Investigating Cryptocurrencies, the best-selling book on practical methods of investigating Bitcoin oriented crimes. His foundation class has been taught to over 1250 investigators worldwide and is considered the gold standard in crypto investigation classes.

Luke Russell is well-known for assisting the teaching of the foundation class and working as lead investigator for CSITech. Working with Nick they have investigated over \$20 Billion worth of crypto-assets in both law enforcement and large-scale Civil investigations.

## Pre-requisites.

This can't be your first cryptocurrency 'rodeo'. You will need to have sat either the foundation class from CSITech, a foundation class from another provider or at least the primary courses from a commercial tool provider such as Chainalysis.

Otherwise, you will likely have been involved in some cryptocurrency investigations to give you a sound basis.

I expect that you are working as a Financial Investigator, Cyber Investigator or possibly within Digital Forensics.

## Syllabus

These elements are included at the time of writing the syllabus but will likely be added to.

The 3 days include:

- Understanding how criminals are using the blockchain

- Recognising patterns of use on the blockchain
- Mapping through mixers
- Understand and identify coinjoin transactions such as from Wasabi
- Calculating paths through Wasabi transactions
- Understanding how Ethereum, ERC-20 tokens, DeFi contracts and NFT's work and look on the blockchain
- Tracing Ether funds through Ethereum
- Tracking and Tracing ERC-20 tokens
- Identifying and tracing tokens through Decentralised Exchanges (DEX)
- Identifying and tracing Decentralised Finance (DeFi) contracts
- Tracing the minting and selling of NFT's
- Tracing Stable coins – USDC/T etc
- Understanding how Binance Chain, Binance Smart Chain, BEP-2, BEP-8, BEP-20 tokens work on the Binance blockchain
- Understanding and tracing through TRON, TRC-10, TRC-20 coins
- Analysing addresses across chains
- Tracking new coins through forks
- Extracting raw searchable data from open source resources
- Interpreting data provided by exchanges
- Tracking Tether over Bitcoin Omni Layer
- Handling Alt coins not covered by commercial tracing tools
- Deconstructing derivation paths to ensure seizure of all assets
- What will changes to Bitcoin and Ethereum mean to the investigator
- Lots and lots of real world practicals

At the end of the class you will receive a certificate of completion and an overall score

## Cost

The class is currently available Live-Online in an online classroom style and will soon be available Self-Paced.

Live-Online - £1650 + VAT

Self-Paced - £1150 + VAT (available Q2 2022)