

# Agenda

Presented by John Swanson

## Fire Protection and Life Safety Design

Applicable codes

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

Complying with Fire Protection and Building Codes  
Wilmington, NC - Monday, March 18, 2019



Halfmoon Education Inc.  
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Altoona, WI 54720-0278

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## Learning Objectives

### You'll be able to:

**Learn** about fire protection codes and life safety design.

**Explore** occupancy classifications.

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

**Examine** fire protection features and equipment, including fire detection systems and sprinkler systems.

**Review** case studies of new construction and of occupancy changes for existing buildings.



# Complying with Fire Protection and Building Codes

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**Learn** about fire protection codes and life safety design

**Explore** occupancy classifications

**Study** exit access and arrangement of exits

**Examine** fire protection features and equipment

**Review** case studies

## Continuing Education Credits

### Professional Engineers

6.5 PDHs

### Architects

6.5 HSW Contact Hours

6.5 AIA HSW Learning Units

### International Building Code

.65 CEUs (Building)

### North Carolina Code Officials

6.5 Credit Hours – Building

6.5 Credit Hours – Fire Prevention

### Contractors

Non-Credit Continuing Ed.



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# Faculty



## John Swanson

Deputy State Fire Marshal – Inspector / Plans Examiner Minnesota State Fire Marshal Division

Mr. Swanson has worked in the fire service as a firefighter, fire marshal and state fire marshal for nearly 20 years. He is certified as a Fire Inspector III, Plans Examiner, Firefighter II and NICET certified in fire alarm systems. Mr. Swanson currently represents the Minnesota State Fire Marshal Division on several state and national code development and interpretation committees, including NFPA 72 – National Fire Alarm and Signaling Code and the IBC Fire Safety Committee. He serves as a contract instructor for the International Code Council (ICC), National Fire Academy and often travels the United States providing training on NFPA 72. In 2013, he was appointed by Minnesota Governor, Mark Dayton to the state board responsible for establishing rules and regulations for those practicing in the architectural and engineering professions for the State of Minnesota. In 2013, Mr. Swanson’s youngest son was diagnosed with autism spectrum disorder. Due to this, he has a personal interest in fire alarm systems and fire safety for children with autism spectrum disorder and other special needs. Through his work on the NFPA 72 technical committee, Mr. Swanson has worked on a national

task group to review fire alarm notification appliances and the impact they have on children with autism. He has also served as a consultant nationally to design professionals, school districts and code officials on autism-related fire and life safety issues.

### Here’s what past attendees had to say about the program and presenter John Swanson:

“One of the best courses I’ve attended in the last two years.” – *Electrical PE*

“Good presenter.”—Architect

“Very good topics & a very knowledgeable instructor.” – *Professional Engineer*

“Great presenter & great material.” – *Mechanical Design Engineer*

# Seminar Information

## Holiday Inn Express & Suites

160 Van Campen Blvd.  
Wilmington, NC 28403  
(910) 392-3227

Registration  
8:00 - 8:30 am  
Morning Session  
8:30 - 11:45 am  
Lunch (On your own)  
11:45 am - 12:45 pm  
Afternoon Session  
12:45 - 4:30 pm

## Tuition

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

Each registration includes a 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.

## Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 HSW contact hours to architects in North Carolina. HalfMoon Education is an approved continuing education provider for North Carolina engineers.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885). Activities approved by the AIA qualify for North Carolina 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 apply the hours earned at this seminar. Refer to specific state rules to determine eligibility.

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

The North Carolina Code Officials Qualification Board has approved this course for 6.5 credits hours in Building and 6.5 credit hours in Fire Prevention.

This event offers a non-credit continuing education opportunity to construction contractors.

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

### 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 visit:  
[www.halfmoonseminars.org/webinars/](http://www.halfmoonseminars.org/webinars/)

### 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

## Complying with Fire Protection and Building Codes

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How to Register	Registrant Information
<b>Online:</b> <a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a>	Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
<b>Phone:</b> 715-835-5900	<b>Additional Registrants:</b> Name: _____ Occupation: _____ Email: _____ Phone: _____
<b>Fax:</b> 715-835-6066	Name: _____ Occupation: _____ Email: _____ Phone: _____
<b>Mail:</b> HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	Name: _____ Occupation: _____ Email: _____ 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.
	<input type="checkbox"/> 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**.

(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: \_\_\_\_\_

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