

Agenda

Presented by Justin Biller, P.E., FSFPE, MCP, CFPS, CBO

Fire Protection and Life Safety Design

- National and statewide fire codes
 - International Fire Code
 - National Fire Protection Association (NFPA) codes
 - Local codes and ordinances
- Scope and purpose of codes and ordinances
- Code adoption and enforcement in Virginia
- 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

- Building materials and components
- Fire and smoke protection features
- Fire detection, alarm and communication systems
- Sprinkler systems
- Special occupancies and equipment

Code Compliance Exercises

- Case studies:
 - New construction
 - Changing occupancy of existing buildings

Choose the way you want to learn!

This program will be presented simultaneously live, in-person *and* live online! Move from in-person to online anytime!

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Recordings of this seminar are available for purchase. 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 Virginia Fire Protection and Building Codes

Roanoke, VA or Online - Wednesday, August 24, 2022

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Learning Objectives

- You'll be able to:**
- Explore** the requirements of the International Fire Code and National Fire Protection Association (NFPA) codes.
 - Discuss** life safety and fire protection provisions in Virginia state and municipal fire and building codes.
 - Learn** how occupancy classifications are assigned, and get tips on what to do when changing building occupancy and/or use.
 - Determine** building occupant loads, and comply with requirements for exit access and discharge.
 - Meet** requirements for fire resistant building materials, and for fire and smoke protection features.
 - Participate** in code compliance exercises for new construction and changes of occupancy.



Live, In-Person Seminar and Live Webinar

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- Identify** the goals of fire protection and life safety design
- Understand** occupancy classification
- Discuss** means of egress
- Explore** fire protection features and equipment
- Examine** code compliance case studies

Continuing Education Credits

- | | |
|---|---|
| Professional Engineers
7.0 PDHs | International Code Council
.7 CEUs (Fire) |
| Architects
7.0 HSW CE Hours
7.0 AIA LU HSW | |



Faculty

Justin Biller, P.E., FSFPE, MCP, CFPS, CBO *Emerson Graham + Associates, Roanoke, VA*

Mr. Biller is owner and principal fire protection engineer of Emerson Graham + Associates, a fire protection engineering and code consultancy firm. He is also a principal and code consultant for CODEcheck Consulting, a third-party review agency serving multiple local jurisdictions with third-party plan review and inspection services. Mr. Biller also serves as a fire protection engineer for George Mason University's (GMU) Office of the University Building Official (OUBO), where he reviews fire protection and fire/life safety compliance. He holds registration as a professional engineer in multiple states including Virginia. Mr. Biller is a member of the International Code Council (ICC), a fellow of the Society of Fire Protection Engineers (SFPE), a member of the Automatic Fire Alarm Association (AFAA) and the National Fire Sprinkler Association (NFSA), and a member of the National Fire Protection Association (NFPA), currently serving on four technical committees for which Building Construction and Life Safety Code chapters are included. Mr. Biller is an NFPA certified fire protection specialist (CFPS), and he holds the master code professional (MCP), certified building official (CBO), and certified fire official (CFO) certifications, in addition to multiple other code compliance certifications from the ICC. 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.

Mr. Biller is an adjunct lecturer at Eastern Kentucky University and University of North Carolina at Charlotte in each of the respective undergraduate programs in Fire and Safety Engineering Technology. In his educational background, he has taught 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.

Seminar/Webinar Information

Courtyard Roanoke Airport
3301 Ordway Drive,
Roanoke, VA 24017
(540) 563-5002

Registration
8:00 - 8:30 am EDT

Morning Session
8:30 - 11:45 am EDT

Lunch (on your own)
11:45 am - 12:15 pm EDT

Afternoon Session
12:15 - 4:30 pm EDT

Webinar Information:
Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar. For system requirements, please visit the FAQ section of our website, or visit www.gotowebinar.com.

Tuition
\$319 for individual registration
\$289 for three or more registrants from the same company at the same time.
Included with your registration: *PDF Seminar Manual.*
A printed manual is available for an additional cost upon request. Please call to order.

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: Transfer from seminar to webinar or from webinar to seminar at any time without charge! Cancel at least 48 hours before the start of the seminar/webinar, 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/webinar or the self-study package. You may also authorize another person to take your place.

Additional Learning

International Residential Code 2021
- Thurs, July 21, 2022 | 10:00 am - 6:00 pm EDT

Designing and Constructing a Net-Zero Energy Home
- Mon, July 25, 2022 | 12:00 - 4:30 pm EDT
- Fri, July 29, 2022 | 12:00 - 2:30 pm EDT

2021 International Residential Code: Residential Non-Structural Design
- Wed, July 27, 2022 | 12:00 - 4:30 pm EDT

Designing for Accessibility under ADA Standards and IBC
- Wed, July 27, 2022 | 9:30 am - 1:15 pm EDT
- Thurs, July 28, 2022 | 9:30 am - 1:15 pm EDT

Structural Design for Wood Construction
- Thurs, Aug 11, 2022 | 9:30 am - 6:00 pm EDT

Designing for Fire Protection
- Fri, Aug 12, 2022 | 10:00 am - 5:00 pm EDT

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

Continuing Education Credit Information

This webinar is open to the public and is intended to offer 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to licensed architects in Virginia. Professionals licensed in other states will be able to claim the hours earned at this webinar, in most cases. Refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 7.0 LU | HSWs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .7 CEUs in the specialty area of Fire (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

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Registration

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How to Register		Registrant Information
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Phone: 715-835-5900		Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ 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.
Fax: 715-835-6066	Code:	() I need special accommodations. Please contact me.
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		
Complete the entire form. Attach duplicates if necessary.		

Tuition

Single Registrant - **\$319.00**. Three or more registrants from the same company registering at the same time - **\$289.00** each

() **Seminar:** I will be attending the presentation, live, in person, in Roanoke, VA
No walk-in registrations will be accepted.

() **Webinar:** I will be attending the presentation live, online

() **I am not attending.** Please send me the seminar recording:
☐ Streamable MP4 Video/PDF Manual for **\$329.00**
☐ USB Video/PDF Manual for **\$329.00**

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