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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).



**Newly expanded! Now 32 hours!**

# Advanced Crime Scene Investigations

**Instructor: Amy Santoro, MS, CBPA, CSCSA**

**August 28 - 31, 2023**

**Tuition: \$629 | Hours: 8 am - 5 pm**

#### Location:

Tucson Police Department  
945 E. Ohio Street | Tucson, AZ 85714

#### Lodging Information:

Doubletree by Hilton Tucson Downtown Convention Center  
280 S Church Avenue | Tucson, Arizona 85701  
520-372-7100

**Room Rate: \$104 per night** | Parking: Self: \$16 - Valet: \$23

**Booking Info:** Please call the hotel or use the hotel booking link on the course page, to receive this special rate.

**CERTIFICATION INFORMATION:** This course has been approved for certification/recertification training credit by the IAI Crime Scene Certification Board.



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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 DESCRIPTION

# Advanced Crime Scene Investigations

This 32-hour course is designed for crime scene investigators, technicians, and detectives who have a moderate level of experience working in the field of crime scene investigations.

### Topics:

#### Advanced Biological Evidence Processing:

- Students will learn the scientific underpinnings of presumptive and confirmatory tests for blood, semen, and saliva. Students will learn how to better explain the reactions while testifying in a court of law. (lecture)
- Implementing a non-destructive blood searching workflow: students will learn the best way to process scenes when searching for latent blood to ensure the best possible sample is collected for DNA analysis (lecture and hands on)
- Students will evaluate complex overlapping bloodstain patterns and evaluate stains for collection (lecture and hands on)
- Students will learn about sequential processing with regard to biological evidence and chemical enhancement

#### Processing Sexual Assault Scenes: Beyond the Bedsheets:

- Building on the skills they learned on day one, students will learn about processing major sexual assault crime scenes, including scenes from prolonged/consistent sexual abuse.

- Students will learn how to systematically search and process evidence for the presence of seminal fluid with the goal of selecting the best stains for laboratory DNA analysis and streamlining the evidence submission process (lecture and hands on)
- Students will learn about advanced on-scene dead body processing in sexually motivated homicides, including developing latent prints from human skin

#### Processing Major Scenes:

- Students will learn how to prepare for mass fatality scenes (including homicides of multiple persons/mass shootings)
- Students will learn a systematic approach for dealing with bullet damage in major crime scenes, including scenes with multiple areas of damage on various substrates. A methodology for tracing bullet flight path and "road mapping" corresponding damage will be discussed.
- Students will learn how to evaluate potential firearms evidence on scene, how to evaluate fired projectiles to associate them to areas of damage present within the scene, and how to triage evidence for forensic laboratory analysis, and how to triage evidence to gather information about the minimum number of firearms involved in an event
- Advanced persons processing lecture: discussion about processing witnesses, suspects, and victims as it relates to sexual assaults and homicides. Topics will include sequential processing of potential shooters and ALS photography of assault victims (to document trace and biological evidence as well as latent/healed injuries).

## COURSE INSTRUCTOR

### Amy Santoro, MS, 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.

