



# RON SMITH & ASSOCIATES, INC.



## FORENSIC EXAMINATION OF VIOLENT CRIME SCENES

### Course Description

Crime is typically divided into two categories: crimes against property and crimes against persons. While the former is serious and may indeed constitute the majority of departmental caseloads, it is the latter that frequently results in serious bodily harm or death. Therefore, it is imperative that appropriate forensic and law enforcement personnel be able to successfully recognize, document and/or interpret evidence found at these types of scenes. Furthermore, it may be important in a particular scene to be able to sequence a series of events to reconstruct how a crime may have occurred and the actions that were involved. This may allow the trained analyst/investigator to support or contradict statements offered by suspects, victims and/or witnesses, thereby providing further insight into an investigation.

This advanced course will present both the theory and practical application of several techniques that are essential to crime scene examination and reconstruction of violent crimes. Practical exercises and case studies will be utilized to reinforce the material presented.

### Target Audience

This course is designed for anyone who is tasked with investigating and processing violent crime scenes, particularly those crimes involving bloodshed. Although it will be beneficial to have prior training and experience in bloodstain pattern analysis, it is not a requirement for participation in the course. Even if you are not the person who will be interpreting bloodstain and shooting evidence, you should attend this course if you will be responsible for documenting these types of crime scenes.

### Should be Able to Perform

Upon successful completion of this course, the student should be (better) able to:

- Properly classify, document and interpret bloodstains patterns
- Determine the sequence of events in a crime involving bloodshed
- Determine points of convergence and origin for reconstruction purposes
- Utilize the appropriate blood reagent(s) in the proper order, if necessary
- Properly document and interpret a shooting scene
- Determine, demonstrate and document trajectories using the best method for a particular scene
- Utilize basic methods for shooting scene reconstruction

### Must Bring to Class

Students should bring their camera (digital preferred), lenses, batteries, digital media, off-camera flash with remote cord, tripod (if available), and flashlight.

Students should also bring the instruction manuals for their specific camera and flash, if available.

Also, practical exercises will be conducted both inside and outside. Students are advised to bring clothing suitable for possible soiling as well as inclement weather.



**Class Instructor:**  
**Douglas Young, CCSI**



### Course Logistics

#### When:

June 1-3, 2026

#### Class Times:

08:00 AM - 05:00 PM

#### Where:

Sandy City Police Department  
10000 South Centennial Parkway  
Police Training Room  
Sandy, UT 84070

#### Tuition:

\$450.00

### Local Contact

BL Smith  
Training Coordinator  
Sandy City Police Department  
801-568-7240  
blsmith@sandy.utah.gov

# Daily Schedule

	Day 1	Day 2	Day 3
8:00 - 9:00	<b>Introductions / Housekeeping / restrooms, etc.</b>	<b>Bloodstain practical exercises</b>	<b>Photographic Protocols for Strings, Rods and Lasers</b>
9:00 - 10:00	<b>Crime Scene Documentation</b>	<b>Bloodstain practical exercises</b>	<b>Shot Sequencing</b>
10:00 - 11:00	<b>Bloodstain Pattern Analysis – physical properties of blood</b>	<b>Bloodstain practical exercises</b>	<b>Shooting Reconstruction Practical Exercise</b>
11:00 - 12:00	<b>Types of bloodstains</b>	<b>Bloodstain practical exercises</b>	<b>Shooting Reconstruction Practical Exercise</b>
12:00 - 1:00	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
1:00 - 2:00	<b>Determining Directionality</b>	<b>Introduction to Shooting Reconstruction</b>	<b>Macro Photography</b>
2:00 - 3:00	<b>Determining points of convergence</b>	<b>Ballistics</b>	<b>Painting with Light</b>
3:00 - 4:00	<b>Determining areas of origin</b>	<b>Establishing and Demonstrating Trajectories</b>	<b>Alternate Light Source Examination</b>
4:00 - 5:00	<b>Chemical development and enhancement</b>	<b>Establishing and Demonstrating Trajectories</b>	<b>Officer-Involved Shootings</b>

## Helpful Lodging Information

*Although we cannot endorse any particular hotel property, we have confirmed that the following lodging is within a reasonable commuting distance to the training site.*

Hilton Garden Inn Salt Lake City/Sandy  
277 West Sego Lily Drive  
Sandy, UT 84070  
801-352-9400

[Please click here for reservations](#)

Residence Inn  
270 West 10000 South  
Sandy, UT 84070  
801-561-5005

[Please click here for reservations](#)