

# ELECTRICAL ASPECTS OF FIRE INVESTIGATION

**Instructor: Michael R. Keller P.E**

This course addresses the critical skills essential to the effective investigation and evaluation of fires involving potential electrical fire causes. This course utilizes state of the art techniques, practices, protocols and standards to assist investigators to properly and effectively evaluate electrical systems and associated components to ascertain their role in a fire. Students will be provided with a basic knowledge of electricity, electrical circuits and distribution systems, proper evaluation and recognition of common electrical faults and failures of electrical components and circuits, as well as a working knowledge of the National Electrical Code (NEC) and how it applies to fire investigations. The use of "Arc Mapping" will also be discussed and how it can be effectively used to assist in fire origin determination. Participants will also be able to demonstrate a general knowledge of electricity, electrical circuits, systems and arc mapping principles through a series of instructor-led "hands-on" practical exercises.

When: September 7-9, 2021

Time: 8:00 AM to 5:00 PM

Fee: \$200 / Person

Location: Pasadena Fire Services Training Facility  
6600 Genoa Red Bluff Rd. Pasadena TX, 77507

## CFITrainer.Net® Module Prerequisites:

- Arc Mapping Basics
- Basic Electricity
- Electrical Safety
- Residential Electrical Systems
- Introduction to Evidence



# PASADENA FIRE MARSHAL'S OFFICE

## TRAINING DIVISION

209 N. Main Pasadena, Texas 77506  
www.pasadenafmo.com  
713-475-5556

### COURSE REGISTRATION

Participant Information: (Please Print Clearly)

\_\_\_\_\_  
Student Legal Name: (First MI Last)

\_\_\_\_\_  
TCOLE PID#

\_\_\_\_\_  
Agency Name:

\_\_\_\_\_  
Address, City, State, Zip:

\_\_\_\_\_  
Agency Phone Number:

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Agency Fax Number:

\_\_\_\_\_  
Student Contact Phone Number:

\_\_\_\_\_  
Student Email Address:

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Course Name:

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Course Start Date:

\_\_\_\_\_  
Course Location:

By signing below, I, the above named student, attest that I am currently licensed by TCOLE or have not currently been charged with any criminal offense for which conviction would bar licensing, have not been on court ordered community supervision or probation for any criminal offense above the grade of class B misdemeanor within the last ten years from the date of the court order, have not been convicted of an offense above the grade of class B misdemeanor, have never been convicted of any family violence offenses, am not prohibited by state or federal law from operating a motor vehicle, am not prohibited by state or federal law from possession firearms or ammunition, and am currently a United States citizen.

If you have to cancel your attendance into the course, please make notification at least 3 days prior to the start date, when possible.

Fax Registration To:  
713-477-3093

Email Registration To:  
dbrannon@pasadenatx.gov

Mail Registration To:  
Pasadena Fire Marshal's Office  
Training Division  
209 N. Main  
Pasadena, Texas 77506

If additional information is needed, contact Chief David M. Brannon at 281-924-3038 or the Training Coordinator at 713-475-5556 ext. 4944.

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Student Signature:

\_\_\_\_\_  
Signature Date: