

# Agenda

*Presented by Bryan Hoskins, Ph.D.*

## Fire Protection and Life Safety Design

Applicable codes

- International Fire Code
- National Fire Protection Association (NFPA) codes
- State building codes
- Local ordinances

Scope and purpose of codes and ordinances

Special occupancies: health care facilities and others

## Occupancy Classifications

General requirements and criteria

- Change of use and /or change of occupancy
- Hazard classifications

Life safety issues

Design specifications and scenarios

Evaluation and documentation

## Means of Egress

Exit access, discharge and other components

- Impediments to egress

Calculating and determining occupant loads

- Gross vs. net

Arrangement of exits

Equivalency discussion

## Fire Protection Features and Equipment

Walls, signage

Fire detection, alarm and communication systems

Sprinkler systems

## Occupancy Exercises

Case studies:

- New construction
- Changing occupancy of existing buildings

### Can't Attend? Order the Self-Study Package:

An audio recording of this seminar, along with the seminar manual, is available for \$289. Allow four weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

## Complying with Fire Protection and Building Codes

Bossier City, LA - Thursday, February 28, 2019



Halfmoon Education Inc.  
PO Box 278  
Altoona, WI 54720-0278

NON-PROFIT  
U.S. POSTAGE PAID  
EAU CLAIRE, WI  
PERMIT NO. 2016

## Learning Objectives

### You'll be able to:

**Examine** the scope and purpose of applicable codes and ordinances, including the International Fire Code, Louisiana building codes and NFPA codes.

**Review** occupancy and hazard classifications.

**Discuss** exit access and arrangement of exits.

**Identify** requirements related to signage, alarms, sprinkler systems and other fire protection features and equipment.

**Apply** what you have learned to occupancy exercises for new construction and existing buildings.



# Complying with Fire Protection and Building Codes

Bossier City, LA - Thursday, February 28, 2019



**Enhance** your understanding of fire protection and life safety design

**Explore** general requirements and criteria related to occupancy classification

**Discuss** fire protection features and equipment

**Understand** the National Fire Protection Association (NFPA) codes as well as the Louisiana Building Codes and Standards

### Continuing Education Credits

#### Professional Engineers

6.5 PDHs

#### Architects

6.5 HSW CEHs

6.5 AIA HSW Learning Units

#### International Code Council

.65 CEUs (Fire)

#### Contractors

Non-Credit Continuing Ed.



HalfMoon Education Inc.  
WWW.HALFMOONSEMINARS.ORG



PREFERRED  
EDUCATION  
PROVIDER



# Faculty

**Bryan Hoskins, Ph.D.**  
*Assistant Professor of Fire Protection & Safety at Oklahoma State University*

Dr. Hoskins earned his B.S. and M.S. degrees in Fire Protection Engineering from the University of Maryland. He also received his Ph.D. degree in Mechanical Engineering from the University of Maryland in 2011 with an emphasis on building egress.

Dr. Hoskins spent one year working for Arup on projects primarily dealing with life safety design and people movement. He then spent two years working for the National Institute of Standards and Technology working on projects dealing with building evacuations and emergency messaging. He is a registered fire protection engineer in the state of Oklahoma.

Dr. Hoskins is the chair of the Society of Fire Protection Engineers (SFPE) working group that developed a research roadmap for fire protection, and he is a member of the Human Behavior in Fire Task group for SFPE. He serves on multiple code and standards committees. He has authored more than 20 articles related to building evacuations and human behavior in fire.

# Seminar Information

|                                                                                                             |                                                                          |                                                                                        |
|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Courtyard Shreveport-Bossier City</b><br>100 Boardwalk Blvd.<br>Bossier City, LA 71111<br>(318) 742-8300 | Registration<br>8:00 - 8:30 am<br><br>Morning Session<br>8:30 - 11:45 am | Lunch (On your own)<br>11:45 am - 12:45 pm<br><br>Afternoon Session<br>12:45 - 4:30 pm |
|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------|

**Tuition**  
**\$279** for individual registration  
**\$259** for three or more simultaneous registrations.

**Included with your registration:** *Complimentary continental breakfast and printed seminar manual. Registration does not include copies of the Codes themselves.*

**Receive a reduced tuition rate of \$101** by registering to be our on-site coordinator for the day. For availability and job description, please visit [www.halfmoonseminars.org](http://www.halfmoonseminars.org).

**How to Register**

- Visit us online at [www.halfmoonseminars.org](http://www.halfmoonseminars.org)
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

**Cancellations:** Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

# Additional Learning

**Webinar Series**

**Off-Grid Master Class**

- **Off-Grid Master Class, Part I**  
Wed., Feb. 6, 2019, 11:00 AM -2:15 PM CST
- **Off-Grid Master Class, Part II**  
Thurs., Feb. 7, 2019, 11:00 AM -2:15 PM CST

**Complying with ADA Standards for Accessible Design**

- **Complying with Federal and State Accessibility Requirements**  
Thurs., Feb. 7, 2019, 11:00 AM -1:30 PM CST
- **Meeting Requirements in IBC and ADA Standards**  
Fri., Feb. 8, 2019, 11:00 AM -1:30 PM CST

For more information and other online learning opportunities visit:  
[www.halfmoonseminars.org/webinars/](http://www.halfmoonseminars.org/webinars/)

**Special Inspections**

- **Introduction to Chapter 17: Special Inspections**  
Wed., Feb. 13, 2019, 11:00 AM -12:30 PM CST
- **Soils and Foundations**  
Wed., Feb. 13, 2019, 1:00 -2:30 PM CST
- **Reinforced Concrete and Structural Steel**  
Thurs., Feb. 14, 2019, 11:00 AM -12:30 PM CST
- **ACT Ceiling Grid, Epoxy Anchors, and Fire Penetrations**  
Thurs., Feb. 14, 2019, 1:00 -2:30 PM CST

**Foundations in Cold Regions**

- **Introduction to Cold Regions Foundations**  
Thurs., Feb. 21, 2019, 11:00 AM -12:30 PM CST
- **Shallow Foundation Design in Cold Regions**  
Thurs., Feb. 21, 2019, 1:00 -2:30 PM CST
- **Deep Foundation Design in Cold Regions**  
Fri., Feb. 22, 2019, 11:00 AM -12:30 PM CST
- **Foundation Construction in Cold Regions**  
Fri., Feb. 22, 2019, 1:00 -2:00 PM CST

## Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects in most states, including Louisiana.

The American Institute of Architects has approved this event for 6.5 HSW Learning Units (Sponsor No. J885). The Louisiana State Board of Architectural Examiners accepts programs approved by the American Institute of Architects. Only full attendance can be reported to the AIA/CES.

Engineers and architects seeking continuing education credit in other states will be able to claim the hours earned at this seminar, in most cases. Refer to specific state rules to determine eligibility.

The International Code Council has approved this event for .65 CEUs in the specialty are of Fire.

This course offers a non-credit continuing education opportunity for construction contractors. It is not approved in any state with a contractor continuing education requirement.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

**Can't Attend? Order the Manual and the Audio from the Live Seminar as a Self-Study Package!**

An audio recording of this seminar is available for \$289. Allow four weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

# Registration

**Complying with Fire Protection and Building Codes**  
Bossier City, LA - Thursday, February 28, 2019

| How to Register                                                                          | Registrant Information                                                                                                                                              |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Online:</b><br><a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a> | Name: _____<br>Company/Firm: _____<br>Address: _____<br>City: _____ State: _____ Zip _____<br>Occupation: _____<br>Email: _____<br>Phone: _____                     |
| <b>Phone:</b><br>715-835-5900                                                            | <b>Additional Registrants:</b><br>Name: _____<br>Occupation: _____<br>Email: _____<br>Phone: _____                                                                  |
| <b>Fax:</b><br>715-835-6066                                                              | Name: _____<br>Occupation: _____<br>Email: _____<br>Phone: _____                                                                                                    |
| <b>Mail:</b><br>HalfMoon Education Inc.,<br>PO Box 278, Altoona, WI<br>54720-0278        | Name: _____<br>Occupation: _____<br>Email: _____<br>Phone: _____                                                                                                    |
| <b>Complete the entire form.</b> Attach duplicates if necessary.                         | Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred. |
| ( )  I need special accommodations. Please contact me.                                   |                                                                                                                                                                     |

## Tuition

( ) **I will be attending the live seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.

( ) **I am not attending.** Please send me the self-study package for **\$289.00**.

☐ Downloadable MP3 Audio/PDF Manual

☐ CD/Manual Package

(Please allow four weeks from seminar date for delivery)

**Checks:** Make payable to HalfMoon Education Inc.

**Credit Card:** *Mastercard, Visa, American Express, or Discover*

Credit Card Number: \_\_\_\_\_

Expiration Date: \_\_\_\_\_ CVV2 Code: \_\_\_\_\_

Cardholder Name: \_\_\_\_\_

Billing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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

Email: \_\_\_\_\_