

Sirchie Hosted Class

Forensic Investigation Photography (Basic to Advanced) Plus CSI Techniques



Host: Hartford VT Police Department

Location: Hartford VT Police Department
812 VA Cutoff Road
White River Junction, VT 05001

Dates: February 26 - March 1, 2024

Forensic Investigation Photography (Basic to Advanced) Plus CSI Techniques

With the cooperation of the Hartford VT Police Department, Sirchie is offering a comprehensive "hands-on" ALS Forensic Photography Class at the Hartford VT Police Department, 812 VA Cutoff Road, White River Junction, VT 05001. This 5-day course covers state-of-the-art methods of identifying, recording, processing and preserving various types of evidence found at the scene of the crime. The program is geared for "Hands-on" use of equipment, materials and supplies necessary for a thorough and comprehensive evidence collection mission.

CURRICULUM

Day 1

- Introduction and Registration
- Basic Crime Scene Documentation, Legal Standards, and Implication of NAS Report for Crime Scene Photography (1 hr)
- Photography Concepts, Terminology, and Basic Camera Operation
- Practical Exercise (1 hr)

Day 2

- Review from Day 1 (1 hr)
- F/Stops and Aperture, Practical Exercise and Review of Images (3 hrs)
- Shutter Settings, Practical Exercise, and Review of Images (3 hrs)
- ISO, Practical Exercise, and Review of Images (2 hrs)

Day 3

- Painting with Light (1 hr)
- Practical Exercise and Review (2 hr)
- Luminol and Impression Evidence Photography (1 hr)
- Practical Exercise and Review (2 hrs) Students will conduct practical exercises to reinforce concepts discussed during the previous lecture. Students will download images to a computer for presentation and class critique.
- Review of Days 1, 2 & 3 (1 hr)

Day 4

- Effects of Lighting, Filter Selection, Vehicles 360's, and Body Panoramic Images (1 hr)
- Practical Exercises (1 hr)
- On and Off Camera Flash Photography, Metering, and Practical Exercise (2 hrs)
- Evening Mock Crime Scene, Laser Trajectory, and Painting with Light (PWL) Exercise (3 hrs)

Day 5

- Review of All Previous Lessons and Practical Exercises (1 hr)
- Surveillance Photography, Practical Exercise, and Review of Images (2 hrs)
- Macro Photography, Filters, Ultraviolet (UV) and Infrared IR, and ALS Photography (3 hrs)
- Course Summary, Critique and Discussion (1 hr)

Instructor: Dave MacNeil

Dave is currently a Detective for the Watertown (MA) Police Department, with responsibilities for investigating major crimes, managing the day-to-day operations of the crime lab, and serving as the department's photographer. With over 30 years of experience in law enforcement and a graduate of the FBI Academy, he also instructs crime scene investigation at the local, state, and federal level, including the U.S. DOJ Law Enforcement Training, the National Forensic Academy, and Boston University's School of Forensic Science.



NOTE: Students will be trained on, and utilize several crime scene processing devices during the photography exercises, including:

- Electrostatic Dust Print Lifter: Students will learn how to locate, image, lift, and image the lift of a dust print using this unique and very effective forensic device.
- Biofoam and Casting: Students will create a 3-dimensional impression, photograph the impression, and then cast the impression utilizing dental stone or an equivalent casting material. Students will image the cast the following day.
- AccuTrans and Gelatin Lifters: Students will process and then lift fingerprints on rough/course surfaces utilizing this piece of specialized equipment. Students will learn how to properly image fingerprints before and after being processed, and upon being lifted.
- Traditional, Magnetic, and Fluorescent Fingerprint Processing Techniques: Students will learn the differences between traditional, magnetic, and fluorescent fingerprint techniques. They will then learn how properly to image these prints with and without ALS -Alternate Light Source -white, blue (455nm) and UV (365nm) lights.
- Alternate Light Sources: Students will be instructed on and utilize ALS during their photographic exercises, including how to search for bones in fire pits, large, wooded areas, and other outdoor scenes.
- Luminol and Luminol Based Products: Students will be instructed on the various luminol based products utilized to search for latent blood at crime scenes. Students will then be given luminol and exemplars containing latent blood to image.
- Macro Photography of Crime Scene and Arson Evidence: Students will be instructed on and utilize a macro lens to image a wide variety of small evidence, including wires and switches commonly needing proper imaging at fire scenes.

Enrollment

Minimum enrollment will be 18 students with a maximum enrollment of 25 students. The cost per student is \$650.00. All materials, supplies and equipment will be supplied by Sirchie. Students will be responsible for their own transportation and related per diem expenses.

Individuals interested in attending must register on-line with Sirchie in accordance with the instruction below no later than 5 days prior to the class, Sirchie reserves the right to cancel this class if the minimum number (18) students has not been met.

Students can register for the class by logging onto Sirchie's website at <http://www.sirchie.com/training.html>. Off-site classes must be paid by credit card or the issuance of your departments purchase order. If you have any questions, please call Sirchie Education and Training at (800) 356-7311 or (919) 554-2244.

For more information contact:

Lieutenant Thomas Howell
802-295-9425 x 325

Area Airports:

Boston Logan International (BOS): 2 hours away by car
Manchester-Boston Regional (MHT): 1.5 hours away by car
Burlington International (BTV): 1.5 hours away by car

Area Hotels and Restaurants:

National chain hotels within a mile of the Hartford Police Department and more across the river in NH. Plenty of food options with both national chain restaurants and great local dining.

