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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.



Basic Analysis of Bloodstain Pattern

Instructors: Todd Crosby, BS & Brian Hargrove, BS

March 21 - 25, 2022

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

Location:

Ontario Police Department
2500 S Archibald Ave | Ontario, CA 91761

Lodging Information:

Holiday Inn Express & Suites Ontario Airport
2280 South Haven Ave. | Ontario, CA 91761
909-930-5555

Room Rate: \$111 plus tax | Free Breakfast, Parking, & Wi-Fi, and Free Airport Shuttle
Booking Info: Call the hotel and mention tTri-Tech Forensics to reserve this special rate.



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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 Analysis of Bloodstain Patterns

Day 1

- Pretest
 - What is BPA? What can it do for you?
 - Case Presentation
 - Composition of Blood
 - Physics of Blood
 - Description of Bloodstains
- Drip Stains and Drip Trails
- Experiments:
 - Drips as a function of volume and distance fallen
 - Drips as a function of angle
 - Drips as a function of surface textures
 - Drip stains off of weapons vs. stain size
- Transfer, Swipe, and Wipe
- Experiments:
 - Transfer patterns
 - Swipe patterns
 - Wipe patterns
 - Drip stains as a function of motion and distance
- Projected, Splash, Drip
- Experiments:
 - Projected Patterns
 - Splash Patterns
 - Drip Patterns

Day 2

- Impact Patterns
- Forward spatter and Back spatter
- Cast Off Patterns
- Experiments:
 - Impact patterns as a function of force and distance
 - Impact patterns as a function of

volume of blood

- Impact patterns as a function of weapon used
- Cast Off patterns as a function of direction of travel and weapon used
 - Impact patterns – Gun shot
- Mathematics
- Angle of Impact
- Practical Exercises:
 - Measure angle boards
- Area of Convergence
- Area of Origin
- Practical Exercises:
 - Find A of C and A of O

Day 3

- Preservation and Evaluation of Scene
- Preservation
- Clothing and other surfaces
- Environmental Factors
- Post Incident Activity
- Practical Exercises:
 - Pattern Recognition

Day 4

- Documentation
- Collection and Packaging of Evidence
- Practical Exercise:
 - CRIME SCENE

Day 5

- Scientific Method
- Report Writing
- History
- Crime Scene Presentations
- IABPA/ACSR Application Endorsements
- Course Evaluations
- Final Test



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COURSE INSTRUCTORS

Todd Crosby, BS & Brian Hargrove, BS

TODD CROSBY, BS

Todd Crosby has served as a law enforcement officer for over 30 years. He has spent 20 years as a special agent with the Georgia Bureau of Investigation, where he served as a Crime Scene Specialist and Homicide Investigator.

Todd currently serves as the Special Agent in Charge at the GBI Region 13 Perry, Georgia Office and is the Crime Scene Program Coordinator for the GBI Crime Scene Specialist. He served 6 years with the Baldwin County Sheriff's Office, 3 of those years as the Sex Crimes/Child Abuse Specialist and Crime Scene Technician.

He is a graduate of Georgia College and State University and the University of Tennessee National Forensic Academy. He is a recipient of the Dr. William Bass Award for Outstanding Achievements in Forensic Investigations.

Todd has testified as an expert witness in the areas of crime scene investigation, bloodstain pattern analysis, shooting incident reconstruction and crime scene reconstruction. He serves as a teaching associate at the National Forensic Academy and teaches local law enforcement at the Georgia Public Safety Training Center. He is also a guest lecturer at universities and other training academies

BRIAN HARGROVE, BS

Brian Hargrove has been in law enforcement since 1999, with the last 14 years employed with the Georgia Bureau of Investigation. Prior to his time as a GBI agent, Brian served as a detective for the Baldwin County Sheriff's office. Brian was a GBI crime scene specialist for 10 years. The last two years in the crime scene program, Brian served as a technical leader, responsible for providing training and quality control within the program. Brian has worked over 500 crime scenes related cases, with the majority of these cases being homicides, officer use of force, and sexual assault investigations.

Brian is a graduate of Georgia College & State University and the National Forensic Academy, Session 31. He has been qualified, and testified as a subject matter expert in areas of crime scene analysis, bloodstain pattern analysis, and shooting incident reconstruction. Brian has instructed for the US Dept of State, Georgia Network to End Sexual Assault, and the National Forensic Academy, where he serves as a teaching associate. He has also served time as a guest lecturer for Georgia Military College and Georgia College & State University. Brian is also an active member of the International Association of Bloodstain Pattern Analysts.

Brian currently serves as the Assistant Special Agent in Charge of the GBI Region Six office in Milledgeville, Georgia.