



▶ A TWO-DAY TRAINING EXPERIENCE THAT PROVIDES POST-SECONDARY EDUCATION AS REQUIRED BY NFPA 1033



▶ TRAINING WHICH COMES WITH DOCUMENTED COLLEGE CREDITS\* PROVIDING COMPLIANCE WITH NFPA 1033



▶ TOOLS AND RESOURCES TO JUMPSTART YOUR PURSUIT OF CONTINUING EDUCATION AND COMPLIANCE WITH NFPA 1033

Coming to Ames  
Iowa Fire Service Training Bureau  
April 22 and 23, 2013

# NFPA 1033

ADDRESSES THE NEEDS OF FIRE INVESTIGATORS AND PROVIDING COMPLIANCE WITH THE REQUIREMENTS OF NFPA 1033

“Thirteen”

...1.3.8 The investigator shall have and maintain at a minimum an up-to-date basic knowledge of the following topics beyond the high school level at a post-secondary education level... (NFPA 1033, 2009 ed.)

## Helping you comply to NFPA Standards

NFPA defines a Standard as, “A document, the main text of which contains only mandatory provisions using the word “shall” to indicate requirement and which is in a form generally suitable for mandatory reference by another standard or code or for adoption into law.”

This two-day course will present, discuss, and introduce the investigator to all of the “NFPA 1033 Thirteen” requirements for post-secondary education found in section 1.3.8 (2009 ed.). The course is not designed to be all encompassing and attendees are urged not to presume the full breadth of these topics can be covered in two-days. Rather, this will give all attendees the opportunity to familiarize themselves with these

requirements, and gather a deeper understanding of these “Thirteen” to improve their appropriate application at the fire investigation scene.

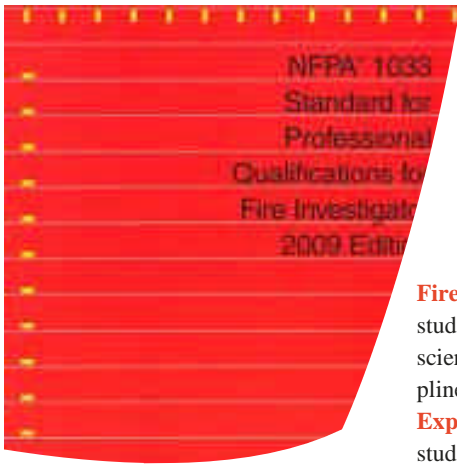
Students will also obtain a vast number of resources on where to gather additional information and training on these particular topics, and the latest research relative to fire investigations.

Additionally, tools to catalog and document your training and apply it to the 1033 “Thirteen” and the JPR’s will also be provided. Finally, the students will receive documentation to verify your post-secondary education level training on each of these topics.



**STATE FIRE MARSHAL DIVISION**

*“Excellence In Service and Protection All Ways”*



# The 1033—Thirteen and the JPR's

*What are the thirteen requirements?*

**Fire Science** - Clearly a broad topic, but can be defined as the body of knowledge concerning the study of fire and related subjects.

**Fire Chemistry** - The study of chemical processes that occur in fires, including changes of state, decomposition, and combustion.

**Thermodynamics** - The science of energy conversion involving heat.

**Thermometry** - The science and practice of temperature measurement.

**Fire Dynamics** - The detailed study of how chemistry, fire science, and engineering disciplines influence fire behavior.

**Explosion Dynamics** - The study of explosion and their associated effects.

**Computer Fire Modeling** - Helps us understand the complexities of fire and allow appreciation of the factors which influence the growth and spread of fire.

**Fire Investigation** - A broad topic which encompasses every aspect of the profession

**Fire Analysis** - The process of determining the origin, cause, development, responsibility, and a failure analysis of a fire or explosion.

**Fire Investigation Methodology** - This method provides for the organizational and analytical process necessary in a successful fire investigation

**Fire Investigation Technology** - Having a familiarization with the technology commonly associated with fire scene investigations.

**Hazardous Materials** - Basic recommendations concerning a variety of safety issues, including PPE.

**Failure Analysis and Analytical Tools** - Methods and tools used to analyze fires of any size and used to organize information collected during the investigation.

**HOST THIS COURSE:**  
How we can come to you.



This course and the instructors are ready, willing, and able to travel to your location and present this training to you and your staff, or fellow investigators in your community. For further information on the requirements to hosting this program and how you can obtain free seats to the proceedings, contact:  
Robert Toth, IAAI-CFI®  
303-840-4705

## YOUR INSTRUCTORS

David J. Icove  
Sandra Wesson  
Sharon Walter  
Robert K. Toth  
Lisa Hanks

## Location:

Fire Service Training Bureau  
3100 Fire Service Road (Haber Rd)  
Ames, IA 50011-3100

<http://www.dps.state.ia.us/fm/fstb>

## SEMINAR HIGHLIGHTS

- Doors open April 22 at 7:00 am
- Includes breaks and lunches
- Seminar materials provided
- Opportunity for 16 tested training hours

 **ONLINE**  
registration and payment  
[www.irisfire.com/WWITH](http://www.irisfire.com/WWITH)

 **FAX**  
completed enrollment and credit card  
number to: (866) 812-4944

 **MAIL**  
WWITH c/o IRIS Fire Investigations, Inc.  
99 Inverness Drive East Suite 160  
Englewood, Colorado 80112

Name to appear on Name Badge

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If paying with credit card:

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Name on credit card

Company

Credit Card Billing Address

Billing City, State, Zip

Credit Card #

Exp. date

Signature

Before March 1 2013

\$495

After March 1, 2013

\$595

**Cancellation Policy:** No refunds after  
March 1, 2013.

A **confirmation** will be sent after registration  
payment.

Registration questions contact:  
Robert K. Toth  
(303) 840-4705  
[WWW.IRISFIRE.COM](http://WWW.IRISFIRE.COM)