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Courses are presented in partnership with the International Association for Identification.

ADA / Special Accommodations

To ensure we can accommodate persons with special needs who wish to attend our courses, please be sure to identify the accommodation needed when you register, or if applicable, at the time you register by phone.

Host a course

By hosting one of our courses, you will be providing your agency's personnel and the forensic professionals in your area with a high-quality training opportunity, right in your local area. This means less cost to you or your agency for expenses such as travel, lodging, and meals, and less time away from home and family. Plus, hosts can qualify for tuition savings. For more information, visit tritechtraining.com.



Crime Scene Investigations

Instructor: Shelly Dill, MS, CCSA

July 24 - 28, 2023

Tuition: \$629 | Hours: 8 am - 5 pm

Location:

Billings Police Department
4810 Midland Road | Billings, MT 59101

Lodging Information:

Hampton Inn by Hilton
5110 Southgate Drive | Billings, MT 59101
(406) 248-4949

For hotel booking information, go to the course page on our training site at www.tritechtraining.com.

This course has been approved by multiple certification/recertification training credit by the IAI Certification Boards. Please visit our IAI Certifications page to see these approvals.



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ABOUT TRITECH

A leader in the forensics market, Tri-Tech Forensics provides evidence collection and crime scene investigation products and training to crime labs and crime scene investigators throughout the world. With over 30 years of experience, we are the nation's most proficient developer and manufacturer of forensic kits. We are committed to providing our customers with state-of-the-art forensics products and services at affordable prices. It is our goal, through our research and development program, to continue to develop superior products and training to aid in all aspects of crime scene investigation and crime lab analysis. We know how important our products and training are to the forensics community, from investigation to prosecution. Our mission is the same as our customers – *Identify. Protect. Preserve.*

COURSE DESCRIPTION

Crime Scene Investigations

This five-day (40 hour) Crime Scene Investigation course is intended for crime scene investigators/technicians, forensic technicians and detectives/investigators in the early stages of their career. This hands-on course is designed to familiarize law enforcement personnel with the basic technical skills needed to identify, document, preserve and collect the most common types of physical evidence found at crime scenes. Attendees will participate in numerous practical exercises to establish baseline knowledge in everything from crime scene documentation and photography to collecting various types of evidence for additional laboratory processing. Attendees will also be given an opportunity to learn fingerprint and latent print processing techniques utilizing a variety of chemicals and forensic light sources.

Day One and Two:

Crime Scene Investigation Overview

- Processing versus Analysis
- Types of Scenes & different approaches to processing of each
- Scene security
- Search and identify physical evidence along with the "unseen" evidence may be present marking of the evidence
- Evidence Analysis
- Types of Physical and Pattern Evidence
- Types of Biological Evidence
- Bloodstain pattern recognition
- Arson / Explosives
- Drugs
- Collection of Evidence and Packaging
- Bloodstain exercise

Day Three:

Photography

- Cardinal Rules
- Photo Identifier and documentation forms
- Overall, Midrange, and close-up photographs
- Photographing wounds, bodies and sensitive areas
- Exposure Stops
- Exposure Variables
- Exposure Modes
- Challenging scenes (weather conditions, backlit areas,

extreme darkness, etc.)

- Use of Flashes and oblique lighting
- The Electromagnetic Spectrum
- Photography exercise

Death Investigations and scene processing

- Manner of Death
- Rigor Mortis, Livor Mortis, Putrefaction, etc.
- Entomology
- Injuries and wound types
- Autopsy procedures

Day Four:

Fingerprints and Latent Processing Techniques

- What are fingerprints?
- Types of fingerprints: Patent, Latent and plastic prints
- Porous, non-porous and semiporous surfaces
- Other surfaces (sticky side tape, cardboard, wood, etc.)
- Processes and Procedures used to Develop Latent Prints
- Photographing the fingerprint
- Lifting with various mediums (tape, gel lifters, glue, etc.)
- Basic latent print development exercises

Report writing

- What is important and what is not necessary

Depositions / Trials / Preparing to testify

- CSI Effect
- Courtroom tips and pitfalls
- Trial video clips

Day Five:

- Mock Crime Scene
- Analysis of the scene
- Photographs
- Identify pertinent evidence
- Sketch/Measurements
- Process the evidence for latent prints and/or DNA
- Write a report for the mock crime scene
- Submit the report, the sketch and any notes to the instructor

** Attendees are encouraged to bring any digital camera equipment normally issued by their agency. All other equipment and forensic supplies will be provided.

COURSE INSTRUCTOR

SHELLY DILL, MS, CCSA



Ms. Shelley Dill earned her Bachelor of Arts Degree (BA) in Sociology with a concentration in Criminal Justice and with a Political Science minor from Westminster College in Pennsylvania in 1999. After college she worked as a Juvenile Probation Officer for seven years. During that time, she attended two Probation and Parole Academies and the Cyril H. Wecht Institute of Forensic Science and Law at Duquesne University in Pittsburgh, Pennsylvania. In 2006, she was hired as a Crime Scene Technician with the Escambia County Sheriff's Office in Pensacola, Florida. In 2014, she attended Troy University and earned a Master of Science in Criminal Justice.

While at Escambia County Sheriff's Office, Ms. Dill advanced to a Crime Scene Technician III after receiving specialized training in numerous investigative disciplines including crime scene processing, proper documentation, digital photography, alternative light source photography, sketching, shooting reconstruction, blood stain pattern analysis, latent print chemical processing, fingerprint comparisons, forensic supervision and much more.

As an adjunct instructor for Pensacola State College, Ms. Dill developed and instructed courses such as Advanced Crime Scene, Crime Scene Safety, Introduction to Criminalistics, Biological Evidence, Crime Scene Photography I, and Crime Scene Photography II. Ms. Dill has utilized the skills she learned over the years in the forensic field to instruct crime scene technician trainees, deputies, cadets and District One Medical Examiner Investigators on crime scene techniques and photography. She has written and co-authored numerous policies, manuals, grants and proposals for her agency. Ms. Dill has focused the last few years on photography and chemical processing techniques for fingerprint development and has been instrumental in obtaining new technology for the agency.