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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

## Instructors:

**Matthew Steiner, CSCSA & Edward Dingman**

**October 3 - 7, 2022 | 8 am - 5 pm**

**Tuition: \$689**

## Course Location:

Frederick County Sheriff's Office  
110 Airport Dr East | Frederick, MD 21701

## Lodging Information:

Springhill Suites  
111 Byte Drive | Frederick MD, 21703  
301-835-0111

**Room Rate:** \$100 per night plus tax, studio suite | Free breakfast, free wi-fi, free parking

**Booking Info:** Call the hotel & mention the Shooting Reconstruction or use the hotel booking link on the course page on our website at [www.tritechtraining.com](http://www.tritechtraining.com), to receive the special rate.

\*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 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 and an instructor for the National Center for Biomedical Research and Training, teaching their Advanced Forensic Investigations for Hazardous Environments course.

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.

### EDWARD DINGMAN

Ed Dingman is a retired 2nd Grade Detective from the NYPD Crime Scene Unit. During his tenure with the NYPD, Ed worked in forensic investigations for 11 years in the Manhattan North Evidence Collection Team and the Crime Scene Unit, investigating over 1300 crime scenes.

In addition to Tri-Tech Forensics, Ed instructs for the National Center for Biomedical Research and Training teaching Advanced Forensic Investigations for Hazardous Environments, US Dept. of State as a Lead/Instructor and co-writer for the Antiterrorism Assistance Program, Terrorist Crime Scene Investigations. His areas of instructional expertise include shooting incident reconstruction, photography, and bloodstain pattern analysis.

