

Agenda

Presented by Justin Biller, P.E., MCP, CFPS, CLSS-HC

Fire Protection and Life Safety Design

Applicable codes

- International Fire Code
- National Fire Protection Association (NFPA) codes
- Tennessee 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

Case studies

Fire Protection Features and Equipment

Walls, signage

Fire detection, alarm and communication systems

Sprinkler systems

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

Audio recordings of this seminar are available for purchase starting at \$279. See registration panel for more information and 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 and Building Codes

Online Webinar - Wednesday, March 25, 2020



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

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Learning Objectives

You'll be able to:

Identify life safety and building codes which contain fire protection and fire resistance requirements, including the International Fire Code and National Fire Protection Association (NFPA) codes.

Define building occupancy classifications and identify how changes of use and occupancy affect fire protection requirements.

Comply with requirements for fire protection features and equipment, including fire-resistant building materials, fire and smoke protection features, fire detection and alarm systems and sprinkler systems.

Describe fire and building code requirements for exit access and discharge for different types of building occupancies.

Comply with requirements for both number of exits and exit arrangement.



HalfMoon Education Online Learning Complying with Fire and Building Codes

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Enhance your understanding of fire protection and life safety design

Understand the National Fire Protection Association (NFPA), International Fire Code and Tennessee state codes and standards

Explore general requirements and criteria related to occupancy classifications

Learn about exit access, discharge and other components of means of egress

Discuss fire protection features and equipment

Continuing Education Credits

Architects

6.5 HSW PDHs
6.5 AIA LU|HSW

Professional Engineers

6.5 HSW PDHs

Interior Designers

6.5 HSW PDHs

International Code Council

.65 CEUs (Fire)

Tennessee Code Inspectors

Applied/Pending - Fire

Contractors

Non-Credit CE

Webinar instructions and login information will be provided in an email sent close to the date of the webinar. To register, please fill out the attached form or visit us at: www.halfmoonseminars.org/webinars/



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Faculty

Justin Biller, P.E., MCP, CFPS, CLSS-HC *Emerson Graham + Associates, Charlotte, NC*

Mr. Biller is a faculty lecturer at the University of North Carolina Charlotte in the undergraduate program in Fire and Safety Engineering Technology and the graduate program in Fire Protection and Safety Management. He teaches on an array of courses including fire and building codes, fire behavior and fire dynamics, human behavior in fire, fire protection systems and hydraulics, fire modeling and performance-based aspects of fire protection engineering design, fire prevention and fire protection public policy.

Mr. Biller is also owner and principal fire protection engineer of Emerson Graham + Associates – a fire protection engineering and code consultancy firm, and he is technical director of AEGIS, a fire door and barrier management inspection agency. He holds registration as a professional fire protection engineer in multiple states including Virginia, Georgia, North Carolina and New York. Additionally, he is an NFPA certified healthcare life safety specialist healthcare facility manager (CLSS-HC), a certified fire protection specialist (CFPS), and he holds the master code professional (MCP), certified building official (CBO), and certified fire official (CFO) certifications from ICC. Mr. Biller is a professional member of the American Society of Healthcare Engineers (ASHE), a professional member of the Society of Fire Protection Engineers (SFPE), and a member of the National Fire Protection Association (NFPA), currently serving on four technical committees. He is a 2014 graduate of the MSc. Fire Protection Engineering program at California Polytechnic State University, and he is a 2007 undergraduate of the BSc., Engineering Technology program at Old Dominion University.

Here’s what past attendees had to say about the program and presenter Justin Biller:

“Great class.” – Building Inspector “Excellent presentation.” – Architect

Webinar Information

Log into Webinar	Break
8:00 - 8:30 am	11:45 am - 12:45 pm
Morning Session	Afternoon Session
8:30 - 11:45 am	12:45 - 4:30 pm

Tuition
\$299 for individual registration
\$279 for three or more registrations.
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.

How to Register

- Visit us online at 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.

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 HSW PDHs to Tennessee architects, engineers, and interior designers. Educators and courses are not subject to preapproval in Tennessee.

This seminar is approved by the American Institute of Architects Continuing Education System for 6.5 LU|HSW (Sponsor No. J885). Visit www.halfmoonseminars.org for complete AIA/CES course information under this seminar listing. Only full attendance is reportable to the AIA/CES.

Architects and engineers seeking continuing education credit in other states will be able to apply 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 area of Fire.

HalfMoon Education has applied to the Tennessee Department of Commerce and Insurance, Division of Fire Protection for course approval, which is pending.

The current status of the pending course credit can be found at www.halfmoonseminars.org or by calling 715-835-5900 ext. 1.

This seminar offers a non-credit continuing education opportunity to construction contractors. HalfMoon Education is not seeking contractor continuing education approval in any state.

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.

Additional Learning

Webinar Series

Structural Forensic Engineering

- **Overview of the Role of Forensic Engineering**
Thurs., April 16, 2020, 11:00 - 12:30 PM CDT
- **Forensic Engineering Process and Forensic Engineering Report**
Thurs., April 16, 2020, 1:00 - 3:00 PM CDT
- **Causes of Structural Failures**
Fri., April 17, 2020, 11:00 - 12:30 PM CDT
- **Forensic Examination of Structures and Use in Litigation**
Fri., April 17, 2020, 1:00 - 3:00 PM CDT

Water Conservation

- **Reviewing the Owner’s Commitment to Water Conservation and Applicable Codes and Standards**
Thurs., April 23, 2020, 11:00 AM - 12:30 PM CDT
- **Assessing the Building Site**
Thurs., April 23, 2020, 1:00 - 2:00 PM CDT
- **Conserving and Reducing Water Use**
Fri., April 24, 2020, 11:00 AM - 1:00 PM CDT
- **Onsite Water Recycling and Minimizing Water Use**
Fri., April 24, 2020, 1:30 - 3:30 PM CDT

Special Inspections under the IBC Chapter 17

- **Special Inspections under the IBC Chapter 17, Part I**
Wed., April 29, 2020, 11:00 AM - 2:15 PM CDT
- **Special Inspections under the IBC Chapter 17, Part II**
Thurs., April 30, 2020, 11:00 AM - 3:15 PM CDT

For more information and other online learning opportunities visit:
www.halfmoonseminars.org/webinars/

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Registration

Complying with Fire and Building Codes

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How to Register		Registrant Information
Online: www.halfmoonseminars.org		
Phone: 715-835-5900		
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Complete the entire form. Attach duplicates if necessary.		
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		Phone: _____
		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 webinar.** Single Registrant - **\$299.00**. Three or more registrants from the same company registering at the same time - **\$279.00** each.

() **I am not attending.** Please send me the self-study package:

☐ Downloadable MP3 Audio/PDF Manual for **\$279.00**.

☐ CD/Manual Package for **\$299.00**. ☐ USB/Manual Package **\$299.00**.
(S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

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