

Agenda

Presented by Bryan Hoskins, P.E. Ph.D.

Fire Protection and Life Safety Design

- Applicable codes
- International Fire Code
 - National Fire Protection Association (NFPA) codes
 - Texas building codes
 - Local codes and 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

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Complying with Texas Fire Protection and Building Codes

Live, Interactive Webinar - Monday, July 12, 2021

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



Learning Objectives

You'll be able to:

Identify key provisions of fire protection and life safety design codes, including National Fire Protection Association (NFPA) codes and the International Fire Code.

Explore occupancy classifications, and discuss hazard classifications and change of occupancy.

Comply with code provisions on means of egress, including number and arrangement of exits.

Meet requirements for fire protection features, such as fire detection systems and sprinkler systems.

Explore fire protection code compliance case studies for new construction and for change of occupancy.



HalfMoon Education Online Learning

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Explore the International Fire Code, NFPA codes and Texas building codes

Examine occupancy classifications

Study means of egress requirements

Learn about 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 CEPs/CE Hours
7.0 AIA LU | HSW

AIA
Continuing
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Faculty

Bryan Hoskins, P.E. Ph.D.
Associate 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.

Professor Hoskins is the chair of the Society of Fire Protection Engineers (SFPE) working group that developed a research roadmap for fire protection and 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.

Webinar Information

Log into Webinar 8:00 - 8:30 am CDT	Break 11:45 am - 12:15 pm CDT
Morning Session 8:30 - 11:45 am CDT	Afternoon Session 12:15 - 4:30 pm CDT

Tuition
\$289 for individual registration
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***Included with your registration:* PDF seminar manual.**

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- 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

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Cancellations: Cancel at least 48 hours before the start of the 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 webinar or the self-study package. You may also authorize another person to take your place.

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Additional Learning

- AIA Contract Document Workshop**
- Tues, June 1, 2021 | 8:30 am - 4:30 pm CDT

Community Solar Project Workshop
- Thurs, June 3, 2021 | 8:30 am - 4:30 pm CDT

Basics of Structural Steel Design
- Fri, June 4, 2021 | 8:30 am - 3:45 pm CDT

National Electrical Code 2020: Grounding and Bonding
- Fri, June 4, 2021 | 8:30 am - 5:00 pm CDT

Slope Stabilization and Landslide Prevention
- Mon, June 7, 2021 | 8:30 am - 5:00 pm CDT

Writing Successful Proposals and RFPs
- Tues, June 8, 2021 | 8:30 am - 5:00 pm CDT

Designing Interiors for Human Wellness
- Thurs, June 10, 2021 | 11:00 am - 3:05 pm CDT
- Fri, June 11, 2021 | 11:00 am - 1:25 pm CDT
- Practical Site Engineering: Science & Techniques**
- Thurs, June 10, 2021 | 11:00 am - 3:15 pm CDT
- Fri, June 11, 2021 | 11:00 am - 2:15 pm CDT

Stormwater Basins and Underground Systems
- Tues, June 15, 2021 | 9:00 am - 4:30 pm CDT

Structural Forensic Engineering
- Tues, June 15, 2021 | 10:00 am - 1:45 pm CDT
- Wed, June 16, 2021 | 10:00 am - 2:15 pm CDT

International Residential Code 2021
- Wed, June 16, 2021 | 8:30 am - 4:30 pm CDT

Engineering Ethics: Handling Ethical Issues in Professional Engineering Practice
- Fri, June 18th, 2021 | 11:00 am - 12:00 pm CDT
- For more information and other online learning opportunities visit: www.halfmoonseminars.org

Continuing Education Credit Information

This webinar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW CEPHs/continuing education hours to architects licensed in Texas. Educators and courses are not subject to preapproval in Texas.

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

Professional engineers and architects seeking continuing education credit in states other than Texas 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 .7 CEUs in the specialty area of Fire (Preferred Provider No. 1232)

Completion certificates will be awarded to participants who complete this event, respond to prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Registration

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<div>How to Register</div> <div>Online: www.halfmoonseminars.org</div> <div>Phone: 715-835-5900</div> <div><div>Fax: 715-835-6066</div><div>Code:</div></div> <div>Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278</div> <div>Complete the entire form. Attach duplicates if necessary.</div>	<div>Registrant Information</div> <div>Name: _____</div> <div>Company/Firm: _____</div> <div>Address: _____</div> <div>City: _____ State: _____ Zip _____</div> <div>Occupation: _____</div> <div>Email: _____</div> <div>Phone: _____</div> <div>Additional Registrants:</div> <div>Name: _____</div> <div>Occupation: _____</div> <div>Email: _____</div> <div>Phone: _____</div> <div>Name: _____</div> <div>Occupation: _____</div> <div>Email: _____</div> <div>Phone: _____</div> <div>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.</div> <div>() I need special accommodations. Please contact me.</div>
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