



GLOBAL FORENSIC TRAINING

Cellebrite Certified Physical Analyst (CCPA)



COURSE DESCRIPTION



Level

Advanced

Target Audience

Investigators,
Forensics

Length

3 days

Delivery Mode

Instructor Led
Training or
Web-Based
Training

The Cellebrite Certified Physical Analyst (CCPA) course is a 3-day advanced level program designed for technically savvy investigators, digital evidence analysts and forensic practitioners. As this course focuses on the analysis and advanced search techniques using UFED Physical Analyzer, participants will NOT be conducting extractions from devices in this course. UFED Physical Analyzer software will be used extensively to explore recovered deleted data, database contents, advanced search and analysis techniques, verification and validation, and reporting.

Students will achieve the CCPA certification if they take and pass a knowledge test and practical skills assessment with a score of 80% or better. The only way to earn the CCPA certification is by taking the exam along with an associated course, there is no test out available.

It is strongly recommended that students in this course complete the Cellebrite Mobile Forensics Fundamentals (CMFF) course or test out, as well as the Cellebrite Certified Operator (CCO) course prior to attending.



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Course Objectives:

- How to conduct advanced analysis on mobile devices
- Advanced search and analysis techniques
- Verification and validation of findings
- Generating custom reports
- 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>
UFED Physical Analyzer Overview 2 Hour (100 min. seat time)	<ul style="list-style-type: none">• Install Physical Analyzer• Install the Translation Package• Understand licensing options• Configure Physical Analyzer• Open extractions with Physical Analyzer• View data in Physical Analyzer
Android Overview and Analysis 4 Hour (200 min. seat time)	<ul style="list-style-type: none">• Understand a brief history of Android• Understand the popularity of Android• Understand Android hardware• Understand the Android OS and file system• Understand key aspects of Android security• Understand the value of Android to investigators
iOS Overview and Analysis 4 Hour (200 min. seat time)	<ul style="list-style-type: none">• Understand a brief history of Apple iOS• Understand the popularity of Apple iOS• Understand Apple hardware• Understand the Apple iOS and file system• Understand key aspects of Apple iOS security• Understand the value of Apple iOS to investigators



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Module and Estimated Time	Description and Objectives
Advanced Functions 5 Hour (250 min. seat time)	<ul style="list-style-type: none">• Using the Open > Advanced function• Analyzing location information• Using the translation function• Wear Leveling and Garbage Collection• Conducting a byte search and manually bookmark data• Conducting searches for 7-Bit• Using RegEx (regular expression) searches
Verification and Validation 1 Hour (50 min. seat time)	<ul style="list-style-type: none">• Conduct verification and validation of data decoded within the Physical Analyzer tool
Plug-Ins and Chain Manager 1.5 Hour (75 min. seat time)	<ul style="list-style-type: none">• Learn about the Plug-in Chain Manager and its capabilities• Demonstrate your ability to use the Plug-in Chain Manager
Reporting 1 Hour (50 minute timed exam)	<ul style="list-style-type: none">• Understand reporting options within UFED Physical Analyzer• Create a report based on evidentiary items
Certification Exam 1.5 Hours (90 min. time exam)	<p>The CCPA examination is a timed certification examination consisting of 40 randomly selected knowledge and practical questions related to:</p> <ul style="list-style-type: none">• Opening extractions in Physical Analyzer• Viewing data in Physical Analyzer• Android operating system history and analysis• iOS history and analysis• Wear leveling and garbage collection• Data encoding• Plug-in chains• Creating reports using Physical Analyzer

To learn more, visit
www.cellebritelearningcenter.com

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