



Northwest Illinois Criminal Justice Commission

Doug Coppotelli, Regional Director
2308 E. Lincolnway, Suite E - Sterling, IL 61081
Phone: 815-288-6695- Fax: 815-288-6787- www.mtu1.com

Mobile Team Unit #1 is funded in partnership with the Illinois Law Enforcement Training & Standards Board

Mobil Phone Investigations

DATE: May 6-7, 2024

Registration Ends: April 12, 2024

TIME: 8:00 AM—5:00 PM 16 Hours

LOCATION: Dixon Police Department 220 S Hennepin Ave, Dixon, IL

INSTRUCTOR: Detective Jeffrey German, City of Joliet Police Department

PURPOSE OF COURSE:

Law Enforcement Officers, Police Crime Analysts, and Prosecutors 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. Mobile phone location history using Advertiser ID location information, Apple iOS locations, and Google location history will be discussed. Google Geofence Data will be discussed and how this data can be used in unsolved and Cold Case Investigations. This course will be a hands-on class where students will work with Cellebrite reader and a forensic mapping tool to analyze Apple and Google location data. **Students will need a laptop or windows tablet (NO IPAD) 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 - 9:00 Proper procedures of seizing mobile phones
9:00 - 10:00 Digital Data and Mobile Forensic Tools
10:00 - 11:00 Apple & Android Data
11:00 - 12:00 3rd Party apps and Apple iCloud Warrants
12:00 - 1:00 Lunch (On your own)
1:00 - 2:00 Cellebrite practical
2:00 - 4:00 Hands-on practical with Apple iOS locations

Day 2

8:00 - 9:00 Introduction to Google and Google location data
9:00 - 11:30 Hands-on practical with Google location data
11:30 - 12:30 Lunch (On your own)
12:30 - 1:30 Advertiser ID Geolocation / Google Geofence Search Warrants
1:30 - 3:30 Hands-on practical with Google Geofence Data
3:30 - 4:00 Case Studies/Close out of course

Upon Completion:

Participants will be able to seize and handle cell phones properly to allow for the best evidence to be extracted using forensic tools. Participants will be introduced to different methods and tools to extract data from cell phones along with knowing the most efficient techniques to analyze phone records using Cellebrite. Participants will understand the device location information that iOS devices store along with data that Google stores in their own servers which can be obtained with a court order. Participants will learn the best way to leverage Google Device Locations using Geofence Warrants which can be used in current and Cold Case Investigations.



Instructor Biography:

Jeff German is a Detective with the City of Joliet, Illinois Police Department. Detective German has over 20 years' experience as a Police Officer and over 10 years' experience as a Detective and an Investigator for the Will/Grundy Major Crimes Task Force. Detective German is a subject matter expert in Cellular Record & Geolocation Analysis, Certified Forensic Mobile Examiner, Certified Forensic Video Technician, Certified Vehicle System Forensic Technician & Examiner, Fire Investigator, Lead Homicide Investigator, and Certified Evidence Repair Technician.

Partial funding provided by Illinois Law Enforcement Training and Standards Board and MTU#1's request for certification of this course has been approved by the Illinois Law Enforcement Training and Standards Board

REGISTRATION:

All registrations are received on the [MTU#1 website](#). Find Registration instructions [here](#). **THIS IS NOT A PUBLIC MEETING**