



GLOBAL FORENSIC TRAINING

Cellebrite Certified Operator (CCO)



COURSE DESCRIPTION

- >>> Level**
Intermediate
- Target Audience**
Investigators, Technicians, CSI Staff, Forensics
- Length**
2 days
- Delivery Mode**
Instructor Led Training or Web-Based Training

The Cellebrite Certified Operator (CCO) course is a 2-day intermediate level certification program which builds on the concepts from the CMFF course and is designed for those participants who are tasked with extracting data in a forensically sound manner using UFED Touch or UFED 4PC.

This course is designed to teach data extraction team members such as technically savvy investigators, digital forensic examiners, IT staff, internal affairs investigators, first responders and personnel designated to handle extraction of digital evidence how to perform extractions on a variety of devices. These extractions include logical, file system and physical extractions from mobile devices as well SIM cards, and external storage such as SD cards.

Participants in this course will gain a basic understanding of how to open the extractions in Physical Analyzer software, conduct basic searches and how to create bookmarks and reports. Students achieve the CCO certification upon passing a knowledge test and practical skills assessment with a score of 80% or better. The only way to earn this CCO certification is by taking the exam along with an associated course, there is no test out available.



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Course Objectives:

- Learn how to handle mobile devices
- Understand data encoding schemes
- Install and configure UFED Touch/UFED 4PC
- Learn best practice when conducting extractions
- Conduct device extractions
- Conduct SIM and SD card extractions
- Learn how to open extractions in Physical Analyzer
- Learn how to conduct basic searches, and create reports using Physical Analyzer
- Demonstrate proficiency by passing an exam

Module and Estimated Time	Description and Objectives
Introduction 1 Hour (50 min. seat time)	<ul style="list-style-type: none">• Course introduction and administration• Course materials• Instructor introductions• Participant introductions• Cellebrite overview <p>Instructors will also present an overview of Cellebrite and its solutions and product lines.</p>
Forensic Handling of Mobile Devices 2 Hours (125 min. seat time)	<ul style="list-style-type: none">• Recognize legal considerations for seizing and searching devices• Identify evidence handling procedures on scenes involving mobile devices• Use UFED Phone Detective to identify a specific mobile device• Recognize various locking mechanisms found on mobile devices• Practice applying best practices when seizing devices to a mock scenario
UFED Touch and UFED 4PC 1 Hour (50 min. seat time)	<ul style="list-style-type: none">• Learn about the components for the UFED Touch and UFED 4PC• Learn how to license UFED technology• Learn to update the firmware• Install UFED 4PC• Configure UFED Touch and/or UFED 4PC
Cellebrite Extraction Methodology 6 Hours (300 min. seat time)	<ul style="list-style-type: none">• Identify best practices for digital forensic extractions• Practice forensically sterilizing media• Complete SIM card extractions using UFED Touch/4PC• Conduct SD card extractions in a forensically sound manner• Use the UFED Touch/4PC and Physical Analyzer to conduct device extractions



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Module and Estimated Time	Description and Objectives
	<ul style="list-style-type: none">• Complete the removal of a passcode from a locked device using UFED Touch/4PC• Describe how to use UFED Camera Services
Media System Files & Encoding 1 Hour (50 min. seat time)	<ul style="list-style-type: none">• Basic flash memory characteristics• Data encoding schemes to include: Binary, Hexadecimal, ASCII, Unicode, Big Endian/Little Endian, and Nibble• Wear Leveling and Garbage Collection as it relates to data on flash memory
Introduction to Analyzing User Data 1 Hour (50 min. seat time)	<ul style="list-style-type: none">• Basic Physical Analyzer Configuration• Open extractions with Physical Analyzer• View data in Physical Analyzer• Learn to bookmark items of interest
Reporting on Technical Findings 1 Hour (50 min. seat time)	<ul style="list-style-type: none">• Understand the fundamental elements of a report• Understand reporting options within UFED Physical Analyzer• Create a report based on evidentiary items
Certification Examination 1 Hour (60 minute timed exam)	<p>The CCO examination is a timed certification examination consisting of 25 randomly selected knowledge and practical questions related to:</p> <ul style="list-style-type: none">• Handling mobile devices• Data encoding schemes• UFED Touch/UFED 4PC extraction process• Best practice when conducting extractions• SIM extractions and cloning• SD card extractions• Opening extractions in Physical Analyzer• Conducting basic searches in Physical Analyzer• Creating reports using Physical Analyzer

To learn more, visit
www.cellebritelearningcenter.com

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