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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](http://tritechtraining.com).



# Basic Bloodstain Pattern Analysis Workshop

## Instructors:

**Gary Graff, CBPA & Iris Dalley Graff**

**April 24 - 28, 2023**

**Tuition: \$749 | Hours: 8 am - 5 pm**

## Location:

Chattanooga Police Department  
3410 Amnicola Highway | Chattanooga, TN 37406

## Lodging Information:

Hampton Inn & Suites Chattanooga Hamilton Place  
2014 Hamilton Place Blvd | Chattanooga, TN 37421  
(423) 602-7840



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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.*

# Basic Bloodstain Pattern Analysis Workshop

This 5-day (40 hour) Bloodstain Pattern Analysis Workshop is designed for detectives, forensic technicians, crime scene analysts, and others involved in bloodstain pattern analysis (BPA). Through lecture and practical exercises, attendees learn and practice accepted methodologies for identifying, documenting, and classifying bloodstain patterns. The fluid dynamics of blood and the association of bloodstain characteristics with the actions that caused them is explored.

## Class Requirements

The workshop is designed to develop fundamental knowledge of bloodstain pattern analysis principles and methodologies. No prerequisites; prior investigative or crime scene experience is required.

## Course learning Objectives

- Demonstrate knowledge of the history and development the bloodstain pattern analysis discipline
- Demonstrate knowledge of the inherent limitations of bloodstain pattern analysis
- Identify and accurately describe discreet bloodstain patterns
- Demonstrate the relationship between blood fluid dynamics and bloodstain characteristics
- Identify forces associated with the creation of various types of bloodstains

- Demonstrate ability to create a variety of discreet bloodstain patterns
- Demonstrate ability to estimate impact angles of bloodstains
- Demonstrate ability to identify point of convergence of related bloodstains.
- Demonstrate ability to relate impact angles with points of convergence to estimate area of origin of bloodstains
- Recognize proper protective measures to be used in bloodstain scenes
- Demonstrate proper photographic and written documentation methods for bloodstain scenes
- Demonstrate ability to identify discreet patterns in a basic bloodstain pattern scene
- Identify criteria for sequencing bloodstain patterns
- Recognize factors which may contribute to contextual and confirmation bias in bloodstain pattern analysis
- Identify procedures which promote objectivity and minimize bias in bloodstain pattern analysis
- Identify basic format for a bloodstain pattern analysis report
- Identify criteria for expert testimony in bloodstain pattern analysis



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#### COURSE INSTRUCTORS

# Gary Graff, CBPA & Iris Dalley Graff

## GARY GRAFF, CBPA



Gary W. Graff, retired FBI Special Agent, investigated violent crimes, sex crimes, fraud and property crimes. He specialized in complex cases, many of which were coordinated with state and local law enforcement. He has substantial trial and testimonial experience and extensive training and experience in crime scene processing, sketching and reconstruction, shooting incident reconstruction, and blood stain pattern analysis. He was a certified police instructor, SWAT member and instructor, firearms instructor, and member of the FBI's Evidence Response Team. Mr. Graff has a Bachelor of Science degree in Electrical Engineering and is a graduate of the FBI National Academy. He provides instruction in general investigative methods, crime scene and shooting incident reconstruction and bloodstain pattern analysis.

## IRIS DALLEY GRAFF



Iris Dalley Graff served as a Special Agent for the Oklahoma State Bureau of Investigation (OSBI), retiring in 2009. During her career, she conducted laboratory analysis, crime scene investigation, and worked with various police agencies in processing and investigating hundreds of violent crime cases. Iris has a B.S. in Biology and Masters in Secondary Sciences. Iris is a Fellow and Distinguished Member of the Association for Crime Scene Reconstruction and former president of the International Association of Bloodstain Pattern Analysts. Iris has decades of experience in providing case consultation, expert testimony, forensic analysis and instruction in bloodstain pattern analysis, crime scene reconstruction, and shooting incident reconstruction, in the United States and other countries.