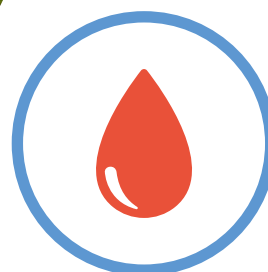




*New Training Modules!*



2023 Forensic Education  
& Training Opportunities



# Introduction Letter

To those who want a great forensics class for themselves or someone in your department,

Friday afternoon, week after week, Detectives, Crime Scene Investigators, Patrol Officers, Evidence Technicians and Forensic Educators are returning home from a Sirchie class with a much greater degree of skill and confidence in their crime scene/ forensic abilities. They have learned how to find, document, and preserve critical evidence which will make the difference in a hardened criminal being convicted or released to victimize other citizens. What made that transformation possible? A week of training with instructors using the best of equipment and supplies provided by Sirchie.

The Sirchie instructors are among the best instructors anywhere. Students attending a Sirchie course are being trained by those who have spent years doing the work they are now preparing students to do in their own communities. Sirchie instructors have been called out at 2 am, walked into some of the worst crimes scenes imaginable, found the vital piece of evidence and played an essential role in getting the conviction. Too many times we know who committed the crime but lack the evidence to prove it. Sirchie instructors are dedicated to stopping that trend by using their practical experiences to train officers to know what to do. I encourage you to look at our list of instructors in this brochure and see how prepared they are to help you and your department.

Sirchie courses are loved by their students because they get to spend so much time practicing the technique just taught to them. After each block of training, each person immediately uses the supplies and guidance from the instructor to turn the knowledge into a skill. Often Sirchie instructors are told while setting up the classroom for the coming week that the host is amazed and impressed at how much equipment and supplies are provided by Sirchie.

Each student in a Sirchie crime forensic investigation course gets their own kit of supplies and equipment to use in class and then take home to continue using them in the field. If you look at our student kit in this brochure, you will see fingerprint brushes, powders, multiple lifting options, blood tests, casting materials, photography aids and so much more.

Sirchie training is different from any other training. We use selected Sirchie instructors and Sirchie equipment and supplies. Sirchie is one of the few forensic supply manufacturing companies in the USA. We design our student kits and assemble them with our own products. Our Marketing and Sales Departments are key in getting this information to you and making it easy to enroll and take the course.

Make a difference in the solve rate in your community. Call Sirchie at 800-356-7311 and register for the next available course. Maybe you will even want to host a class in your area. This brochure is designed to help you with your selection of a course.

Sincerely,

David Alford

David Alford  
Manager of Education & Training



# Table of Contents



## Featured Classes



### Forensic Investigation Class



Course covers state-of-the-art methods of identifying, recording, processing and preserving various types of evidence found at the scene of the crime.



### Mastering the IAI Latent Print Exam



Course focuses on preparation with tips on pattern recognition, written portions of the exam and numerous timed exercises.



# Crime Scene/Forensic Training Options

## 5 Options: Training at Sirchie or Training at Your Location

This year we have expanded our training options to now give you the option of choosing two specialized modules to supplement the full range of crime/forensic topics which are a standard part of our 5-day classes.

### At Sirchie

- 1. 5-Day Crime Scene and Forensic Investigation Training








*Note: Other specialized classes taught at Sirchie are located through pages 15 to 20.*

### At Your Location

- 2. 5-Day Crime Scene and Forensic Investigation Training **taught by a Sirchie Crime-Scene-Experienced Instructor**
- 3. 5-Day Crime Scene and Forensic Investigation Training **with your choice of two training modules** taught by a Sirchie Crime-Scene-Experienced Instructor (see table below)
- 4. 5-Day Basic Crime Scene and Forensic Investigation Training **taught LIVE from Sirchie virtually using Zoom**

### At Sirchie or Your Location

- 5. Firearms. Photography and Bloodstain Pattern Documentation **4 or 5-Day Specialized Crime Scene Course**

Module	Icon	Description
A		Arson – emphasis on collection and low light photography
B		Blood pattern documentation including photography
C		Latent print chemical and cyanoacrylate development including photography techniques
D		Medical Death investigation and documentation with elements of entomology and anthropology
G		Ballistics, trajectory, and gun-shot residue
M		Impression Evidence – advanced footwear and tire evidence
P		Advanced photography techniques including ALS, UV, and IR

# 1. Crime Scene/Forensic Training At Sirchie

## Forensic Investigation (Evidence Discovery, Collection, Processing & Preservation)

Our Forensic Investigation Class provides law enforcement professionals and crime scene investigators with hands-on training using forensic tools that will help to execute the best crime scene investigation mission possible.

This five-day class covers the scientific methods of collection, identification, evaluation, and preservation of physical evidence. It is the perfect Forensics training for any investigator from new detectives to police officers with more than 25 years on the force.

 **This course includes a student training kit.**

### You should attend this class if:

- You process crime scenes
- You want to learn more about the latest forensic and crime scene investigation tools and techniques used to process crime scenes
- You want to find as much evidence as possible at crime scene



### Topics include:

- Crime Scene Management & Evidence Collection
- Latent Print Processing – Powders
- Latent Print Processing – Chemicals
- Cyanoacrylate Fuming
- Latent Print Processing – Specialized Techniques
- Fingerprint Science
- Alternate Light Sources
- Biological Evidence: Blood, Fluids, DNA
- Crime Scene & Evidence Photography
- Serial Number Restoration
- Firearms, Ballistics & Firearms Evidence
- Footwear Identification & Processing
- Mock Crime Scene Processing

### Peace Officer Standards and Training

This class has been approved for a Peace Officer Standards and Training (POST) Credit or for Continuing Police Education Credits in a number of states. Please contact us at 800.356.7311 or [training@sirchie.com](mailto:training@sirchie.com) for more information and a complete list of participating states.

### Course Fee

The Forensic Investigation Course (No. CFT100) is \$650.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion.



## Classes At Your Location (Options 2, 3 & 5)

### We Can Come To You: Training Held At Your Location

You can host a Sirchie Class at your location and we'll send a Sirchie Instructor and everything needed to teach the same quality material and provide the same hands-on learning experience that you'd have at our Sirchie Training Facility. Hosting a class means you can have more of your agency attend training for a much lower cost. You'll save on travel, lodging and food expenses, and your team will spend less time away from home.

#### Overview

Attendees learn proper set-up and crime scene documentation including photography and evidence marking / identification. Through lecture and practical exercises, proper methods are taught for discovery and lifting of latent fingerprints using powders, applicators, tape, chemicals, and other tools. Footprint and footwear evidence, often overlooked, is reviewed and methods for search and recovery are taught. Discovery and sampling of biological evidence, so critical in today's forensic investigations for its DNA content, is reviewed with practical exercises with best practices for collection and preservation. Attendees also learn the proper packaging and preservation of various types of evidence, including bagging, boxing, labeling, and other methods.

The course covers the forensic toolbox and the factors that lead to choosing certain methods:

- Crime scene documentation: photography, marking, logging
- Evidence collection: types, proper packaging, documentation
- Latent print development: fingerprint powders, applicators, chemicals, lifting devices
- Biological fluids including blood: search, discovery, testing, sampling
- Footwear impressions: search, development, collection

#### Hosted Training Benefits

- Receive same course material and same hands-on experience
- Tailor the course to your department's specific needs
- Save money on travel, lodging and food
- Open training up to other local departments and strengthen relationships, improve communications and build goodwill

#### Registration Requirements

- Minimum requirement for an on-site training class is 18 students
- The host department is required to register a minimum of 2 students
- Register through Sirchie's website or through Sirchie's Sales Department
- Host Department will receive 1 free student for hosting after minimum requirement of 18 students have registered



If you're interested in hosting training, please contact us at [training@sirchie.com](mailto:training@sirchie.com).

## 2. Crime Scene/Forensic Training At Your Location

### Forensic Investigation (Evidence Discovery, Collection, Processing & Preservation) At Your Location

We are pleased to bring our Crime Scene/Forensic training classes to you at your location. Our instructors arrive onsite with the same equipment and supplies that are used in our classes taught at Sirchie. Everyone taking the class will be able to enjoy learning and developing their skills with the hands-on exercises that follow each presentation. After the class you will be prepared to return to your job being able to use the methods of collection, documentation, identification learned in the training.

#### This course includes a student training kit.

#### You should attend this class if:

- You process crime scenes
- You want to learn more about the latest tools and techniques used to process crime scenes
- You want to find as much evidence as possible at crime scene



#### Curriculum (Hands-On Exercises with each topic)



- Crime Scene Management and Process
- Setting up a DSLR camera and Crime Scene Photography
- Crime Scene Sketching
- Use of Fingerprint Brushes, Powders and Lifting Techniques
- Processing Latent Prints with Chemicals
- Taking photos in real-life difficult circumstances
- Vehicle Photography
- Biological evidence recognition and testing; DNA
- Use of ALS
- Photo and Collection of Footwear Impression Evidence
- Basic Firearms, GSR and Bullet Trajectory
- Case Presentations from Crime Scene Perspective
- Serial Number Restoration

#### Course Fee

The Forensic Investigation Course (No. OFT200) is \$650.00 per student and it includes: tuition, study materials, and a student kit. Students will receive a certificate upon completion.



### 3. Crime Scene/Forensic Training with Modules

#### Forensic Investigation (Evidence Discovery, Collection, Processing & Preservation) with Modules

Our Forensic Investigation Class provides law enforcement professionals and crime scene investigators with hands-on training using forensic tools that will help to execute the best crime scene investigation mission possible.

These new classes with modules are focused classes that quickly get into the core topics needed to process scenes. They teach how to use the forensic techniques to find evidence that may be missed if they were not used. The two modules are integrated with the core topics throughout the week. You select the two modules that are the most important to you.

 This course includes a student training kit.

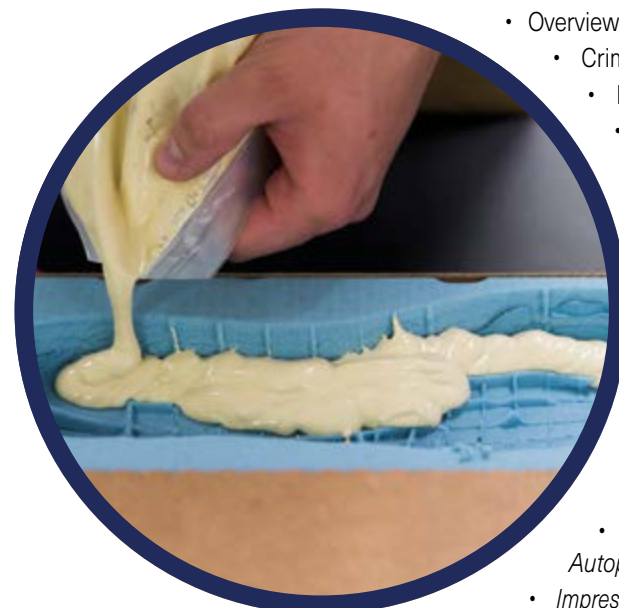
#### You should attend this class if:

- You process crime scenes
- You want to learn more about the latest forensic and crime scene investigation tools and techniques used to process crime scenes
- You want to receive specialized training in two of the modules described on the following pages



#### Topics include:

- Overview of Crime Scene Processing & Management
  - Crime Scene & Evidence Photography
    - Latent Print Processing – Powders
      - Latent Print Processing – Iodine Fuming
        - Latent Print Processing – Specialized Techniques
          - Firearms, Ballistics & Gun Shot Residue
          - Alternate Light Sources
          - Biological Evidence: Blood, Fluids, DNA
          - Impression Evidence - Footprint & Tire Mark Evidence
          - **Two Modules of Your Choice (see below and next 2 pages):**
            - *Arson Investigation with Emphasis on Low-Light Photography*
            - *Ballistics, Trajectory, GSR & Firearms*
            - *Bloodstain Pattern: Photography & Documentation*
            - *Chemical Development & Enhancement: Latent Fingerprints*
            - *Death Investigation: Documenting & Collecting Key Evidence for Scene to Autopsy Investigation*
            - *Impression Evidence: Identifying and Preserving Footwear, Tire Mark, & Toolmark Evidence*
  - Photography: Advanced Techniques Including ALS, UV & IR for Forensic Investigation



#### Course Fee

The Forensic Investigation Course with modules (No. OFT100) is \$650.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion.

### Training Modules

#### Arson Investigation with Emphasis on Low-Light Photography



Arson scenes pose unique challenges to criminal investigators, CSIs, and arson investigators in that much or all of the pertinent physical evidence is damaged or destroyed by thermal effects and /or residual soot deposits. Imaging fire scenes challenge even the most talented photographer as reflected light is minimized and dark soot covered and burnt items are difficult to focus on and capture without understanding the exposure triangle and taking the camera out of Automatic Mode.

Without a basic understanding of how fire behaves the novice investigator may be overwhelmed at suspicious fire scenes. During this block of instruction attendees learn fire terminology, fire dynamics, and the basics of Origin & Cause investigations, so they can better interact with Certified Fire Investigators (CFI's), understand fire investigation, how best to document findings via notes, sketches, and photographs, and how to properly collect arson evidence including control samples in either nylon-lined or unlined arson evidence containers. Attendees learn medicolegal death investigation terminology and common findings in fire scene decedents/victims. Attendees review and experience how to properly document an arson scene using low-light photographic techniques utilizing hands on exercises.

#### Ballistics, Trajectory, GSR & Firearms

Attendees receive instruction on the theory behind wound ballistics and the role that bullet mass, velocity, and kinetic energy play in creating temporary and permanent wound paths in tissue. Medicolegal death investigation terminology will be stressed during this block of instruction so the attendee can correctly evaluate reports prepared by firearms experts, forensic pathologists, and forensic laboratory examiner-experts.

Attendees learn proper terminology and methodology for the investigation of shooting incidents. Discussion of the use of gun shot residue tests as well as a practical exercise emphasizes the value of GSR to an investigation. Methods for determining projectile size and bullet trajectory from entry angle are reviewed through practical exercises that allow the investigator to add firearm information as well as shooters position to the crime scene evidence.



#### Bloodstain Pattern: Photography & Documentation



Homicides, shootings, and assault crime scenes can often contain blood spatters and other patterns. The ultimate goal of this module is to train crime scene investigators with no formal training in Bloodstain Pattern Analysis to be able to expertly document the bloodstain patterns commonly found in crime scenes. Attendees learn to recognize 14 different types of bloodstains/patterns and understand the mechanics and physics that cause these as related to the actions involved in the crime. Attendees learn how the blood pattern expert can link the patterns together to better determine what happened, how persons moved in the scene, and in what position they were in and why good documentation is so important.

Participants work in small groups, using techniques to search and identify blood using presumptive testing. Groups work together to thoroughly document the patterns found, building a documentation package that includes photography, measurements, and written reports. Everyone participates in all aspects of blood pattern documentation, resulting in building skills for future crime scenes.

#### Chemical Development & Enhancement: Latent Fingerprints

Latent prints at a crime scene are traditionally discovered with fingerprint powders, but not every surface allows this, and many times regardless of surface, powders are not the best technique. Porous surfaces absorb fingerprints, some surfaces are too slick or shiny to be processed well with powders, and sometimes substances on the surface can block development with powders.

In this module, attendees learn the development hierarchy for processing porous surfaces such as paper, enhancing the various types of prints: amino acids, lipids, and salts. Superglue or cyanoacrylate is a common technique used on objects recovered from the scene, but many times imaging these prints can be difficult. Instruction for staining cyanoacrylate then using proper ALS lighting and filters with photography to properly capture good fingerprint images. In addition to these techniques, participants are also exposed to specialty development techniques based on surface contaminants such as oil.





# Training Modules

## Death Investigation: Documenting & Collecting Key Evidence for Scene to Autopsy Investigation



With only approximately 60% of the 20,000+ murders occurring annually being “solved”, and many times that number of equivocal deaths requiring an investigation by law enforcement, this module is designed to provide the necessary knowledge to resolve even the most complex death investigations, including child, elderly, asphyxia, fire, firearms, fall, crushing, thermal, high velocity, motor vehicle, and sharp and blunt force deaths.

Attendees receive a block of instruction on forensic pathology, the Coroner and Medical Examiner Systems, manner, cause, and mechanism of death. Autopsy and medicolegal death terminology are explained including nuances between a laceration and incise wound, various blunt force trauma including differing types of fractures, and common causes for each type of wound. Firearms injuries are explored and explained including the differences in distances that can help determine whether a witness’s account is truthful or not. Time of death and post-mortem interval and other forensic concepts are discussed throughout the course. Forensic anthropology and entomology instruction are included as it pertains to identification of found remains, skeletal trauma identification, grave recovery, and what insect activity must be observed and documented for a proper review by the forensic anthropologist and entomologist.

## Impression Evidence: Identifying and Preserving Footwear, Tire Mark, & Toolmark Evidence

Perpetrators are frequently aware of fingerprint and DNA evidence, and they wear gloves and facial/head coverings to avoid leaving this evidence. At the same time, they almost always walk through the crime scene leaving footwear impressions at the scene, and when they leave, they take and keep their footwear evidence with them. This presents a special opportunity and challenge to crime scene examiners to find and preserve the latent impression evidence remaining at the scene.

Attendees learn procedures to discover, enhance, and capture footprint, footwear, and tire mark evidence using various tools and photography. They learn to identify class and individual characteristics present in footwear and tire mark evidence and how it ties the perpetrator/vehicle to the scene. Through practical exercises, footprint capture with powder, electrostatic dust print lifting, and casting are experienced. The module also explores advanced techniques, such as casting in a water, snow, and on unusual surfaces. In addition to footprints and tire marks, attendees learn about toolmark evidence, often found on breaking and enterings, including casting techniques.



## Photography: Advanced Techniques Including ALS, UV & IR for Forensic Investigation



Photography is used to document most crime scenes today, yet only the most basic techniques are sometimes utilized missing possible key evidence or not providing the true story of the crime scene or evidence. Moving beyond this, attendees of this instruction module learn how to properly document in the preferred – manual mode, and learn to control the exposure triangle in various situations using techniques that reveal evidence once hidden. Utilizing the triangle, dark scenes, shadows, and bright ambient light can all be overcome with specific techniques to show the scene as the investigator sees it.

Attendees through hands-on exercises using DSLR cameras and various lenses combined with filters explore various lighting possibilities, using a variety of alternate light sources and filters to build contrast and reveal pattern evidence. Light sources outside the visible spectrum, such as ultra-violet and infrared, reveal body fluids and pattern evidence of gun shot residue and bodily fluids not visible to the naked eye. The camera is shown to be a tool to gather much more evidence than can be seen or documented with any other method.

# 4. Virtual Crime Scene/Forensic Training

## Virtual Forensic Investigation: 5-Day Crime Scene/Forensic Training with Hands-on Practicals Taught LIVE via Zoom

We are pleased to bring our Crime Scene Processing and Forensic training class to your home or office. Urgent matters can happen at a moment’s notice, so the option of attending a training class away from home may not be reasonable. Fortunately, that does not mean you have to miss out on the training needed to meet the challenges of the day. The training provided in this class is brought to you live via Zoom and each step of the way you will be actively engaged in doing the same hands-on practical exercise that are conducted in our in-person classes. To do this, students will receive a student kit which is sent in advance of the course. Students in this class will need to provide their own DSLR camera with a zoom lens, a macro/micro lens (if possible) and a tripod. A few other simple items will also be needed.



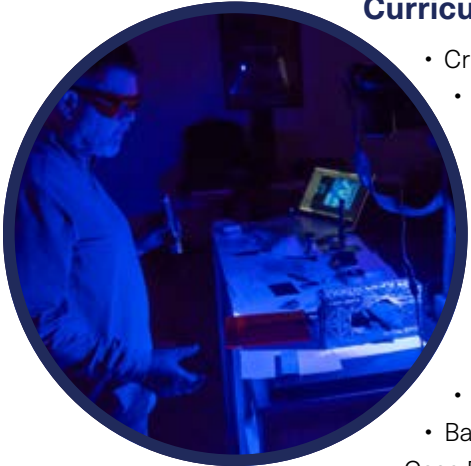
 This course includes a student training kit.

### You should attend this class if:

- You process crime scenes
- You want to learn more about the latest tools and techniques used to process crime scenes
- You want to find as much evidence as possible at crime scene

**Instructor: David Alford**

### Curriculum (Hands-On Exercises with each topic)



- Crime Scene Management and Process
- Setting up a DSLR camera and Crime Scene Photography
- Crime Scene Sketching
- Use of Fingerprint Brushes, Powders and Lifting Techniques
- Processing Latent Prints with Chemicals (overview only)
- Taking photos in real-life difficult circumstances
- Vehicle Photography
- Biological evidence recognition and testing; DNA
- Use of ALS
- Photo and Collection of Footwear Impression Evidence
- Basic Firearms, GSR and Bullet Trajectory
- Case Presentations from Crime Scene Perspective

### Feedback from previous students:

*“I really enjoyed the course. I learned several techniques that I will be able to use in the future. The course was well put together and I appreciate all the hard work David and Sirchie put in to make the course as detailed as possible.”*

*“I had very little CSI knowledge and skills prior to this course. Being newly appointed to our team, I want to do the best I can and not be the weak link of the team. I feel the knowledge gained from this course will put me where I need to be in order to run with our other members. In turn, it will help advance my career as a CSI tech and assist me in my future goal of becoming a detective.”*

*“I think the course went extremely well and I would encourage others to take the course to get a good foundation and understanding of crime scene processing.”*

### Course Fee

The Virtual Evidence Collection Course (No. VFT100) is \$650.00 per student and it includes: tuition, study materials, and a student kit. Students will receive a certificate upon completion.



# Student Training Kits

## Student Training Kits (\$200 value!)

*Included with the Forensic Investigation Training Classes, as indicated in the class description.*

A robust starter kit will be provided to each student for use during practical exercises in the designated classes and yours to keep for using at your scenes.

Below are the list of contents:

- 1 - Perforated Notepad, 8 1/2" x 11"
- 1 - Biofoam Impression Kit
- 5 - Tissue Paper, #15 weight
- 1 - Blood Evidence on Plywood
- 1 - PIC001 Photo Scale/ID Card, 8 1/2" x 11"
- 1 - Crime Scene Documentation Forms
- 2 - 131WL1 Hinge Lifter, 2" x 4", white
- 6 - FC343 Reversible Backing Cards, 3" x 5"
- 2 - Orange Evidence Marking Pointers
- 1 - 101L Silk Black Fingerprint Powder, 2 oz.
- 1 - 107L Copper Fingerprint Powder, 2 oz.
- 1 - SB201L Silver/Black Fingerprint Powder, 2 oz.
- 1 - M114L Black Magnetic Fingerprint Powder, 1 oz.
- 3 - 122L Standard Fiberglass Brush
- 1 - 123LW Marabou Feather Brush, white
- 1 - 125L Magnetic Powder Applicator
- 1 - 127LW Rubber/GEL Lifters, 2" x 4", white, 12 ea.
- 1 - 145L 1.5" Frosted Lifting Tape
- 4 - Index cards, 3" x 5"
- 1 - SBQ100 Fingerprint Lifting Squeegee
- 1 - SNR100K Serial Number Restoration Kit
- 1 - PPS800 Forensic L-Scale, 105mm x 105mm
- 1 - PPS600 Reversible Forensic L-Scale, 300mm x 150mm
- 1 - LTF200PR Zero Edge Protractor
- 1 - Hemastix Blood ID Reagent Strips, 10 ea.
- 1 - OSTBK100 Blood Evidence Samples on paper
- 5 - PBID1005 Blood ID Tests, Kastle Meyer Reagent
- 1 - PBID2001 Blood ID Tests, McPhail's Reagent
- 1 - PSID1001 Seminal Fluid ID Test
- 1 - Toothbrush
- 1 - Ballpoint Pen, black ink
- 1 - #2 Pencil
- 2 - Cotton Balls

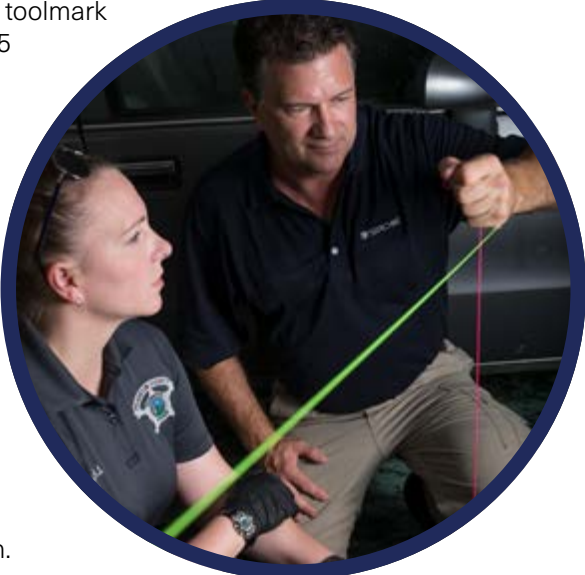


- 2 - Ziptop Bag, 9" x 12"
- 1 - Orange Acrylic Square, 4" x 4"
- 1 - 379M Attached case Magnifier
- 3 - SDM100E Disposable Evidence Markers, in.
- 2 - Wooden Paint Stirrers
- 3 - Terry Cloth Towel
- 6 - Cotton-Tipped Swabs
- 1 - GLT101W GELifters, 5.2" x 7.2", white, 10 ea.
- 1 - HCB1002 Hard-Core Dental Stone, 2 lbs.
- 1 - KCP247C5 Sterile Water, 5ml vial

# 5. Specialized Trainings at Sirchie or Your Location

## Firearm, Toolmark ID & Shooting Reconstruction

This advanced course will introduce the methods used by firearm and toolmark examiners. Students will examine large caliber fired bullets, such as .45 caliber; rifle and various shotshell components; large caliber cartridge cases; and types of toolmarks, including pry bars, screwdrivers, and knives. Students will learn how examiners obtain class information that may aid investigators in searching for a firearm or tool which was used in a crime, including how a fired bullet, cartridge case, or tool may be matched to a particular firearm or tool. The class will also explore the reconstruction of shooting incidents, covering range determinations, direction of fire and gunshot residue identification.



**Instructor: Don Mikko**

### You will leave this class knowing:

- Anatomy of a firearm and how characteristics of the firearm are matched to a projectile and cartridge.
- Analysis of tool marks through observation, casting, and comparison.
- Documentation methods and techniques for shooting scenes: including projectile size determination, bullet trajectories, and distance determination.



### Course Fee

This course (No. FSR100) is \$700.00 per student, which includes tuition, study materials, and lab fees. Transportation, food, and lodging costs are the student's responsibility. Students will receive a certificate upon completion.

### Check out our **Advanced Laser Trajectory Finder Kit (LTF200):**

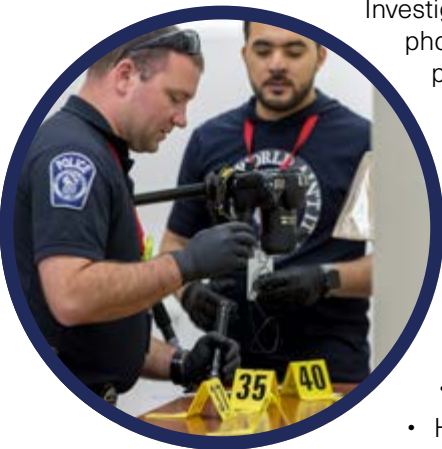
- Increased accuracy laser will have no deviation over 150 yards
- Rugged design for rough use
- The laser has a constant "ON" switch. You won't have to deal with rubber grommets or o-rings that are easy to lose.
- They come with a brass insert for threading to rods, making threading easier and reduces the risk of thread damage.
- New lasers are compatible with both of our Laser Trajectory Finder Kit (LTF100) and our Advanced Laser Trajectory Finder Kit (LTF200).





## 5. Specialized Trainings at Sirchie or Your Location

### Forensic Investigation Photography (Basic to Advanced) Plus CSI Techniques



Investigators and witnesses can describe scenes, sometimes in great detail. However, photographs can tell the story better with objectivity. They freeze time and leave a permanent record of the scene. Despite its advantages, photography remains the least understood and developed skillset for arson and crime scene investigators. Failure to obtain images of evidence while at the crime scene or in a lab, will likely result in the photograph not being accepted by the court and deemed unsuitable for presentation to the jury.

**Instructor: David Pauly**

**You will leave this class knowing:**

- How to take proper crime scene photographs in a variety of environments
- How to present crime scene photos in judicial and administrative proceedings
- How to train other professionals in taking photographs

**Course Fee**

This course (No. CFT200) is \$650.00 per student, which includes tuition, study materials, and lab fees. Transportation, food, and lodging costs are the student's responsibility. Students will receive a certificate upon completion.

### Bloodstain Pattern Documentation

A common theme to many scenes of violent crimes is the presence of blood. We commonly test the stains to determine if they are blood but frequently fail to pay special attention to the size, shape and distribution of the bloodstain patterns. Many times, this is a serious oversight, robbing the crime scene investigator of a great deal of information that could help solve the case.

This class will not make you a bloodstain pattern examiner. It will provide you with the knowledge and techniques to look at complex bloodstain patterns and recognize the conditions that would have produced such a stain. An even more important skill that will be learned is the ability to professionally document the bloodstained scene with your notes, examination-quality photographs of the scene and individual patterns and through sketching the location of the patterns.



**Instructor: David Alford**

**You will leave this class knowing:**

- To appreciate the significance of bloodstain patterns to understanding your scene
- How to recognize 14 bloodstain patterns by conducting hands-on experiments to create these patterns
- How to document them with the accuracy needed by a bloodstain pattern examiner to reconstruct the scene

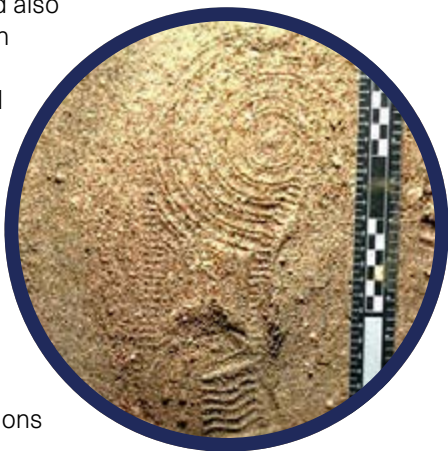
**Course Fee**

This course (No. OFT200B) is \$595.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion. *Available upon request at your location.*

## Training at Sirchie: Footwear Impression Classes

### Phase 1 Footwear Impression: Detection, Recovery & Identification

Footwear evidence is often the most abundant form of evidence at a crime scene, and also the most overlooked. This occurs for two reasons: lack of training in proper collection and preservation of evidence and undervaluing or misunderstanding evidence found. When collected properly, footwear impressions can provide the approximate size and height of a suspect, number of people at the crime scene, the path to and away from the crime scene, and the activity of the wearer when an impression was made. Get hands-on training for the proper processing, photographing, lifting, casting and preservation of this extremely important type of evidence.



**Instructor: Johnny Leonard**

**You will leave this class knowing:**

- How to obtain known footwear standards
- How to cast 3-D footwear impressions and the processing of 2-D footwear impressions
- How to understand class and individual characteristics of footwear impressions

**Course Fee**

This Course (No. FTW100) is \$650.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion.

### Phase 2 Footwear Impression: Examination, Comparison & Identification



Analysis, Comparison, Evaluation, Verification. The basis for footwear impression evidence is determining the source of an imprint recovered from a crime scene. The process of examining the imprint considers the class and identifying characteristics that can tie an impression, and ultimately a suspect, to the crime. Receive hands-on training in the proper detection, recovery, and collection of footwear evidence.

**Instructor: Johnny Leonard**

**You will leave this class knowing:**

- How to apply ACE-V during footwear impressions
- How to compare questioned impressions with known standards
- Understanding SWGTREAD guidelines

**Requirements:**

Student must have completed Sirchie's Phase 1-Footwear Impression Course, or a basic Detection, Documentation, Collection and Preservation of Track Evidence Course. Crime Scene Investigation Courses will also be accepted.

**Course Fee**

This Course (No. FTW200) is \$650.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion.



# Training at Sirchie: Science of Fingerprints

## Introduction to the Science of Fingerprints

The science of fingerprint identification is based on the uniqueness and permanence of friction ridge structures. Therefore, the ability of the technician to accurately classify and identify fingerprint patterns is essential.

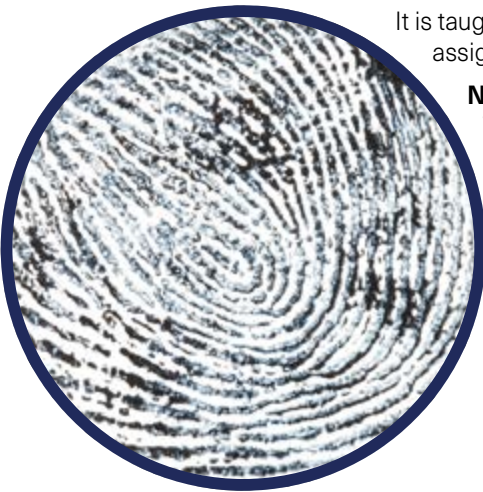
The student will learn fundamental techniques of fingerprint pattern interpretation and how this information is used to accurately classify, compare, and identify fingerprints.

 **Approved for Certification Training credit by the IAI**

**Instructor: Johnny Leonard**

### Curriculum

- Arch, Loop, and Whorl recognition and classification
- Scars and Amps recognition and classification
- NCIC classification formula
- The ACE-V methodology of fingerprint comparison and identification & its relationship to scientific method
- Inked fingerprint comparison exercises
- Glossary of Fingerprint Terms



It is taught using numerous methods of instruction combining lectures with hands-on assignments, Q&A, reinforcing quizzes, and practical exercises.

**Note:** This course is not a latent print comparison class, and uses inked fingerprints. This training is vital for any individual who wishes to pursue a career as a fingerprint examiner and is a prerequisite for enrollment in the Latent Fingerprint classes.

### Course Fee

The tuition fee for the Introduction to the Science of Fingerprints course (No. CFC100) is \$650.00 per student which includes study materials. If you have one, please bring your magnifier to class. If you don't, one will be provided to you for class use. Students will receive a certificate upon completion.

### Check out our **Patrol Latent Print Kit (MFC100):**

- Ideal for patrol officers who conduct crime scene investigation as well as regular patrol duties.
- Comes with complete instructions and the most widely used latent print development products available.
- Contains 101L black latent print powder (2 oz), 144L2 2" transparent lifting tape, 122L1 kit-size fiberglass brush, LB003 3" x 5" backing sheet pad (50 sheets), and MFC100C black, molded copolymer carrying case.



# Training at Sirchie: Fingerprint Comparison Classes

## Basic Latent Fingerprint Comparison

Combining lecture and latent print practical exercises, the emphasis in this course is placed on print orientation to improve each student's comparison skills. Exercises are designed to provide the student with real life case work training experience.

**Minimum Requirement:** Each student must have attended and completed Introduction to the Science of Fingerprints Course to be accepted in this course.

 **Approved for Certification Training credit by the IAI**

**Instructor: Johnny Leonard**

### Curriculum

- The ACE-V methodology of fingerprint comparison and identification & its relationship to scientific method
- Level 1, level 2, and level 3 detail in latent print comparisons
- Latent print orientation and comparison search clues
- Fingerprint pattern interpretation and their uses in the comparison of latent fingerprints
- Palm print orientation and palm print search clues in latent print comparisons
- Daubert and post Brandon Mayfield issues

### Course Fee

The tuition fee for the Basic Latent Fingerprint Comparison course (No. LFC100) is \$650.00 per student which includes study materials. If you have one, please bring your magnifier to class. If you don't, one will be provided to you for class use. Students will receive a certificate upon completion.



## Comprehensive Advanced Latent Print Comparison

How proficient are your individual comparison skills as pertaining to latent print casework? Are erroneous exclusions a problem in your skill set? If you are a manager, are erroneous exclusions a problem in your latent print work unit? This class was developed to help improve latent comparison competency and knowledge whether you are already a Certified Latent Print Examiner or if you are preparing to take the exam in the near future. A broad and exhaustive level of complex latent print exercises were carefully compiled to improve the level of expertise for examiners. You will not find another class like this one anywhere.

**Minimum Requirement:** Each student must have at least one year of Latent print experience to be accepted in this course.

 **Approved for Certification Training credit by the IAI**

**Instructor: Johnny Leonard**

### Curriculum

- Reducing erroneous exclusions in casework
- Maximizing accurate latent comparison skills
- Developing confidence in your comparison decisions
- Real life casework type comparison exercises

### Course Fee

The tuition fee for the Comprehensive Advanced Latent Print Comparison course (No. CLP100) is \$650.00 per student which includes study materials. If you have one, please bring your magnifier to class. If you don't, one will be provided to you for class use. Students will receive a certificate upon completion.





## Training at Sirchie: Advanced Fingerprint Classes

### Advanced Latent Ridgeology

Combining lecture and latent print practical exercises, emphasis is placed on comparison techniques for comparing difficult and complex latent finger and palm prints. Exercises are designed to provide the student with real life case work training experience.

**Minimum Requirement:** Each student must have attended and completed a Basic Latent Fingerprint Comparison Course to be accepted in this course.

 **Approved for Certification Training credit by the IAI**

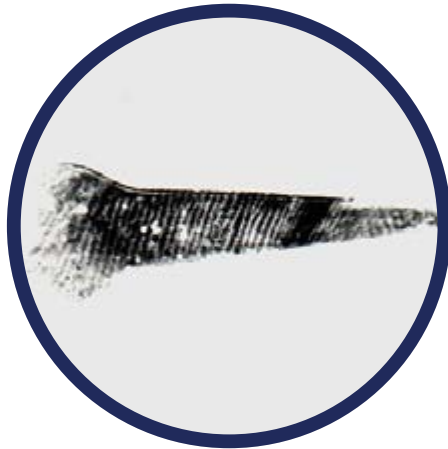
**Instructor: Johnny Leonard**

#### Curriculum

- The ACE-V methodology of fingerprint comparison and identification & its relationship to scientific method
- Level 1, level 2, and level 3 detail in latent print comparisons
- Latent print orientation and comparison search clues
- Fingerprint pattern interpretation and their uses in the comparison of latent fingerprints
- Palm print orientation and palm print search clues in latent print comparisons
- The analysis of distorted and complex latent prints
- Daubert and post Brandon Mayfield issues

#### Course Fee

The tuition fee for the Advanced Latent Ridgeology course (No. AFP100) is \$650.00 per student which includes study materials. If you have one, please bring your magnifier to class. If you don't, one will be provided to you for class use. Students will receive a certificate upon completion.



### Advanced Latent Palm Print Comparison

Many students have expressed the difficulty in comparing latent palm prints and asked for a course that addresses this and simulates routine case work type training. This course was developed to meet these needs through combining lecture and latent print practical exercises.

**Minimum Requirement:** Each student must have attended and completed a Basic Latent Fingerprint Comparison Course to be accepted in this course.

 **Approved for Certification Training credit by the IAI**

**Instructor: Johnny Leonard**

#### Curriculum

- The ACE-V methodology of fingerprint comparison and identification & its relationship to scientific method
- Palm print topography and its use in comparisons
- Palm print points of direction, areas, and zones
- Major and Minor Flexion Creases
- Palm print orientation and palm print search clues in latent print comparisons

#### Course Fee

The tuition fee for the Advanced Latent Palm Print Comparison course (No. PPC100) is \$650.00 per student which includes study materials. If you have one, please bring your magnifier to class. If you don't, one will be provided to you for class use. Students will receive a certificate upon completion.



## Training at Sirchie: IAI Exam & Courtroom Testimony

### Mastering the IAI Latent Print Exam

Examiners who are preparing to take the Latent Print Certification exam are often concerned with the comparison phase of the exam. Their concerns center on running out of time and not completing the necessary 12 identifications in the allotted 8 hours. This class is offered to help latent examiners overcome this fear.

Emphasis is placed on recognizing valuable search clues when comparing latent finger and palm prints. Valuable tips are shared to help improve time management skills during the exam. Numerous timed exercises containing latent prints similar in difficulty to the IAI exam are administered and evaluated. Additional information is provided to aid students during the pattern recognition and written portions of the exam.

**Minimum Requirement:** Each student must have at least one year of Latent print experience to be accepted in this course.

 **Approved for Certification Training credit by the IAI**

**Instructor: Johnny Leonard**

#### Curriculum

- How to overcome anxiety about the test
- Time management skills that work
- How to maximize your comparison skills
- Learning to work smarter and not harder

#### Course Fee

The tuition fee for the Mastering the IAI Exam course (No. MCP100) is \$650.00 per student which includes study materials. If you have one, please bring your magnifier to class. If you don't, one will be provided to you for class use. Students will receive a certificate upon completion.



### Effective Courtroom Testimony Preparation & Presentation for Forensic Science Practitioners



I was first introduced to the following quote while attending a footwear class presented by the Northeastern Association of Forensic Scientist in Providence, Rhode Island in October 1990. *"If the law has made you a witness, remain a man (woman) of science. You have no victim to avenge, no guilty or innocent person to convict or save – You must bear witness within the limits of science."*

It was introduced by Ernie Hamm of FDLE during his lecture and was spoken by Dr. Paul C. Brouardel who was the Chair of Forensic Medicine, Sorbonne 1897. This is a truth that every forensic scientist must be conscious of from the crime scene to the courtroom. We must ALWAYS present the TRUTH. Also, we must understand that the court system is here for that reason. This class is designed to help Forensic Science Practitioners prepare for direct questioning from the prosecutor and cross-examination by the defense attorney. It also explains the process necessary to be accepted by the court as an expert witness and once accepted how to successfully testify as a forensic expert. —*Johnny Leonard*

**Curriculum:** How to overcome anxiety about your testimony; Understanding the Federal rules of evidence; Awareness of the Daubert Standards and its challenges to the science; Understanding how to reply to the PCAST report; Effective communication during testimony.

 **Approved for Certification Training credit by the IAI**

**Instructor: Johnny Leonard**

#### Course Fee

This Course (No. LCT300) is \$350.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion.



# Training at Sirchie: Bugs, Bodies and DNA & Bloodstain Pattern

## Bugs, Bones, Bodies & Genealogical DNA too! (Formerly “Clandestine Grave Discovery & Processing”)

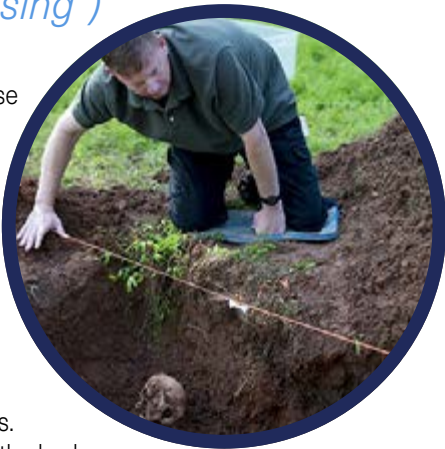
Sirchie is offering a 3-day training class on searching for and properly investigating and recovering remains from a clandestine grave site. This is a special edition of the class because it will also include DNA from the genealogy perspective.

The legal term corpus delicti means no one can be charged of a crime if there is no evidence a crime has been committed. In a homicide, the key piece of evidence for the case is the body. Perpetrators will go to great lengths to conceal a body, dumping them in remote locations, hiding the body under cover, and many times burying the bodies to conceal the crime. This course will teach the various techniques for search and recovery of remains from clandestine graves. Principles of search and rescue, death investigation, forensic archaeology and anthropology, and entomology will be taught and used in hands-on exercises. Students will learn how to conduct effective searches, proper protection and documentation of discovered sites, and proper recovery methods and techniques for remains. Learn how DNA derived from the body and the evidence in the grave can be used to identify the body and the perpetrator through genealogical methods of using DNA.

**Instructor: Bryan Brendley**

### Course Fee

This course (No. CGR200) is \$595.00 per student, which includes tuition, study materials, and lab fees. Transportation, food, and lodging costs are the student’s responsibility. Students will receive a certificate upon completion.



## Bloodstain Pattern Documentation

Bloodstain Pattern Analysis is only useful if the patterns are captured and sampled properly. In conjunction with Bevel, Gardner & Associates, Inc., we’re pleased to offer this class to introduce the student to the nature and value of bloodstain pattern evidence, teach how to recognize basic pattern types, and demonstrate through practical exercise the roadmapping method of documenting bloodstain pattern evidence.

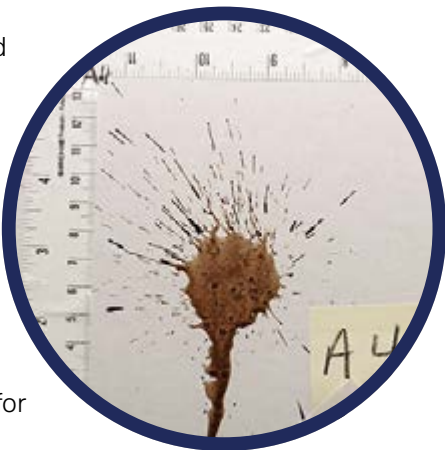
**Instructor: Ross Gardner**

### You will leave this class knowing:

- How to recognize basic bloodstain pattern types
- Familiarity, through practice, with a proven method of documenting bloodstains for future analysis

### Course Fee

This course (No. BPA100) is \$595.00 per student and it includes: tuition, study materials, and lab fees. Students will receive a certificate upon completion.



# Forensic Symposium

## Forensic Symposium for Educators

Thanks to shows like CSI and Forensic Files, interest in forensic science has risen dramatically. Through a combination of lectures, exercises, and hands-on lab work, educators will leave our Symposium armed with real-world experiences and interactive lessons they can use in their classrooms. Lectures and activities are formatted so what is learned can be conducted by the educator as a laboratory or individual class lesson.

During the three day symposium, three topics will be offered. Each day the forensic foundations is presented by a forensic expert, followed by a second session breakout for beginning forensic educators and veteran educators. The seminar is for all levels and provides lessons and practical activities you can take back to your classroom.

This year we are adding a special new benefit for educators who have very little experience teaching forensic topics. We have an educator with many years of experience teaching forensics who will be joining us for the first time as a presenter. She will help the newer educators who want special help learning the basics of teaching the forensic topic of the day. She will also be preparing lesson plans and related materials that we will provide to all educators attending the symposium. For those with experience and want more than the basics, the forensic expert of the day will have a session at the same time for them. The symposium will be presented live throughout the nation via Zoom.

 **This course includes a student training kit.**



### Comments from our Virtual Symposium:



*“This is really great. Huge help with distance learning for sure.”*

*“I’ve learned a LOT - and got so many applicable exercises. THANK YOU!!”*

*“Highly recommend their Evidence Collection course as well. Attended last summer. Top notch facility, instructors, and training.”*

*“Thanks for everything. I really have enjoyed each and every day. Loved the labs...nice to see and then go hands on.”*

*“Sirchie Team - You guys did a terrific job. Very impressive production. Best I’ve seen so far.”*

### Course Fee

The tuition fee for the Forensic Symposium for Educators (No. FSE100) is \$350.00 per student.



Sirchie Webinars

Sirchie Webinars

Sirchie offers **free** educational webinars on popular forensic and topical issues.

Our library includes series such as **Latent Print Basics**, **Narcotics Investigation** and individual webinars such as **Arson and Crime Scene Photography**, **Understanding Gun Shot Residue** and more.

Webinar participants will receive a **Certificate of Attendance**. You can include the course on your CV and put it toward Continuing Education hours.



NARK Training User Certification Webinar



Understand false positives, the right colors and sequence, and the right techniques for our NARK presumptive drug tests through our **free** NARK Training User Certification Webinar which is for *law enforcement only*.

We offer **two formats** to receive certification so you have the flexibility to choose which one fits your schedule and/or your department.

Option 1: User Certification Webinar

This one-hour online training session covers the proper protocol for testing, including necessary documentation. Trainees will also review the origins of many controlled substances, how to visually identify some of them, and stay updated with the current trends in drug usage.

Option 2: Live Webinar User Certification

We will schedule a time with your department to show a live NARK webinar and answer any questions during the presentation. *A minimum of 30 officers is required for the live webinar.* Please email our Training Coordinator, Michele Davis at [training@sirchie.com](mailto:training@sirchie.com).

Registration, Travel & Accommodations

3 Ways to Register

Call	Email	Online
Call customer service at <b>800.356.7311</b>	Email us at <a href="mailto:training@sirchie.com">training@sirchie.com</a> and include the course/dates of interest.	Register online at <a href="http://www.sirchie.com/training.html">www.sirchie.com/training.html</a> All our classes with dates offered are online.

All **cancellations** made at least 10 business days prior to the beginning date of class will be fully refundable. Cancellations made less than 10 days prior to class are not refundable, but can potentially be transferred to a future date at the discretion of Sirchie. All classes are subject to be cancelled due to lack of minimum enrollment, in which case all tuition/fees will be refunded. Upon registration, each person will be confirmed for enrollment.

Register a Group

You can register a group for your organization by contacting customer service at 800.356.7311.

Where to Stay

The dedicated Sirchie Training Facility is at our headquarters in Youngsville, NC. It is adjacent to historic Wake Forest and about 20 minutes outside Raleigh. The best airport for flying to Sirchie is RDU (Raleigh/Durham) International Airport.

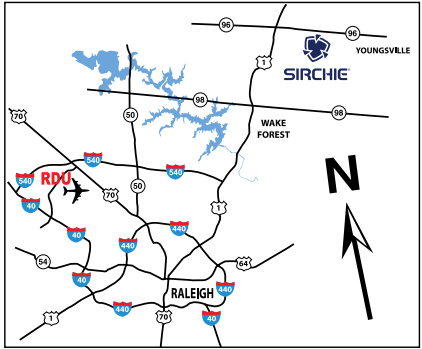
We have negotiated discount rates at the hotels listed below. Contact these hotels directly at the phone numbers below to make reservations and ask for the Sirchie Corporate Rate.

Hotel	Phone	Website
	919.554.6901	<a href="https://www.ihg.com/candlewood/hotels/us/en/wake-forest/wkfcw/hoteldetail">https://www.ihg.com/candlewood/hotels/us/en/wake-forest/wkfcw/hoteldetail</a>
	919.570.5550	<a href="http://www.ihg.com/holidayinnexpress/hotels/us/en/raleigh/wknc/hoteldetail">http://www.ihg.com/holidayinnexpress/hotels/us/en/raleigh/wknc/hoteldetail</a>
	919.554.0222	<a href="https://www.hilton.com/en/hotels/rduwfhx-hampton-raleigh-town-of-wake-forest/">https://www.hilton.com/en/hotels/rduwfhx-hampton-raleigh-town-of-wake-forest/</a>
	919.435.7056	<a href="https://www.marriott.com/hotels/travel/rdufw-fairfield-inn-and-suites-raleigh-wake-forest/">https://www.marriott.com/hotels/travel/rdufw-fairfield-inn-and-suites-raleigh-wake-forest/</a>
	919.876.5650	<a href="https://www.hilton.com/en/hotels/rdunegi-hilton-garden-inn-raleigh-capital-blvd-i-540/">https://www.hilton.com/en/hotels/rdunegi-hilton-garden-inn-raleigh-capital-blvd-i-540/</a>

Transportation

Transportation is the students responsibility from the airport and/or from the hotels. Raleigh is served by several major airlines through the RDU (Raleigh/Durham) International Airport.

If you need a rental car, ask for the Sirchie Corporate Discount of 5% when making your reservation at Enterprise Rent-A-Car®.



Raleigh area map showing RDU and proximity to Sirchie's Headquarters



## Featured Products

### Tactical MAX ALS Kit

SKU: TMX200

The Tactical MAX ALS Light Kit provides all the light needed to conduct an on-scene forensic investigation: white, 365nm UV, and 455nm blue. Newly improved, each handheld forensic light is made of tough anodized aluminum, contains an extremely bright 1-Watt LED, and comes with rechargeable batteries. A rubber diffuser fits securely on each flash light and a flexible tripod can serve as a third hand. Built for field use, this kit is lightweight and portable, yet rugged and durable—there’s no reason to not take the Tactical MAX ALS Light Kit everywhere.

### Search Cyanowand Kit

SKU: CW100

Incredibly simple to use! Simply attach a cyanoacrylate cartridge, ignite and begin fuming. Hold the Cyanowand™ several inches away from the suspect surface and sweep the wand back and forth. Latent prints develop as they’re fumed. The Cyanowand™ also offers superb fuming capabilities when used with SIRCHIE®’s fuming chambers.

### Breathable Evidence Pouches, 8”x12” & 10”x15” (100 each)

SKUS: BEP812P, BEP1015P

Made especially for storing evidence items that need breathing capability — but also need visibility. The pouch’s breathing capability allows evidence to dry while safely stored inside. One side is pre-printed in green ink and the other side is made of clear plastic so you can see what’s inside without opening the pouch. Pouches may be custom imprinted with your department’s name in black ink (1000 bag minimum).

### EZ-DRY Swab Boxes (100)

SKU: KCP248C

The Sirchie EZ-DRY™ swab box is the best way to package cotton swabs used to collect biological evidence.

Room temperature is sufficient to dry swabs. 100/Pkg

Click on each product photo to visit the product page.

### Ultra Cyano-Shot

SKU: CNA4000

Ultra Cyano-shot™ features the same latent print development properties as our regular Cyano-shot™, but has a longer fuming time. This extra time allows you to develop latent prints in larger enclosed areas—fuming time lasts up to 20 minutes.

### DNA-Free Fingerprint Lifting Kit with Fiberglass Brush

SKU: DNALP100

This DNA-free latent fingerprint lifting kit with fiberglass brush for use in lifting latent fingerprints from crime scenes. This kit is certified DNA-free through independent testing and is treated using a scientifically proven DNA destroying process that penetrates and decontaminates throughout, not just the surface. Each lot is certified through third party testing to ensure each batch processed is DNA-free.

### EZ-DRY Swab Box Kit

SKU: SB1000

The EZ-DRY™ Swab Box Kit is the best way to collect, package, label and seal cotton swabs without the possibility of sample switching or secondary contamination, while providing a way to maintain a continuous chain of possession. Room temperature is sufficient to dry swabs with EZ-DRY™—no freezer or swab dryer is needed.

## Featured Products

### SirchSil™ Evidence Recovery Kit

SKU: PVS200

A truly powerful, versatile lifting kit for latent prints, toolmarks, and more. The PVS200 (polyvinyl siloxane) offers a unique method of mixing and applying liquid silicone for the collection of tool marks, bite marks, blood prints and even developed latent fingerprints. An on-going problem with many silicone recovery methods is proper mixing of compound and catalyst. This kit eliminates the mess and the guesswork by automatically mixing the exact proportions needed. Just squeeze the trigger and the two compounds are forced through a mixing tip and are dispensed onto the surface.

### Small Particle Reagent

SKUS: SPR100, SPR200, SPR200UV

Small particle reagent (SPR) is quick, inexpensive and effective on fresh fingerprints. It’s composed of finely ground particles in a detergent solution. The particles adhere to latent fingerprints and can be lifted using standard lifting methods. Available in dark (for light surfaces), white (for dark surfaces) and fluorescent (for multi-colored surfaces).

### Latent Print Standards Pad

SKU: LPSP200

The Latent Print Standards Pad is an excellent resource to verify that chemicals being used for development of latent prints are working properly so that you can be confident that you have the best chance of developing reliable prints. Pad is designed to be used for all chemical tests that involve sebaceous oils, amino acids, or salts including: iodine, DFO, ninhydrin, silver nitrate, physical developer. Simply touch the pad and apply print to a standards card for processing.

### Iodette Ampoules

SKU: AMP2066

Use these ampoules to process fresh latent prints (up to 48 hours) on paper, currency, tissue and most other porous and non-porous surfaces other than metals. Designed primarily for quick processing in the field or lab utilizing plastic or polyethylene bags. Iodettes have an unlimited shelf life, and they’re clean and convenient to use. Iodettes are packaged in 3g glass ampoules. Six ampoules per package.

### Special Formula Ninhydrin Spray

SKUS: NSI609, NSI609G

Sirchie®’s Special Formula Ninhydrin Spray is ideal for developing latent prints on paper because it virtually eliminates ink from running. Use it on currency, envelopes, magazines, books and other printed documents. The spray is nonflammable. Available in 8 oz and 128 oz.

### Macrography Photography Scales

SKU: PPS6000

These scales are designed primarily for footwear and tire track impression comparisons. They are excellent for verifying perspective distortion. The scales are printed on rigid vinyl plastic and feature exceptionally sharp division indicators. They also feature a glare-free finish for photographing in most lighting conditions (0.040" thick). To ensure the accuracy of our forensic scales, Sirchie inspects, measures and verifies them using standard rulers that are calibrated annually.

### Compass Rose/Azimuth Board

SKU: COMPROSE

Compass Rose/Azimuth Boards are used in conjunction with a compass, measuring tape and GPS devices to create detailed crime scene sketches. Made of durable 1/16 inch thick plastic and measures 12 inch x 12 inch. The black background with white markings provide excellent contrast for maximum legibility.



# Sirchie Instructors

Sirchie instructors have decades of experience in law enforcement, criminal investigation, forensic science, and education. This experience at the local, state and federal levels gives them not only insight into proper methods of evidence collection and preservation, but experience with specific cases in which the physical evidence collected led to the conviction of suspects.

## David Alford



David Alford is a retired FBI Special Agent with 21 years of experience investigating violent crimes, terrorism and other cases. He was one of the founding members of the FBI Evidence Response Team (ERT) and conducted crimes scene searches o domestic and international violent crimes and bombings, including the Polly Klaas kidnaping and murder, the Unabomber's bombing sites and cabin and the 9/11 Pentagon scene. The international crime scenes included bombings in Doha, Qatar and Beirut, Lebanon, and the murder of specialized task force members in Mexico City, Mexico.

He worked in the Denver and San Francisco FBI field offices and completed his FBI career at Quantico in the FBI Lab ERT Unit. During the 6 years in the FBI Lab, he was primarily responsible for overseeing and teaching basic and advanced crime scene courses throughout the US and many other countries.

In the 6 years before the FBI, he was a Forensic Serologist, Hair and Fibers Examiner and Bloodstain Pattern Analyst for the Kentucky State Police Crime Lab. He was a member of the Midwestern Association of Forensic Scientists. He also provided training at national forensic conferences. Throughout his career he has testified in state courts as a Forensic Expert in Serology, Hair and Fiber Analysis and Bloodstain Pattern Analysis and in state and federal courts as an FBI Agent After retiring from his law enforcement duties in December 2005, David taught crime scene courses around the world on behalf of the FBI and US State Department.

David began his career with Sirchie in January 2006, as a sales representative and instructor for Sirchie's RUVIS and Alternate Light Source (ALS) products. He continues with these opportunities but now is primarily a Crime Scene Instructor for Sirchie's Forensic Investigation Technology courses. He teaches local, state and federal officers by teaching live hands-on virtual classes and by traveling throughout the US to teach in-person. David loves teaching and providing law enforcement officers with hands-on opportunities to develop their skills at finding the physical evidence needed to solve cases and make their communities a safer place to live. David is now serving as the Manager of Education & Training at Sirchie.

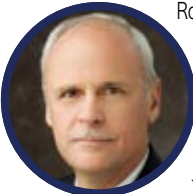
## Bryan Brendley

Bryan Brendley is a faculty member in the Forensic Biology program at Guilford College and chair of the Biology Department. Prior to coming to North Carolina he served as a sworn state conservation officer in Pennsylvania. Bryan teaches classes on Forensic Anthropology, Forensic Cell Biology/Histology, Cold Case Analysis, bloodstain patterns, ballistic trauma, and drowning investigations.

He regularly guest lectures at both Campbell University School of Law on expert testimony and at Elon University School of Law on Crime Scene Analysis. He graduated from the College of William and Mary with degrees in biology and history, and holds an earned doctorate from The Pennsylvania State University. He is a member of the AAFS, NCIAl and the NCHIA. Bryan also has "served" as a US Navy spouse for over 21 years and volunteers his time regularly at the High Point Police Crime Lab.



## Ross M. Gardner, MA



Ross M. Gardner worked for the United States Army Criminal Investigation Command (USACIDC) as a felony criminal investigator for nearly twenty years. He retired as a Command Sergeant Major and Special Agent in 1999 after serving a total of 24 years in US Army law enforcement. Subsequently, he served four years as the Chief of Police for the City of Lake City Georgia, a small suburban Atlanta police department. Currently, he is now retired and active in independent consulting.

## Johnny Leonard

Johnny Leonard is a retired Deputy Director of the City-County Bureau of Identification in Raleigh, NC and is both an I.A.I. Certified Latent Print Examiner and Footwear Examiner. He has also worked for the FBI and the NC State Bureau of Investigation. He has been a latent fingerprint examiner for the past 40 years and has over 50 years of fingerprint experience. During the past 44 years, he has instructed over 250 classes and trained more than 2500 students in the science of fingerprints.



## Dave MacNeil



Dave has been a member of the Watertown, MA Police Department since 1986. He is assigned to the Division of Criminal Investigations and holds the rank of detective. Dave is in charge of the department crime lab and is the primary investigator in major crimes as well as the department photographer. Dave is a graduate of Western New England College, the National Forensic Academy Session XVII, Blackwater and specialized courses from the DEA, FBI and US Secret Service Academies. David is a proud Board Member of the Vidocq Society, Board Member Cold Case Initiative, President Watertown Police Relief Association, Past President National Forensic Academy Alumni Association from 2008 – 2016, Former Vice President Licensed Private Detectives of Massachusetts, Former Chairman Education Committee LPDAM. He is also a member of LPDAM, ASIS, IAI, NEDIAI, NEMLEC, IAFCI, INTELLINET, NFAAA. Dave is a teaching associate for the National Forensic Academy, as well as a CSI Instructor for (NEMLEC) Northeast Massachusetts Law Enforcement Council and Sirchie. Dave has instructed at the local, state and federal level. He has also instructed for Boston University Forensic Science Program.

Dave was instrumental in assigning the local crime scene point of contact during the investigation and capture of the Boston Marathon Bombers. He has spoken at many conferences, symposiums and seminars on Best Practices in Forensics, Crime Scene Investigation and Violent Crimes. Dave is a licensed Massachusetts Private Investigator.

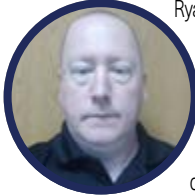
## Don Mikko

Don spent most of his career as a Special Agent in the United States Army Criminal Investigation Command (USACIDC). For over 22 years, he worked in the United States Army Crime Laboratory (USACIL) and since 1990, he has been a Forensic Firearm and Toolmark Examiner. He is certified by the Association of Firearm and Toolmark Examiners (AFTE) in all three forensic disciplines: firearms, toolmarks, and gunshot residue.



# Sirchie Instructors

## Ryan Morrison



Ryan Morrison has a degree in forensic science. Ryan also completed a two-year formal training at Forensic Firearms Training Inc. in the field of Forensic Firearms and Toolmark identifications. This specialized training consisted of the examination of firearms, ammunition and ammunition components, microscopic examination of questioned bullets, cartridge cases and toolmarks; serial number restoration, distance determination and shotgun pattern analysis, shooting reconstruction, ejection pattern analysis, fracture matching, lock picking, crime scene analysis and report writing, court room testimony.

## Kathryn S. Newcomb

Kathryn S. Newcomb is a Senior Latent Print Examiner at Raleigh-Wake City/County Bureau of Identification in Raleigh, NC. She has a Bachelor's Degree in Biological Sciences and Secondary Science Education from North Carolina State University. She has worked in forensics for over 9 years and has been certified through the International Association for Identification since 2017. She trains new latent print examiners and serves as her unit's technical leader. Prior to working in forensics, Kathryn taught high school science for over 8 years.



## Andy Parker



Currently, Andy is the Deputy Director of the City-County Bureau of Identification (CCBI) in Raleigh, N.C. Since 2002, he managed the Laboratory Division, the Identification Division, and served as a Latent Print Section Supervisor and Examiner for the CCBI. Prior to moving to Raleigh, Andy was a Crime Scene Investigator for the Tallahassee Police Department after serving seven years as a Law Enforcement Officer with the Florida Department of Law Enforcement. Andy is also a graduate of the FBI's National Academy.

## David Pauly

David G. Pauly, Professor, Forensic Science Program, Methodist University, Fayetteville, NC, retired from The U.S. Army Criminal Investigation Command as a Special Agent-in-Charge/Commander, Paratrooper, and Forensic Science Officer. Dave performed duties in numerous U.S. States and foreign countries and frequently worked with local, state, and other federal agencies, as well as various non-U.S. law enforcement entities in Panama, South Korea, Afghanistan, Haiti, Kuwait, Saudi Arabia, Israel, Turkey, Egypt, Canada, Guam, and Nigeria.

Prof. Pauly holds a Master of Forensic Science degree from The George Washington University where he taught summer sessions for several years while also developing the Forensic Science Program at Methodist University from its inception to a thriving program where young students learn a comprehensive curriculum involving crime scene forensic science and criminal investigations. Dave graduated the FBI National Academy (Session 195), Canadian Police College - Major Crimes Course, Miami-Dade Police Department - Bloodstain Interpretation Course, and National Fire Academy - Arson Investigation Course, and has completed numerous other courses, seminars, symposiums, and classes in criminal investigations, forensic science, and other law enforcement related topics.

Dave is an active Fellow of The American Academy of Forensic Science, and is a current, or past member of the International Association of Identification, North Carolina Chapters of the IAI and FBINAA, International Association of Bloodstain Pattern Analysts, North Carolina Homicide Investigator's Association, The Vidocq Society, American Investigative Society of Cold Cases (AISOC), and various other professional law enforcement and/or forensic science associations.



## Doug Young




Doug began his law enforcement career with the Gibson County Sheriff's Department in Southwestern Indiana. While working at the Sheriff's Office, Doug attended Vincennes University where he majored in Law Enforcement/Criminalistics, graduating Cum Laude. Doug began training as a crime scene technician for the Gibson County Sheriff's Department and held that position from 1993 – 1998. In December of 1998, Doug moved to Texas and worked as a Crime Scene Specialist with the Austin Texas Police Department. While in Texas, Doug became certified as a Crime Scene Investigator through the International Association for Identification. Doug is also a certified by the American Board of Forensic Entomology as a Forensic Entomology Technician.

From November of 2002 to May 2007, Doug took the position of Chief of Police with the Oakland City Police Department in Indiana. He then moved to Thornton, Colorado where he worked as a Crime Scene Investigator with the Thornton Police Department Crime Lab. In August 2009, Doug was promoted to Sr. Criminalist and continues to serve in this capacity. Doug has lectured both domestically and internationally on various forensic topics to include Crime Scene Investigation, Forensic Entomology, Bloodstain Pattern Analysis, Shooting Incident Reconstruction and Crime Scene Reconstruction, and continues to do so. Doug has been qualified as an expert witness in both Federal and State Courts.

Doug is a past President of both the Indiana and Rocky Mountain Division of the International Association for Identification and is still an active member of both the parent body IAI and the Rocky Mountain Division. Doug served as the Regional Representative for the RMDIAI until 2019. Doug is a member of the Association for Crime Scene Reconstruction (ACSR) and has held the positions of board member, President- Elect, President and currently is serving and Chairman of the Board of Directors for this organization. Doug is the Vice-Chair of the Crime Scene Consensus Body for the American Academy of Forensic Science Standards Board. Doug is also a member of Laura Pettler & Associates roundtable of world-renowned forensic experts that boasts a 98% solve rate using Pettler's Murder Room death investigation method.

Doug is the founder of the Colorado Forensic Investigators Group (COFIG) and the owner of Triad Forensics LLC, a forensic training and consulting company located in Colorado.





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