

Calendar of Events

contact@njiai.org

May 26, 2026

**Office of Bombing Prevention: Basic Bomb Safety & Awareness
Expert Witness Testimony Center & Crime Scene Lab Cedar Crest College
100 College Drive**

Allentown, PA 18104

09:00 AM - 05:00 PM EST

Caitlin McCullough,

Caitlin.mccullough@cedarcrest.edu

Fee: \$0 (sponsored by DOJ Grant)

Instructor: Michael Salter, Ph.D.

Training Highlights

Suspicious Activity Recognition for Bombing Prevention

Provides public safety and security professionals with the knowledge and skills to identify suspicious activity for bombing prevention related to a facility/system or a planned or unplanned event.

Includes an introduction to the BOMBER acronym and an overview of baseline behaviors, operational indicators, materials

IED Construction & Classification

Provides an overview of the various components required for Improvised Explosive Device (IED) production

Designed to provide foundational knowledge about construction and classification of IEDs, including their function, components, classifications, and how they are constructed

Homemade Explosives (HME) & Precursor Awareness

Provides foundational knowledge on HME and common precursor materials

Define HME and learn to identify common precursor chemicals and materials used to make HME

Learn how HME is used in an attack

Prevent or mitigate explosive effects

Response to Suspicious Behaviors & Items

Provides foundational introduction to recognizing & responding to suspicious behaviors and activities related to terrorist or criminal activities

June 1, 2026
- June 2, 2026

Fire and Arson Fatality Fire Scene Investigation
Gloucester County Fire Academy
200 County House Road
Clarksboro, NJ 08020
08:00 AM - 04:30 PM EST
PATC, 1-800-365-0119
Tuition: \$400

Course Overview

This course provides law enforcement officers, fire investigators, and prosecutors with a practical approach to investigating residential fires involving fatalities. Participants learn how to preserve the fire scene and deceased as evidence, identify key indicators for determining origin, cause, and manner of death, and avoid common investigative oversights. The training emphasizes coordination with fire investigators, homicide detectives, and medical examiners, including autopsy considerations and recognizing when additional expertise is needed.

June 1, 2026
- June 5, 2026

Basic Bloodstain Pattern Analysis
Expert Witness Testimony Center & Crime Scene Lab Cedar Crest College
100 College Drive
Allentown, PA 18104
08:00 AM - 05:00 PM EST
Caitlin McCullough,
Caitlin.mccullough@cedarcrest.edu
Fee: \$0 (sponsored by DOJ Grant)

Instructors: Carol Ritter, M.S., ABC-GKE – Assistant Director, Berner Center and Joseph Cordoma, Ph.D. — Manager, Berner Center

Course Overview

Designed for law enforcement and private investigators who will be involved with the task of conducting a bloodstain pattern analysis, the focus of this 40-hour basic level course is on feature documentation of each bloodstain pattern type. Attendees will have an introduction into fluid dynamic concepts as they relate to bloodstains, followed by the proper analysis of bloodstain patterns from a bottom-up, feature-based approach through to pattern elimination, using case-context to determine the mechanism(s) that created each pattern.

Training Highlights

Principles and theory behind bloodstain pattern formation
Liquid blood behavior under certain conditions
Liquid blood behavior on specific surfaces
Defining bloodstains
Documentation types and techniques
Mathematical principles

Topic(s) and/or order of topics may be subject to change at any time.

Practical Exercises:

Crime scene walkthrough
Bloodstain pattern recognition
Bloodstain documentation
Interpretation and findings

Each student is required to bring a camera (preferably a DSLR digital camera).

June 12, 2026

NJIAI Friction Ridge Working Group Meeting

Virtual

10:00 AM - 12:00 PM EST

Christopher Senor,

csenor@co.gloucester.nj.us

Please join us for our inaugural friction ridge working group meeting from 10am to 12pm.

No Registration Fee

June 15, 2026
- June 18, 2026

Trajectory Documentation Course
Expert Witness Testimony Center & Crime Scene Lab Cedar Crest College
100 College Drive
Allentown, PA 18104
08:00 AM - 04:00 PM EST
Caitlin McCullough,
Caitlin.Mccullough@cedarcrest.edu
Fee: \$0 (sponsored by DOJ Grant)
Instructor: Eugene Liscio, P. Eng

Course Overview

Hands-on training in bullet trajectory documentation using manual and digital methods
Full trajectory reconstruction techniques
Manual and advanced trajectory documentation methods with emphasis on errors and uncertainty
Strong focus on measurement defensibility and courtroom readiness
Includes multiple scenarios, mock court, and online certification exam

Agenda

Day 1 – Single Impact Methods (Foundations & Geometry)

Topics

- *Bullet defect morphology and interpreting impact features*
- *Ellipse geometry fundamentals and trigonometry refresher*
- *Error sensitivity at shallow angles*
- *Manual and digital measurement approaches*
- *Lead-in (rocker) method considerations*

Exercises

- *Substrate interpretation lab using wood, drywall, and metal*
- *Manual ellipse measurements with calipers and angle calculations*
- *Error sensitivity worksheet (measurement variation impact)*
- *Digital ellipse fitting using CloudCompare on same impacts*
- *Lead-in method validation on metal panels only*
- *Single-shot mini case reconstruction*

Day 2 – Rods, Photography & Coordinate Geometry

Topics

- *Trajectory rod theory and installation*
- *Analog angle gauges and protractor measurements*
- *Photographic rod measurement techniques*
- *Laser trajectory projection methods*
- *Two-point/baseline offset coordinate math*
- *Angle conventions and coordinate systems*

Exercises

- *Rod installation and alignment lab*
- *Vertical angle measurement with analog gauge*
- *Horizontal angle measurement using 90° or printed protractors*
- *Photographic rod documentation and digital angle extraction*
- *Two-point coordinate calculations from measured X, Y, Z points*
- *Ceiling shot projection to floor reference for horizontal angle*
- *Vehicle grid measurement and reconstruction exercise*
- *Multi-impact wall reconstruction scenario*

Day 3 – Pattern & Distribution Evidence (Applied Reconstruction)

Topics

- *Shotgun pellet pattern behavior and ellipse fitting*
- *Distance estimation principles and calibration*
- *Cartridge case ejection theory and mapping*
- *Statistical interpretation and uncertainty analysis*

Exercises

- *Shotgun pattern collection at multiple distances and angles*
- *Digitizing pellets and best-fit ellipse analysis in CloudCompare*
- *Calibration curve creation for distance estimation*
- *Unknown pattern distance estimation exercise*
- *Cartridge case baseline mapping and coordinate recording*
- *Ground truth ejection study with known firearm/ammunition*
- *Shooter location inference with known and unknown trajectory scenarios*

Day 4 – Capstone Scenarios, Mock Court & Certification

Morning – Multi-Scenario Practicum

- *Teams rotate through several mock shooting scenes*
- *Document impacts, rods, coordinates, cartridge cases, and patterns*
- *Photograph, measure, calculate, and diagram each scenario*

Midday – Assigned Presentation Preparation

- *Each team assigned one scenario to formally present*
- *Prepare diagrams, calculations, trajectory graphics, and conclusions*
- *Justify method selection and describe uncertainty ranges*

Afternoon – Presentations & Mock Court

- *Team PowerPoint presentations*
- *Peer comparison of results between groups*
- *Instructor-led mock court questioning and literature-based defense*

Final – Online Examination

- *Individual online assessment using ClassMarker platform*
- *Covers methods, math, interpretation, and uncertainty*
- *Passing score required for Certificate*

Required Equipment

- *Digital camera preferred (phone camera acceptable)*
- *Laptop with CloudCompare or equivalent software installed*
- *Trajectory rods, lasers, protractors, angle gauges, and other tools provided by instructor*

June 16, 2026

Office of Bombing Prevention: Basic Bomb Safety & Awareness
Expert Witness Testimony Center & Crime Scene Lab Cedar Crest College
100 College Drive
Allentown, PA 18104
09:00 AM - 05:00 PM EST
Caitlin McCullough,
Caitlin.mccullough@cedarcrest.edu
Fee: \$0 (sponsored by DOJ Grant)

Instructor: Michael Salter, Ph.D.

Training Highlights

Suspicious Activity Recognition for Bombing Prevention

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Includes an introduction to the BOMBER acronym and an overview of baseline behaviors, operational indicators, materials

IED Construction & Classification

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June 23, 2026

NJIAI Webinar - Using Artificial Intelligence Effectively in CSI with Jonathan Pelletier

01:00 PM - 03:00 PM EST

Christopher Senor,
csenor@co.gloucester.nj.us

Artificial intelligence is rapidly reshaping crime scene work, giving investigators faster, smarter ways to document, analyze, and interpret evidence. This focused 2-hour IA webinar introduces CSI professionals to 10+ practical AI tools they can immediately apply to photography, documentation, pattern recognition, search workflows, public interaction and courtroom reporting. Participants will better learn how to evaluate AI outputs responsibly while recognizing limitations, bias, and legal considerations. The session includes emerging threats such as deep-fakes and synthetic media, including how to detect and document manipulated imagery. Attendees need not have experience with AI but leave with ready-to-use workflows and a digital handout of curated resources designed to strengthen accuracy, efficiency, and investigative confidence.

About the Instructor

Jonathan Pelletier is a retired police detective and former Crime Scene Unit supervisor. He now serves as a forensic consultant, national instructor, and adjunct professor, with a focus on practical applications of artificial intelligence in law enforcement and forensic workflows. He is a graduate of the Virginia Forensic Science Academy and a certified Senior Crime Scene Analyst, and he develops and teaches curriculum on AI-enabled crime scene documentation, pattern recognition, and digital evidence. Pelletier is slated to present on AI in law enforcement at the 110th International Association for Identification (IAI) Annual Educational Conference.

June 25, 2026

Fingerprinting for the Patrol Officer

Rowan College of South Jersey - Gloucester County Campus Police Academy

1400 Tanyard Road

Sewell, NJ 08080

08:00 AM - 04:00 PM EST

Sue Rothfuss, 8564152244

srothfus@rcsj.edu

This one day course is designed to expand upon the basic block of instruction on fingerprint identification and collection in the police recruit class. The course will better prepare officers to identify and collect fingerprints while on scene and give them a better understanding of what tools and techniques are available in order to collect fingerprint evidence. Topics to be covered will include a discussion on various supplies available on the market, best practices when dealing with specific surfaces and weather conditions, DNA collection, and best practices when collecting arrest fingerprints on a livescan machine. This course involves several hands-on exercises using fingerprint powder. Specific topics include hands-on exercises with black/magnetic powder on smooth and textured surfaces, hands-on exercises using small particle reagent, gel lifters, Ninhydrin, microsils and sticky side tape, fingerprint windows exercises, and challenges with fingerprinting vehicles

Students will receive a basic fingerprint kit as part of tuition, but can also bring other fingerprint supplies to practice with.

Recommended equipment to bring: Digital camera, Flashlight, Pocket Knife

\$100 Tuition

June 29, 2026
- June 30, 2026

Logical Latent Analysis
Chicago Police Department Forensic Service Division
1011 Homan Ave.
Chicago, IL 60624
08:00 AM - 05:00 PM EST
Mack Brazelle,
Mackbrazelle@gmail.com
Instructor: Mack Brazelle, CLPE
Cost: \$400
Location: Chicago Police Department
Forensic Service Division
1011 Homan Ave.
Chicago, IL 60624

This two-day class will be a deep dive into the underutilized aspects of latent analysis. Go beyond point counting and target group searching. Learn how to understand and properly interpret level one information in every type of latent print. This class will make you a better, more confident latent print examiner, no matter what your experience level is.

This course has been approved for 16 hours of certification & recertification training credit by the IAI Latent Print Certification Board.

July 13, 2026
- July 15, 2026

Basic Crime Scene Investigation
Expert Witness Testimony Center & Crime Scene Lab Cedar Crest College
100 College Drive
Allentown, PA 18104
09:00 AM - 04:00 PM EST
Caitlin McCullough,
caitlin.mccullough@cedarcrest.edu
Fee: \$0 (sponsored by DOJ Grant)

Instructor: Joseph Cordoma, Ph.D.

Course Overview

Designed for all new Detectives/Patrol Officers/Investigators who are tasked with processing a crime scene, this course is designed to provide an introductory level understanding of what is involved with a proper crime scene investigation.

Attendees will have the opportunity to enhance their knowledge and increase their comfort level regarding crime scene documentation and investigation by performing practical training during this event in addition to class lectures.

Training Highlights

Introduction to crime scene investigation
Discussing and applying the crime scene processing methodology steps
Photography (day/night)
Scene Diagramming
Identification and preservation of evidence
Evidence packaging
Laboratory submissions

Topic(s) and/or order of topics may be subject to change at any time.

Practical Exercises:

Initial functions at the scene with crime scene walkthroughs
Application of the crime scene processing methodology steps
Courtroom testimony

Each student is required to bring a camera (preferably a DSLR digital camera).

July 20, 2026
- July 21, 2026

Fingerprint Photography (Tritech)
Gloucester County Prosecutor's Office
70 Hunter St.
Woodbury, NJ 08096

08:00 AM - 05:00 PM EST

Christopher Senor, 856-341-3181

csenor@co.gloucester.nj.us

Instructor: Keith Mancini, CFPH

Presented by TriTech Forensics

Tuition: \$329 per person

8a-5p

*Training Location: Gloucester County Prosecutor's Office 70 Hunter Street, Woodbury,
NJ 08096*

July 21, 2026

Office of Bombing Prevention: Basic Bomb Safety & Awareness
Expert Witness Testimony Center & Crime Scene Lab Cedar Crest College
100 College Drive
Allentown, PA 18104
09:00 AM - 05:00 PM EST
Caitlin McCullough,
Caitlin.mccullough@cedarcrest.edu
Fee: \$0 (sponsored by DOJ Grant)

Instructor: Michael Salter, Ph.D.

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August 3, 2026

Recording Friction Ridge Details from the Deceased (TriTech)

Gloucester County Prosecutor's Office - Woodbury, NJ

70 Hunter Street

Woodbury, Ne 08096

08:00 AM - 05:00 PM EST

Christopher Senor,

csenor@co.gloucester.nj.us

You can attend this course as a 1 day course or combine this day with a 4 day course Aug. 4-7 taught by the same instructor.

Forensic examiners are sometimes called upon to identify deceased persons by means of their fingerprints. This one-day Recording Friction Ridge Details from the Deceased course covers techniques that can be employed in this process, concentrating on cases where the recovery of friction ridge detail can be most difficult. Examples of this include attempting to recover such detail from decomposed, waterlogged, or burnt bodies. Students will take part in exercises designed to reinforce material instructed in the lecture series.

Topics include:

- *Morphology of Fingerprints*
- *Requirements for Recording Friction Ridge Details*
- *Recording of Major Case Prints*
- *General Recording of Recently Deceased Subjects*
- *Recording Decomposed Friction Ridge Skin*
- *Recording Macerated Friction Ridge Skin*
- *Recording Desiccated Skin*
- *Tradition Rehydration*
- *Recording Rehydrated Friction Ridge Skin*
- *Recording Charred Friction Ridge Skin*

August 4, 2026
- August 7, 2026

Advanced Latent Print Comparison (TriTech)
Gloucester County Prosecutor's Office - Woodbury, NJ
70 Hunter Street
Woodbury, NJ 08096
08:00 AM - 05:00 PM EST
Christopher Senor,
csenor@co.gloucester.nj.us
Instructor: J.P. Rodriguez

This 4 day course can be taken by itself or in conjunction with the August 3rd class taught by the same instructor.

ACE-V Friction Ridge Skin and the Identification Process – 4 hours - During this time the following topics will be discussed:

- *What is Friction Ridge skin?*
- *Friction Ridge skin Features*
- *Types of Friction Ridge skin Impressions*
- *Skin Glands and Latent Residue*
- *What is ACE-V?*
- *History of the ACE-V Process*
- *Applying ACE-V to the comparison process*

Analyzing Complex and Distorted Latent Prints – 4 hours – This section will focus on complex and distorted Latent Impressions. Including Smearing, Double Touches, Twists and various forms of pressure distortion.

- *How does Light pressure affect an impression?*
- *How does Heavy Pressure affect an impression?*
- *How does Lateral distortion affect an impression?*
- *How do twisting impressions react to the surface?*

ACE-V Practical Complex Latent Prints– 4 hours - During this time the students will be given 20 enlarged friction ridge impressions which have various forms of distortion they will apply their analysis skills using the topics discusses in the previous section.

- *What type distortion is being displayed?*
- *How is this distortion affecting the Latent Print?*
- *What are the useful areas of the Latent?*
- *What are the “Danger Zones”?*

Comparing Smart – 2 hours - During this time the following topics will be discussed:

- *Palm & Finger Clues*
- *Ridge Flow Clues*
- *Crease Clues*
- *Shape Clues*
- *Terms not technical but easy to remember, apply, and share with others*
- *Purpose is to recognize clues in partial latents & associate them with the correct area of the palm or finger*
- *Goal is to determine (prior to searching):*
- *Specific palm or finger area (position)*
- *Correct direction (orientation)*
- *Correct hand (left or right)*

Palm Orientation – 1 hours – During this time students will apply the clues their learned in the previous discussion and orient 30 palm prints.

Documenting Your Analysis – 1 hours - During this time students will be shown how to properly document their analysis so that other examiners can follow their thought process using 20 enlarged friction ridge impressions.

Preparing for a Daubert Hearing – 8 hours – In this section Multiple studies will be discussed that can prepare an examiner to explain the logical reason on how conclusions were derived by the examiner.

*Top 5 Latent studies every Latent Examiner should know.
How to apply each study to difficult courtroom question.
How to handle yourself with an overzealous advocate*

Comparisons – 16 hours – During this time students will combine all topics discussed and use magnifiers in order to locate corresponding latent impressions with the standard impression that they are given.

August 10, 2026
- August 14, 2026

FBI Fingerprint Examination Training

John H. Stamler Police Academy

1776 Raritan Road

Scotch Plains, NJ 07076

08:00 AM - 04:00 PM EST

Lt. Adrian Gardner, 908-527-4031

agardner@ucnj.org

Hosted by Union County Sheriff's Office Crime Scene Unit

Law Enforcement Officers and Civilian Friction Ridge Examiners are invited to attend this FREE training event

August 11, 2026
- August 13, 2026

Forensic Entomology Technician Workshop

Rowan University - Shreiber School of Veterinary Medicine

1000 Gilbreth Pkwy

Harrison, NJ 08062

08:30 AM - 04:30 PM EST

Denise Gemmellaro,

denise.gemmellaro@gmail.com

Instructor: Dr. Denise Gemmellaro, PhD, D-ABFE

2 Day Workshop: Aug. 11-12 - \$275 - paid to NJIAI

Optional ABFE Certification Exam: Aug. 13 - \$50 - paid directly to American Board of Forensic Entomology

*Students will receive an entomological evidence collection kit to use in the class.
Attendees will be able to:*

*Collect, process, and preserve entomological evidence
Ship entomological evidence to a forensic entomologist
Recognize and identify insects of forensic significance
Take the ABFE technician certification exam*

August 16, 2026
- August 22, 2026

110th IAI Educational Conference

08:00 AM - 09:00 PM CST

September 4, 2026

Basic Investigative Digital Photography
Rowan College of South Jersey Police Academy
1400 Tanyard Road
Sewell, NJ 08080

08:30 AM - 04:00 PM EST
Sue Rothfus, 856-415-2266
srothfus@rcsj.edu

This is a hands-on course designed to teach the basic fundamentals of digital photography at various types of scenes. This workshop focuses on basic operation of the camera, providing information and techniques to guide law enforcement agencies into the updated technological capabilities of digital photography and provide the skills needed to apply this technology in the crime scene investigation field and/or related areas. The participants will be taught how to use their department's camera equipment, focusing on camera modes, digital SOP's, operation of flash and many other practical applications.

*Please note the course is appropriate for not only investigative personnel, but patrol officers as well. **REQUIRED EQUIPMENT:** a digital camera with a flash card. Bring the camera manual and all other camera equipment issued by your department. Sharing of cameras is not permitted! All students **MUST** have their own cameras.*

September 11, 2026
- October 30, 2026

NJ State Police Crime Scene Investigations Course (Fall Session)

08:00 AM - 04:00 PM EST

Detective Loveland #7504, 609-584-5000 x 5255

csischool@njsp.gov

Tuition: \$2,450 per student

Background

This basic crime scene investigation course provides comprehensive instruction in crime scene investigation for a total of thirty-five days of training over a seven-week period. The course is held in many locations but the majority being at Monmouth University, Camp Evans (Wall Twp.), and Hamilton State Police Barracks. The goal is to create standardized training for crime scene investigators. Students will learn the most current fundamental skills and techniques to conduct their investigation.

Course Content

The two hundred-eighty hour course will be academically accredited by Seton Hall University. Individual certificates of completion which satisfy an eighty (80) hour basic course in Fingerprint Identification, a forty (40) hour basic course in Bloodstain Pattern Analysis, and a forty (40) hour basic course in Shooting Analysis and Reconstruction will be awarded along with an overall certificate for completing the two hundred-eighty hour course in basic Crime Scene Investigation.

Key Modules of the Course

- *Fingerprint Identification*
- *Fingerprint Identification/Palm Print Identification/Latent Print Processing/Courtroom Testimony*
- *Forensic Photography*
- *Shooting Reconstruction*
- *Bloodstain Pattern Analysis*
- *Forensic Anthropology/Clandestine Grave & Body Recovery*
- *Laboratory speakers/Medical Examiner's Office*
- *Evidence Collection and Crime Scene Measurements*
- *Simulated Crime Scene & Court Room Exercise*

September 21, 2026
- September 23, 2026

2026 NJIAI 3 Day Conference

Cape May Convention Hall

714 Beach Ave

Cape May, NJ 08204

08:00 AM - 05:00 PM EST

Christopher Senor,

csenor@co.gloucester.nj.us

3 days of lectures, workshops, case studies, networking opportunities, and engaging with over 15 vendors.

ABMDI Credit Pending

October 19, 2026
- October 23, 2026

Comprehensive Latent Print Comparison (TriTech)
Bergen County Sheriff's Office
160 South River Street
Hackensack, NJ 07601
08:00 AM - 05:00 PM EST
Tuition: \$699

Instructor: Deborah Smith, CLPE

October 26, 2026
- October 30, 2026

Crime Scene Investigations, Session 2
Rowan College of South Jersey Police Academy
1400 Tanyard Road
Sewell, NJ 08080
08:00 AM - 04:00 PM EST
Sue Rothfus, 856-415-2266
srothfus@rcsj.edu

This 40-hour workshop will offer hands-on training in fingerprint development, alternate light sources, photography, presumptive blood tests, and blood print development. Students will participate in mock crime scene processing and class presentations. The class is geared to detectives and patrol officers in smaller departments who are responsible for investigating crime scenes.

This course has been approved for 32 hours of certification/recertification training credit by the IAI Crime Scene Certification Board and 32 hours of certification training credit by the IAI Forensic Photography Certification Board.