

East Central Illinois Mobile Law Enforcement Training Team

MTU #13

Course Announcement



Mobile Phone Investigations and Cellular

Record Analysis

October 20th-22nd, 2025

0830-1630 hrs

Denny Stewart Training Center

3121 Dewitt Avenue

Mattoon, Il.

Submit enrollment to:

Registration form at

www.mtu13.com

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. Mobile phone location history using Advertiser ID location information, Apple iOS locations, and Google location history will be discussed. 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. Google Geofence Data will be discussed and how this data can be used in unsolved and Cold Case Investigations. Students will learn the skills needed to conduct internet-based investigations along with obtaining evidence from Social Media companies. Students will learn the best practices on the preservation of content from Social Media Companies and obtaining records with a court order. Students will be introduced to Open-Source Intelligence Techniques that can be used to obtain evidence and information about Offenders without the need for legal orders. This course will be a hands-on class where students will work with a forensic mapping tool to analyze Apple, Google, and Cell Site Location Information.

Observed Mandates Include:

Civil rights

Const. Use of LE Authority

Procedural Justice

Please Bring to Class: Laptop or windows tablet, not IPAD along with Google Earth Pro for Desktop pre-installed .



Instructor: Jeffrey 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 8 years' experience as a Detective. Detective German is an Adjunct Faculty Instructor for the College of DuPage Homeland Security Training Institute, External Trainer for the National White Collar Crime Center (NW3C), and an Investigator for the Will/Grundy Major Crimes Task Force. Detective German is currently tasked with High-Tech Criminal Investigations for the Joliet Police Department Investigations Division where his duties are cell phone forensics, video forensics, major crimes investigations, and Geolocation analysis of mobile devices. Detective German is a subject matter expert in Call Detail Records and Geolocation Analysis and a LEVA Certified Forensic Video Technician. He is a Cellebrite Certified Mobile Examiner and a Magnet Certified Forensic Examiner. Detective German was awarded the VFW Officer of the Year award for 2009 and 2013. He was also awarded the State of Illinois VFW Officer of the Year in 2013.



This course is funded by the Illinois Law Enforcement Training and Standards Board.