HOST AGENCY: CENTRAL VIRGINIA CRIMINAL JUSTICE ACADEMY

MOBILE PHONE INVESTIGATIONS & CELLULAR RECORD ANALYSIS

PATC
TRAIN TO EXCELLENCE

FEBRUARY 8-10, 2027

TRAINING COST
$550

DOUGLAS KEIN
Instructor

REGISTRATION INFORMATION

Register at www. PATC.com or click here to view more course information and register.

COURSE OVERVIEW

Officers will learn to properly seize, preserve, and analyze mobile phones using forensic tools like Graykey, Cellebrite, and Axiom. The course covers data extraction from Apple and Android devices, cell site tracking, tower and area dumps, and network analysis. Hands-on training includes using forensic mapping tools to analyze geolocation data for investigations.

TRAINING LOCATION

Central Virginia Criminal Justice Academy
1200 Church Street
Lynchburg, VA 24504

HOTEL ACCOMODATIONS

Courtyard Lynchburg
4640 Murray Place
Lynchburg, VA 24502
Phone: 434-846-7900
Contact Hotel for Govt. Rate

QUESTIONS?
www.PATC.com
1-800-365-0119

3-DAY MOBILE PHONE INVESTIGATIONS & CELLULAR RECORD ANALYSIS

Instructor: Doug Kein – Doug has 13 years investigating high-technology crimes with an Illinois Police Department. While assigned to the Investigations division Doug created the police department's first digital forensics unit allowing for the processing of real time digital evidence assisting in the prosecution of ongoing criminal cases.
Doug brings real world hands-on experiences in conducting complex and high-stakes investigations where the digital artifacts developed during the investigation strengthen criminal cases. His work has spanned across critical domains such as child exploitation, violent crimes against people, cybercrimes, social media-based investigations, network intrusions and premeditated murders. Doug is a SME in Cellular Tower Analysis, Mobile Phone Tracking, Mobile / Computer Forensics, Vehicle Forensics, Social Media Analysis, Child Exploitation Investigations and drafting complex technical Search Warrant.
Doug is a member of the USSS Electronic Crimes, Cook County ICAC and a member of the International Association of Computer Investigative Specialists

Course Description:

Law Enforcement Officers will first learn about the proper way to seize, preserve, and analyze Mobile Phones. Mobile Forensic Tools such as Graykey, Cellebrite, and Axiom will be discussed. Students will be instructed on data that is stored on Apple and Android devices and how to use Cellebrite and Magnet to review phone extraction data. Students will be introduced to Cellular Network Technology and how Cell Site Location Information obtained from Cellular providers can be used in Criminal Investigations to locate a device historically and during live tracking. Tower dumps and area dumps will be discussed along with Cellular Network Analysis Drive Testing. This course will be a hands-on class where students will work with a forensic mapping tool to analyze geolocation data. Students will need a laptop with internet capability and Google Earth Pro for Desktop installed on their laptop. Bring a mouse to use with the laptop.

Day 1

8:00-8:30	Registration
8:30-9:30	Seizing cell phones
9:30-10:00	Introduction to Phone Forensics (Cellebrite, Graykey, etc)
10:00-10:45	Data stored on Apple devices and Android devices
10:45-11:30	Apple iCloud & 3rd Party Geolocation Tracking
11:30-12:30	Lunch (On your own)
12:30-2:00	Hands-on practical using Cellebrite Reader
2:00-4:00	Hands-on practical using Magnet Axiom Portable Case

Day 2

8:00-10:00	Introduction to Cellular Networks
10:30-11:00	Mobile Network Operators and Mobile Virtual Network Operators
10:30-11:15	Obtaining Provider records with Search Warrants
11:15-12:00	Analyzing Cellular Records
12:00-1:00	Lunch (On your own)
1:00-2:00	Paid Phone Lookup Tools
2:00-4:00	Forensic Mapping of Cellular Records Hands-on practical

3-DAY MOBILE PHONE INVESTIGATIONS & CELLULAR RECORD ANALYSIS

Day 3

8:00-9:00	Specialized Location records/Best Practices
9:00-10:00	Cell Tower Dumps/Area searches/Drive Testing/Fugitive Tracking
10:00-12:00	Forensic Mapping of Verizon RTT hands-on practical
12:00-1:00	Lunch (On your own)
1:00-1:30	Using LPR data and video surveillance in Geolocation Analysis.
1:30-2:00	Motor Vehicle Digital Evidence
2:00-4:00	Forensic Mapping of Timing Advance hands-on practical