

Agenda

Presented by Jake Zlomie, CFPS

Fire Protection and Life Safety Design

- Applicable codes
 - International Fire Code
 - National Fire Protection Association (NFPA) codes
 - Montana 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

- 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

Complying with Fire Protection & Building Codes

Helena, MT - Wednesday, November 6, 2019



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PO Box 278
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Learning Objectives

You'll be able to:

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

Describe building occupancies and identify how change 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.

Participate in code compliance exercises, applying fire protection code requirements to new construction and to buildings undergoing changes in occupancy.



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Understand fire protection and life safety design

Explore fire protection features and equipment

Review occupancy classifications

Examine code compliance case studies

Discuss means of egress

Continuing Education Credits

Professional Engineers

7.0 PDHs
MSE Approved

International Code Council

.7 CEUs (Fire)

Architects

7.0 HSW CE Hours
7.0 AIA LU|HSW

Contractors

Non-Credit Continuing Ed.

AIA
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Provider



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Faculty

Jake Zlomie, CFPS *Fire Marshall, Montana State University*

Mr. Zlomie graduated from Oklahoma State University with a bachelor’s degree in Fire Protection and Safety Engineering Technology in 2013. He is currently working on establishing a programmatic approach to fire and life safety to ensure that students, staff, and visitors of Montana State University are safe from the hazards associated with fire. Prior to starting at Montana State University, Mr. Zlomie had work experiences in municipal fire prevention, Department of Energy facility fire protection, and commercial nuclear power. He maintains certification as a certified fire protection specialist (CFPS) from the National Fire Protection Association (NFPA), and fire inspector I and fire inspector II from the International Code Council (ICC), as well as several fire service certifications. Outside of work, you can find him on the golf course, exploring Montana, or spending time with family. Mr. Zlomie currently resides in Bozeman with his wife and daughter.

Seminar Information

Delta Hotels Helena Colonial	Registration	Lunch (On your own)
2301 Colonial Drive	8:00 - 8:30 am	11:45 am - 12:45 pm
Helena, MT 59601	Morning Session	Afternoon Session
(406) 443-2100	8:30 - 11:45 am	12:45 - 5:00 pm

Tuition

\$289 for individual registration
\$269 for three or more simultaneous registrations.

Included with your registration:
Complimentary continental breakfast and printed seminar manual.

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.

Additional Learning

Webinar Series

Commercial Provisions of the International Energy Conservation Code
• **Commercial Provisions of the International Energy Conservation Code**
Wed., Sept. 11, 2019, 11:00 AM - 1:00 PM CDT
• **IECC Provisions for Commercial Building Envelopes**
Wed., Sept. 11, 2019, 1:30 - 4:00 PM CDT
• **IECC Provisions for Commercial Building HVAC Systems**
Thurs., Sept. 12, 2019, 11:00 AM - 12:00 PM CDT
• **IECC Provisions for Commercial Building Lighting**
Thurs., Sept. 12, 2019, 12:30 - 2:00 PM CDT

International Building Code
• **Building Code, Building Classification and Special Requirements**
Thurs., Sept. 12, 2019, 11:00 AM - 12:30 PM CDT
• **Mixed Use Buildings, Construction Types and Locations**
Thurs., Sept. 12, 2019, 1:00 - 2:30 PM CDT
• **Allowable Heights/Areas and Means of Egress**
Fri., Sept. 13, 2019, 11:00 AM - 12:30 PM CDT
• **Fire Rated Construction and Fire Protection Systems**
Fri., Sept. 13, 2019, 1:00 - 2:30 PM CDT

Tree Preservation
• **Keys for Success in Tree Preservation**
Tues., Sept. 17, 2019, 11:00 AM - 1:00 PM CDT
• **Tree Root Morphology and Patterns**
Tues., Sept. 17, 2019, 1:30 - 3:30 PM CDT
• **Trees as Design Elements and Construction Strategies**
Wed., Sept. 18, 2019, 11:00 AM - 1:00 PM CDT
• **Tree Protection and Post Construction**
Wed., Sept. 18, 2019, 1:30 - 3:30 PM CDT

For more information visit:
www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects all states. Educators and courses are not subject to preapproval in Montana. The Montana Society of Engineers has approved this course for 7.0 PDHs.

This seminar has been approved by the America Institute of Architects Continuing Education System for 7.0 LU|HSW (Sponsor No. J885). Only full attendance can be reported to the AIA/CES. Visit www.halfmoonseminars.org for complete AIA/CES information under this course listing.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects.

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

This seminar offers a continuing education opportunity to construction contractors but has not been submitted to any state contractor licensing board for continuing education approval.

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 Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at \$269. 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.

Registration

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How to Register	
Online: www.halfmoonseminars.org	
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Complete the entire form. Attach duplicates if necessary.	
Registrant Information Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____ 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. () I need special accommodations. Please contact me.	

Tuition

- () **I will be attending the live seminar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$269.00** each.
- () **I am not attending.** Please send me the self-study package:
- ☐ Downloadable MP3 Audio/PDF Manual for **\$269.00**.
- ☐ CD/Manual Package for **\$289.00**.
- (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

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