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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).



# Practical Shooting Incident Reconstruction

## Instructor:

**Matthew Steiner, MS, CSCSA**

**June 24 - 28, 2024 | 8 am - 5 pm**

**Tuition: \$729**

## Course Location:

**Rensselaer County Sheriff's Office  
4000 Main Street | Troy, NY 12180**

## Lodging Information:

**Hilton Garden Inn  
235 Hoosick Street | Troy, NY 12180  
518-272-1700**

For more lodging information, see the course page on [www.tritechtraining.com](http://www.tritechtraining.com).

\*See the IAI Certification page on our website at [tritechtraining.com](http://tritechtraining.com) for all the certification/re-certification credits from the IAI Certification Boards.



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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

### Practical Shooting Incident Reconstruction

The Practical Shooting Incident Reconstruction course is designed for police officers, detectives, criminalists, forensic scientists, and crime scene investigators who would be tasked to investigate a shooting scene. The course focuses on firearms mechanics; ballistic trajectories; how bullets interact with various surfaces; and practical recognition, documentation, processing, and analysis of shooting scene evidence. Students will review real-world cases, investigate mock scenes, and gain experience with empirical testing and experimentation.

This course includes many hands-on experiments and practical exercises.

#### Topics Include

- Understanding Internal Ballistics
- Comprehending External Ballistic paths
- Interpreting Terminal Ballistic Damage
- Orientation, sequencing, position, and range of firearm discharge
- Document and reconstruct trajectories
- Location and positioning of victim
- Application of chemical reagents
- Proper use trajectory reconstruction tools and techniques
- Documentation techniques
- Notes and Reports
- Diagrams
- Laser Scanning
- Photography

## COURSE INSTRUCTORS

### MATTHEW STEINER, CSCSA

Matthew Steiner is a First Grade Detective with the New York City Police Department's Crime Scene Unit. He is a twenty-four-year veteran with over nineteen years of experience as a crime scene investigator. Matthew is the lead instructor for the Crime Scene Unit. He teaches several courses with students from city, state and federal agencies. He is an instructor for the National Center for Biomedical Research and Training teaching their Advanced Forensic Investigations for Hazardous Environments course. He also works internationally with the U.S. Department of State's Antiterrorism Assistance Program teaching Terrorist Crime Scene Investigations course.



Detective Steiner has investigated over 2000 Crime Scenes. He has been deemed an expert witness in Latent Prints, Crime Scene Investigation, Bloodstain Pattern Analysis, Shooting Reconstruction and Crime Scene Reconstruction in New York City, State and Federal Courts. Matthew is also a Certified Senior Crime Scene Analyst with the International Association of Identification. He is an active member of the International Association of Identification, American Academy of Forensics Sciences, Association for Crime Scene Reconstruction, consulting board member of American Investigative Society of Cold Cases and International Association of Blood Stain Pattern Analysts.

Steiner has participated in the National Institute of Justice's Forensic Science Research and Development Technical Working Group. Matthew has also served as a Technical Peer Reviewer for NIJ assessing grant proposals. He is an active member of the National Institute of Standards and Technology's (NIST) Organization of Scientific Area Committee for Forensic Science (OSAC) working with the video/imaging technology and analysis subcommittee. Matthew works on the photography subcommittee for the FBI's Scientific Working Group on Digital Evidence (SWGDE). Detective Steiner is a committee member on the Crime Scene Standards Board of the American Academy of Forensic Sciences.

Matthew has also been featured as an expert witness for movie, television, online and print media. He has a recurring feature with WIRED for their "Technique Critique" series. Detective Steiner has assisted in crime scene reconstructions and subject matter expert commentary for CBS News, Oxygen, Discovery, E! Entertainment and Investigation Discovery Networks.