



# CALIFORNIA DEPARTMENT OF JUSTICE



## Advanced Cryptocurrency Concepts: Transaction Tracking and Cryptocurrency Seizures

**NEW**

*Southern California High Technology Task Force  
9900 Norwalk Blvd, Santa Fe Springs, CA 90670  
April 14-15, 2020*

**Course Description** - This 16-hour (2 FULL Days) course is designed to provide law enforcement personnel with a course of instruction, expanding on the basic course presented in D225. Through this detail and advanced course of instruction the student will learn the origins of Bitcoin, the basics of addresses, transactions, hardware wallet functionality and how to effectively follow and seize the money. The student will also learn about the different alternative currencies designed to offer more anonymity, often referred to as "Privacy Coins"; Understanding of the Lightning Network; and implementation of obfuscation concepts like Minblewimble and what it means for investigations. This is the only course to offer: Hands-on lab exercises in a LIVE Bitcoin Learning lab environment, giving the student the opportunity to transact with Bitcoin.

### **Instructor:**

Various

### **Teaching Methods:**

Lecture, hands-on exercises and real case scenarios.

### **Objectives:**

Students will have an advanced knowledge of cryptocurrencies (Bitcoin) and how they function. They will understand how transactions work and how to follow the money leading to an effective seizure of cryptocurrencies.

### **Prerequisites:**

Students should be law enforcement personnel assigned to high technology crime investigation units, white collar crime units, fraud or forgery units, identity theft units as well as individuals whose primary responsibility is to seize computer evidence/equipment discovered at crime scenes. Students must have a working knowledge of computer operating systems and Internet networking protocol. Students should have completed Computer / Investigations of Internet Crimes (D200) and Policing the DarkWeb and Crypto-Currencies (D225) before attending this course.

### **Course Outline:**

- The basics of Cryptocurrencies (Bitcoin)
- Anatomy of an Address
- Anatomy of a Transaction
- Basics of Hardware Wallets
- Blockchain analysis and how to follow the "digital" money
- How to properly seize cryptocurrencies.
- Hands-on exercises with the latest cryptocurrency hardware wallets.
- Effective terminology for Cryptocurrency related search warrants.

**Cost:** This is a tuition free course for Law Enforcement.

**Additional Information** – To submit an app visit [atc.guiweb.com](http://atc.guiweb.com) For further information please contact Martin Balcazar – Program Manager, (916) 695-1813 or [martin.balcazar@doj.ca.gov](mailto:martin.balcazar@doj.ca.gov)