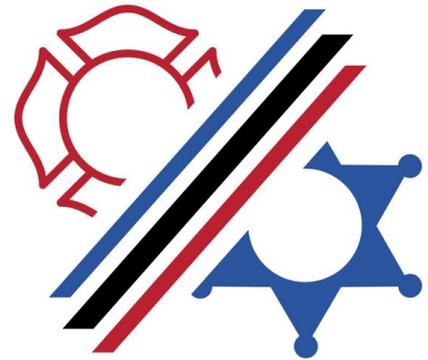


Hands On Vehicle Fire Investigations



Instructor: Steve Riggs, CFI, CFEI, CVFI & CFII Certified State of Oklahoma (Retired)

Steve retired after twenty-two years of Law Enforcement, and Fire Service Experience in Oklahoma. Steve has been examining fire scenes for 40 years. Steve possesses a bachelor's degree in Emergency Services Management, Steve has extensive training in Fire Cause Determination, Criminal Investigation, Arson Investigation, Evidence Processing, Interviewing Techniques, and Case Management. He is a certified Police and Fire Instructor, and a Certified Fire Investigator Instructor.

Steve has successfully been involved in many Fire/Arson Prosecutions in Oklahoma and was involved in a Federal Prosecution. Steve has taught nationally for over twenty-two years throughout the United States.

Course Objectives:

This training module will provide the fire/arson investigator with the practical and technical skills necessary to investigate and determine the area of origin(s) of vehicle fires.

This training module will provide both classroom and hands-on training with practical exercises on how to conduct a systematic, thorough, and scientific examination of the vehicle.

Attendees will be provided the necessary knowledge of vehicle design, electrical systems, fuel systems, and their components that will be encountered in a motor vehicle, including alternative fuels. We will examine how these components can fail or cause fires.

Upon Successful Completion:

Attendees will have been provided the necessary skills and knowledge to:

- ◆ Demonstrate the proper systematic approach and scientific method necessary for examining vehicle fires.
- ◆ Understand basic vehicle design and electrical systems.
- ◆ Demonstrate a working knowledge of wiring used in motor vehicles and the presence of electrical activity on those wires.
- ◆ Demonstrate a working knowledge of safety devices (fuses, breakers and fusible links or cartridges).
- ◆ Demonstrate the knowledge on how to properly document the vehicle fire.
- ◆ Demonstrate the knowledge to photographing the vehicle fire scene in a systematic manner.
- ◆ Demonstrate the knowledge of collecting evidence from the vehicle fire scene.
- ◆ Demonstrate the knowledge in accordance with National Fire Protection Association 921 Guide for Fire and Explosion Investigation and 1033 Professional Qualifications for Fire Investigators. Note current editions will be referenced.
- ◆ Demonstrate knowledge of how to obtain recall, technical service bulletin Information, consumer complaint Information and general research Information regarding vehicle fire investigation.
- ◆ Attendees will learn the proper techniques for documenting, photographing, evidence collection and preservation including preparing a proper written report.
- ◆ Attendees will have access to an online resource page with valuable detailed information, along with the fire tests, and the vehicle examinations conducted by each group in the class.

www.cartersonpublicsafety.com

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Hands on Vehicle Fire Investigations

Day One

8:00 a.m.—8:30 a.m. Registration

8:30 a.m.—12:00 p.m.

Correctly applying of the scientific methodology, Avoiding expectation bias, preconceived notions, systematic approach, while following the best and accepted practices during fire investigations.

12:00 p.m.—1:00 p.m. Lunch (On Your Own)

1:00 p.m.—5:00 p.m.

Determining and documenting the area of origin, which includes identifying, correlating and documentation of movement and Intensity fire patterns.

Day Two

8:00 a.m.—12:00 p.m.

Documentation continued. (Continued)

12:00 p.m.—1:00 p.m. Lunch (On Your Own)

1:00 p.m.—5:00 p.m.

Consideration of competent or potential ignition sources. Hypothesis testing, resolution of incompatible Hypothesis and undetermined fires. Supporting documentation of the scene including but not limited to, diagramming, photographing, evidence collection, the scene, and all pertinent additional support documentation.

Day Three

8:00 a.m.—11:00 p.m.

Case studies, group interaction deciding in some of the cases reviewed, could their have been any other actions to limit attacks toward the investigator(s) in the reviewed cases. Legal Aspects Case reviews of a properly documented fire scene examinations.

11:00 p.m.—12:00 p.m. Course Exam



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