



**APEX**  
FIRE SERVICES



## Greater Houston Area Fire Marshal's Council

Presents

**Advanced Analysis of Fire Science**

**&**

**Dynamics for Fire Investigators**

February 26, 27, & 28, 2013

Class Location

Apex Fire Services

3000 FM 517 West

Alvin, Texas 77511

Instructed by:

**Cory Martin**

**G.H.A.F.M.C.  
1001 SHAW AVE. SUITE 200B.  
PASADENA, TEXAS 77506**

## Advanced Analysis of Fire Science

&

## Dynamics for Fire Investigators

**Objective:** This course of study is intended to educate the investigator with an in-depth, hands-on evaluation of Fire Science including Thermodynamics, Thermometry, and Fire Dynamics and their application to Fire Investigation, Fire Analysis, and Fire Investigation Methodology / Technology.

**Course Description:** This course utilizes a combination of live fire analysis and classroom study of live fire testing in relation to actual investigations. The course is intended to specifically address major components listed within the *2009 edition of NFPA 1033 Standard for Professional Qualifications for Fire Investigator section 1.3.8* at a post-secondary level. This training is part one of a developing curriculum designed to advance fire investigators ability to competently understand and utilize current scientific methodology in the evaluation of fires and explosions. This training will focus on the above referenced topics and their role in the creation, modification, and understanding of fire patterns that are relied upon by fire investigators. The training will take place at Apex Fire Services' full service laboratory and testing facility in Alvin, Texas. The training will utilize electrically energized and equipped live compartment fires recorded through photography, internal and external videography and thermocouples to assist students with the evaluation of the same. Investigators completing this training can expected to significantly enhance their ability to understand the science of fire initiation, development and growth that plays such an integral role in the proper investigation of fires. Students must pass a written exam at the completion of the training, and an optional exam will be proctored for those who would like to take the National Association of Fire Investigators CFEI exam.

Note: (CFEI exams require NAFI's form to be completed and submitted no later than January 21, 2012) CFEI applications can be downloaded from the National Association of Fire Investigators website. **These forms must be completed and paired with separate payment to NAFI. National Association of Fire Investigators, CFEI exam cost, \$125 for members and \$170 for non members.** Each packet should then be mailed to the following address:

NAFI—Application  
1001 Shaw Suite 200B  
Pasadena, Texas 77506

**Class Cost: \$150.00 per student**

**PLEASE PRE-REGISTER TO RESERVE YOUR SPOT**

**MAXIMUM CLASS SIZE IS 40**

Make Checks payable for the class to the:  
Greater Houston Area Fire Marshal's Council

For further information contact: David Brannon

Cell: 281-924-3038

Email: [dbrannon@ci.pasadena.tx.us](mailto:dbrannon@ci.pasadena.tx.us)

### About the Instructor

Cory W. Martin will be acting as the lead instructor for this course of study. Mr. Martin received a bachelor's of science from Angelo State University, is certified by the International Association of Arson Investigators as a Certified Fire Investigator, is certified by the National Association of Fire Investigators as a Certified Fire and Explosion Investigator, Certified Vehicle Fire Investigator & Certified Fire Investigation Instructor, is certified by the Texas Commission on Fire Protection as a Certified Fire and Arson Investigator and as a Certified Fire Inspector, Certified by the Texas Commission on Private Security as a Private Investigator and Guard Dog Trainer, Certified by Global Training Academy as Detection K9 Trainer, and is certified by the Texas Commission on Law Enforcement Officer Standards and Education as a Master Peace Officer. Mr. Martin has been involved in the field of fire investigation since 1994, and has investigated in excess of 2000 fires. Through the course of these investigations Mr. Martin has been involved in extensive fire testing and research and testified to the origin, cause, development or responsibility of fires or explosions more than 35 times. Mr. Martin has published articles in both the National Journal of Forensic Science and Interflams' International Fire and Materials Conference. Mr. Martin's experience has involved close working relationships with Electrical and Mechanical Engineers, Metallurgists, Forensic Chemist, Fire Scientists, and Legal Experts.



## Registration Form

Student or  Instructor Please *Print* (clearly) the following Information:

Date: \_\_\_\_\_ Course Name: \_\_\_\_\_

**Section 1** - Please print (clearly) in the section below.

\*Maiden\*

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_- / \_\_\_\_ / \_\_\_\_ - \_\_\_\_-\_\_\_\_-\_\_\_\_\_- TCLEOSE PID: \_\_\_\_\_  
1<sup>st</sup> three letters of 1<sup>st</sup> three letters of mth day year Last 4 digits of  
First Name Last Name Date of Birth S S N (Law Enforcement Only)

**Section 2** - Please print (clearly) in the section below.

Name \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
First Middle Initial Last

E-Mail Address \_\_\_\_\_

Fire Department/Agency \_\_\_\_\_

Fire Department/Agency Address \_\_\_\_\_

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_- / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
City County State Zip

Fire Department/Agency Phone \_\_\_\_\_

**Section 3** - Read back of form and sign below.

*I have read and understand the General Release Information appearing on the back of this form.*

✓ Applicant's Signature \_\_\_\_\_ Date \_\_\_\_\_

**Section 4** - Skip, unless directed to complete this section. (Used at some Area Schools)

Class 1 \_\_\_\_\_ Class 2 \_\_\_\_\_

Class 3 \_\_\_\_\_ Class 4 \_\_\_\_\_