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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.



Advanced Bloodstain Pattern Analysis

Instructors:

Heidi Sievers, PhD, CBPA, CCSI and Austin Sievers

August 5 - 9, 2024

Tuition: \$809 | Hours: 8 am - 5 pm

Location:

City of Fairfax Police Department
3730 Blenheim Blvd. | Fairfax, VA 22030

Lodging Information:

Courtyard by Marriott Fairfax Fair Oaks
11220 Lee Jackson Memorial Hwy | Fairfax, VA 22030
703-273-6161

Go to the course page at www.tritechtraining.com for hotel rate and booking info.



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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.*

Advanced Bloodstain Pattern Analysis

This Advanced Bloodstain Pattern Analysis training course is designed for experienced investigators who routinely investigate and are involved on bloodstained scenes.

The course will enforce and focus on the fundamental principles of bloodstain pattern analysis, introduce advanced mathematical principles, examination of complex bloodstains, sequencing of stains, analyzing textiles and fabrics, report writing, and experimentation. Both lecture and practical, mock scenarios will be incorporated.

LEARNING OBJECTIVES:

Reinforce principles of bloodstain pattern analysis on advanced scenario settings

Develop and apply scientific methodologies to experimentation

Identify, classify, and provide analyses related to complex stain patterns

Apply bloodstain pattern analysis methodologies to photograph review

DAY 1 - Students will be provided a review of the basic bloodstain pattern analysis course to reinforce objectives, methodologies, and proper terminology of bloodstains.

DAY 2 - Students will be introduced to complex patterns and case scenarios that focus on sequencing of patterns. Students will also be provided an overview of the scientific method and experimental design and how it applies to bloodstain pattern analysis. Students will continue working through case review scenarios.

DAY 3 - Students will be review fundamentals of bloodstains on fabric and textiles and discuss the examination of clothing as evidence as well as applying the scientific method and experimental design.

DAY 4 - Students will review and be introduced to advanced report writing procedures as it relates to bloodstain pattern analysis. Students will practice descriptions of stains based on size, shape, appearance, and distribution. Students will be introduced to courtroom testimony procedures as well as bias within bloodstain pattern analysis. Students will also be introduced to conducting bloodstain pattern analysis from photographs.

DAY 5 - Students will apply the knowledge, skills, and principles learned in days prior to complete a cumulative practical exercise. Students will be provided a mock crime scene scenario that they must properly document, photograph, mathematically calculate area of convergence and origin, and provide an analysis through written report. A synopsis of the case will be presented to the class and the photographs and reports will be submitted to the instructor for review and feedback.

**It is recommended that students have previously completed a basic bloodstain pattern analysis course or have experience in the field documenting bloodstain patterns.*

*** Students will need to bring the following equipment, if possible:*

- DSLR camera
- Tripod
- Macro Lens
- External Flash

Scales and manual calipers will be provided. Please bring a digital caliper, if you wish.



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COURSE INSTRUCTORS

Heidi Sievers, PhD, CBPA, CCSI and Austin Sievers



HEIDI SIEVERS, PH.D., CBPA, CCSI

Heidi Sievers holds a PhD in Criminology and a Master's Degree in Forensics and Criminal Justice. She is an International Association for Identification Certified Bloodstain Pattern Analyst (CBPA) and Certified Crime Scene Investigator (CCSI).

She has completed over 500 hours of forensic-related training courses. She spent four years as a forensic investigator and human remains detection canine handler, in a law enforcement capacity, before moving on as an independent bloodstain pattern analysis consultant, trainer, and college professor for the past two years. She has taught both undergraduate and graduate-level forensic coursework at three regionally accredited universities, as well as, served as program director and chair over forensic investigation and crime scene technology.

She owns Sievers Forensics, which specializes in bloodstain pattern analysis training, case consultation, and research. Sievers Forensics has assisted local and state law enforcement agencies,

such as Sheriff's Offices, Medical Examiner's Office, and Florida Highway Patrol, in both case review and training courses. Her training courses in basic and advanced bloodstain pattern analysis, bloodstain documentation, and bloodstain enhancement and detection have all received IAI approval for both initial and recertification for the crime scene certifications (CCSI, CCSA, CSCSA) and bloodstain certification (CBPA).



AUSTIN SIEVERS

Austin Sievers is a former certified law enforcement officer through the State of Florida previously serving Pasco Sheriff's Office. Prior to being assigned to patrol, he was a forensic investigator with the same agency. Given his unique experience of forensics prior to certified law enforcement, he provided forensic processing training to a number of deputies both within his squad as well as the agency overall.

Austin holds a Bachelor of Science Degree in Forensic Science. Currently, he serves as a trainer and consultant with Sievers Forensics, which focuses on forensic case and evidence review, as well as, providing forensic training to both academic institutions as well as law enforcement agencies.

Austin's specialty is providing the unique training of forensics for law enforcement to assist deputies and detectives in understanding evidence and processes, as well as, providing the skills to accomplish them in the event they do not have

access to a forensic unit. His goal is to ensure all entities of law enforcement have a comprehensive understanding of the role of forensics and evidence.