TRITECH TRAINING FORENSICS
State-of-the-Art Training for the Modern Forensic Professional

3811 International Blvd., Suite 100, Leland, North Carolina 28451
910.457.6600 x1025 | Cell: 954.806.2123 | tritechtraining.com | phil@tritechusa.com

To register, visit tritechtraining.com or contact our Training Director Phil Sanfilippo at 800.438.7884 ext. 1025 or by email at phil@tritechusa.com.

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

ADA / Special Accomodations

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.

Basic Bloodstain Pattern Analysis

Instructor:

Anna Cox, MFS

August 17-21, 2026

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

Location:

Union County Sheriff's Office
3370 Presson Road | Monroe, NC 28112

Lodging:

Best Western Inn & Suites – Monroe
2316 Hanover Drive | Monroe, NC 28110
704-283-4746

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.*

Basic Bloodstain Pattern Analysis

This course is designed for crime scene investigators, forensic scientists, detectives, and members of the criminal justice system interested in the application of bloodstain pattern analysis at crime scenes. The course focuses on providing fundamental knowledge of the basic principles of bloodstain pattern analysis and practical application of the learned principles to crime scene investigations.

Students will learn fundamental techniques and procedures in identifying, documenting, and defining bloodstains and patterns at scenes and on evidence through classroom lectures, case study presentations, and practical experimentation. They will learn how to interpret the size, shape, and distribution of bloodstains to determine the mechanism of blood distribution and how to analyze various bloodstains and patterns directly related to the blood-letting events.

The practical exercises provide the opportunity for students to apply the knowledge learned during the lectures. They will participate in experimentation using liquid blood, determine the area of convergence and origin of blood patterns, sequence blood events, and examine bloodstains and patterns on clothing.

Successful completion of the course will provide the student with a strong foundation of how to begin to apply bloodstain pattern analysis to actual crime scene investigations.

COURSE OBJECTIVES

- Demonstrate knowledge of the history and advancements of the discipline of bloodstain pattern analysis
- Understand the physics of bloodstain and pattern formation and develop an understanding of the physical characteristics of bloodstains and patterns
- Determine angles of impact of individual bloodstains utilizing mathematics
- Determine area of convergence and area of origin within a pattern
- Learn how to properly select enhancement chemicals
- Understand how to properly document bloodstains and patterns at the scene, on individuals, and on evidence
- Demonstrate an ability to select samples for serological and DNA testing
- Demonstrate knowledge of the scientific methodology required to complete a full and accurate bloodstains pattern analysis
- Demonstrate knowledge of how to author the technical portion of a report

Case Studies will be presented throughout each day to provide students with how concepts learned during lectures were applied to actual casework.

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COURSE INSTRUCTOR

Anna Cox, MFS

Anna M. Cox, MFS, has worked in the field of forensics for over 25 years. She began her career as a volunteer autopsy technician for the Hillsborough County Medical Examiner's Office in January of 2000. In July of 2000, Anna was hired by the Pinellas County Sheriff's Office Forensic Science Section as a Forensic Science Specialist. She began her bloodstain pattern training in June 2001. Prior to leaving the sheriff's office in June 2013 to begin consulting and providing training, Anna was a member of the Major Case Response Team and the primary bloodstain pattern analyst at the sheriff's office. She was often requested by other agencies in Florida to perform bloodstain pattern documentation and analysis under mutual aid. Anna also specializes in chemical enhancement of latent and blood patterns.

Anna has provided bloodstain pattern analysis and conclusions in over 260 violent crime and homicide cases in 5 states and in federal jurisdictions. She still responds to active crime scenes to assist agencies throughout the state of Florida with their investigations. She has provided expert testimony over 150 times as a Bloodstain Pattern Analysis expert in many of the jurisdictions. She is a member of the International Association of Identification and a grant peer reviewer for the United States Department of Justice.

Anna earned a Bachelor of Science Degree from Juniata College in Huntingdon, Pennsylvania. She has a Certificate in Crime Scene Technology from St. Petersburg Junior College, a Graduate Certificate in Forensic Death Investigation from the University of Florida, and a Master of Forensic Sciences with Specialization in Investigation from National University in San Diego, California. Her thesis was titled "Differentiating Impact Spatter from Transfer Stains on Textiles: Does the Introduction of Stain Resistant Moisture Wicking Fabric in Men's Athletic Shirts Prohibit Correct Identification?" The yearlong thesis project required strict adherence to the Scientific Method and peer-review.

Anna has instructed coursework in Basic and Advanced Bloodstain Pattern Analysis, Homicide Processing Techniques and Chemical Enhancement of Latent and Blood Patterns for law enforcement agencies, universities and professional associations. She was also an adjunct instructor for the St. Petersburg Junior College Crime Scene Technology Program.