Hi-Tech Investigations

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Intro to Hi-Tech Crime Investigations

Provides Law Enforcement, Crime Analysts, & Prosecutors a foundational understanding of investigative techniques used in Hi-Tech and digital crime cases. The course introduces legal processes, digital forensics, cellular record analysis, tower dumps, vehicle forensics, internet investigations, and child exploitation investigations.

March 22-23, 2027

Franklin County Public Safety Training Center

Chambersburg, Pennsylvania 17202

HI-TECH INVESTIGATIONS HTI TRAINING

$450.00

www.hi-techinvestigations.com

Hi-Tech Investigations, LLC
https://www.hi-techinvestigations.com

Intro to Hi-Tech Crime Investigations (2 days)

This course provides Police Officers & Investigators, Crime Analysts, Digital Forensic Examiners, and Prosecutors with a foundational understanding of investigative techniques used in hi-tech and digital crime cases. Students will learn legal authorities used to obtain digital evidence including grand jury subpoenas, search warrants, and exigent circumstance requests. The course introduces digital forensics, cellular record analysis, tower dumps, vehicle forensics, internet investigations, and child exploitation investigations. **Students will need a laptop or windows tablet (NO IPAD) with internet capability.**

Day 1 Schedule

- Introduction to High-Tech Crime Investigations
- Legal Process: Grand Jury Subpoenas, Search Warrants, Preservation Letters, Exigent Circumstances
- Service Provider Records and Investigative Returns
- Call Detail Records (CDR) Overview
- Cell Tower Fundamentals and Sector Analysis
- Mapping Historical Cell Site Data
- Digital Forensics Fundamentals
- Evidence Handling and Forensic Imaging

Day 2 Schedule

- Child Exploitation Investigations Overview
- Online Platforms and Peer-to-Peer Networks
- IP Address Attribution and Subscriber Records
- Digital Evidence in Child Exploitation Cases
- Vehicle Infotainment and Telematics Forensics (BERLA)
- Timeline Reconstruction and Investigative Correlation
- Case Study Exercise
- Courtroom Preparation and Reporting

Upon Completion:
Upon completion of this course, students will be able to:

- Identify common sources of digital evidence in criminal investigations
- Understand the legal process required to obtain electronic records
- Interpret basic cellular and call detail record data
- Recognize digital forensic artifacts from computers and mobile devices
- Understand the evidentiary value of vehicle infotainment and telematics data
- Integrate multiple digital evidence sources into investigative timelines

Instructor Biography:

Doug Kein is a Sergeant with the Orland Park, Illinois Police Department. A highly experienced and certified Digital Forensics Investigator with over 25 years of experience in law enforcement, specializing in mobile and computer forensics, digital crime scene investigations, and evidence recovery. Proven expertise in forensic data acquisition, analysis, and expert witness testimony. Known for delivering complex forensic examinations in criminal investigations involving child exploitation, violent crimes, network intrusions, and cybercrimes. Demonstrated leadership in managing and mentoring teams, creating detailed investigation reports, and providing in-depth technical training to officers and external agencies.