



This course is being presented under contract. Please register your student with Derek Foote at OPATA. Derek Foote's email address is Derek.Foote@OhioAGO.gov.



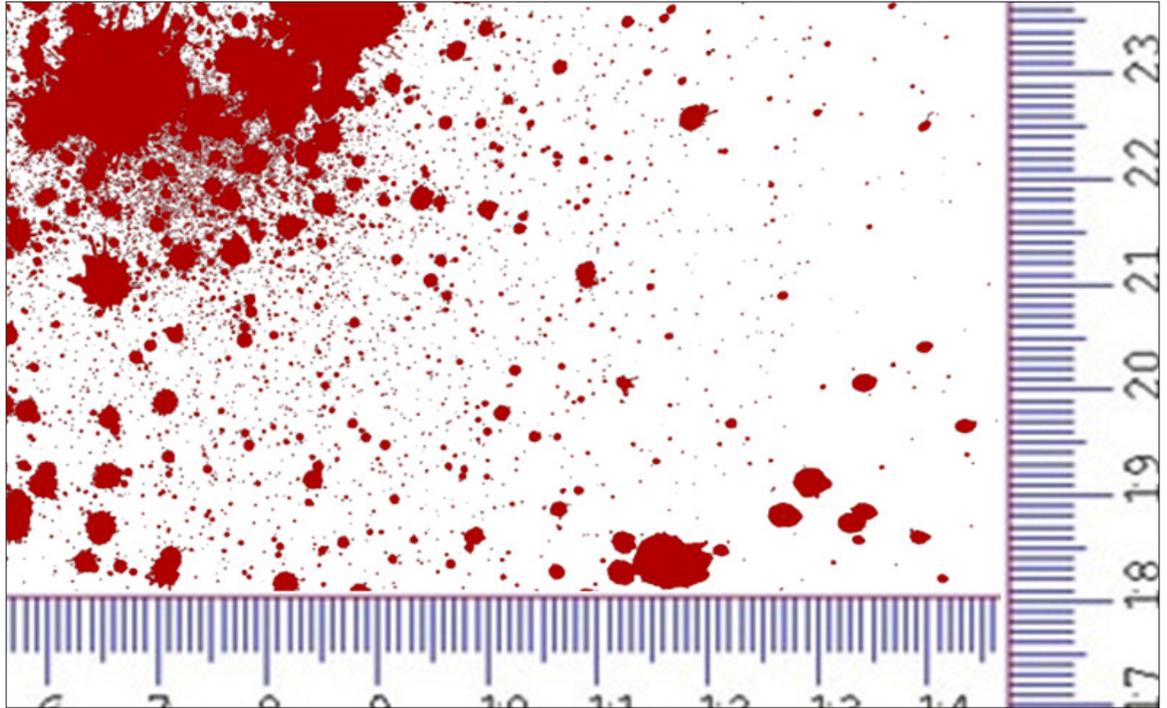
Courses are presented in partnership with the International Association for Identification.

#### 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

**Instructors:**

**Holly Latham, CBPA, CLPE**

**&**

**Amy Santoro, CBPA, CSCSA**

**September 18 - 22, 2023**

**Hours: 8 am - 5 pm**

**Location:**

**Ohio Peace Officers' Training Academy**

**1650 State Route 56 SW**

**London, OH 43140**



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# Basic Bloodstain Pattern Analysis

This 40-hour Bloodstain Pattern Analysis (BPA) course is designed for the student who wants to learn how to correctly identify and document bloodstain patterns. It will begin with the fundamental principles of BPA and theories behind pattern formation, and evolve to practical application including scenario based training and mock scenes.

Classroom presentations are supplemented with numerous hands-on activities, and more than 50% of the class is dedicated to practical application.

By the end of the training the student will feel comfortable analyzing a scene and be able to understand the actions that could or could not have occurred. This class will be useful to crime scene investigators, laboratory personnel who analyze bloodstained evidence, detectives who interview individuals involved in scenes of bloodshed and prosecutors who should have an understanding of the discipline before presenting BPA evidence in court.

## COURSE OBJECTIVES

- Develop an understanding of the physical characteristics of bloodstain patterns
- Learn how to correctly document and collect bloodstains and bloodstain patterns
- Develop an understanding of the physics and mathematics of blood in motion
- Understand how bloodstain pattern analysis can be utilized to aid in case reconstruction

## COURSE CONTENT

- History of bloodstain pattern analysis
- Composition of blood
- Physics of blood and blood in motion
- Bloodstain terminology
- Bloodstain pattern analysis methodology
- Bloodstain pattern characteristics and identification
- Documentation and collection of bloodstains
- Determining area of convergence and area of origin in impact patterns
- Case examples utilizing bloodstain pattern analysis
- Limitations of bloodstain pattern analysis
- Introduction to report writing and courtroom testimony
- Bloodstain pattern analysis reconstruction



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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 INSTRUCTORS

## Holly Latham, CBPA, CLPE & Amy Santoro, CBPA, CSCSA

### HOLLY LATHAM, CBPA, CLPE



Holly Latham has been employed as a Forensic Scientist since 1999. Her current duties include latent print and bloodstain pattern analysis in addition to serving on her agency's Crime Scene Response Team. Holly also is the Technical Leader for her agency's Bloodstain Program and is responsible for authoring the BPA Training Manual and SOPs.

Holly holds a Bachelor of Science Degree in Microbiology from Kansas State University and a Master's Degree in Justice Studies from Fort Hays State University. Holly is court qualified as an expert in bloodstain pattern analysis and latent print examination. She has instructed classes on bloodstain pattern analysis in fourteen states, Canada, and for the National Forensic Academy (NFA).

Holly is the Executive Secretary of the Bloodstain Pattern Analysis Subcommittee for Organization of Scientific Area Committees (OSAC), is a member of the Bloodstain

Certification Board for the International Association for Identification (IAI), and serves on the Editorial Review Board for the Journal of Forensic Identification. She is also the Regional Representative and Chair of the Bloodstain Certification Committee for the Kansas Division of the IAI. Holly is both a Certified Bloodstain Pattern Analyst (CBPA), and a Certified Latent Print Examiner (CLPE).

### AMY SANTORO, CBPA, CSCSA



Amy Santoro has worked in forensic science since 2008. She holds a Bachelor of Science degree in Forensics and a Master of Science in Forensic Science. Amy is recognized by the International Association for Identification as a Certified Crime Scene Analyst. She is currently a crime scene investigator in the Kansas City area, specializing in shooting incident reconstruction and bloodstain pattern analysis. Previously, Amy worked as a forensic analyst specializing in forensic biology and body fluid identification.

Amy enjoys teaching and has taught courses in crime scene investigation and forensic photography to law enforcement and forensic practitioners. She is also an adjunct university professor, teaching undergraduate classes in forensic biology and general forensic science.