

# Agenda

*Presented by Marc Knisley, P.E.*

**Development and Enforcement of International Plumbing Code**

- Applicability of code
- Duties of code official
- Obtaining approvals and permits
- Participating in inspections and testing

**Chapters 2-5:  
Definitions, Regulations, Fixtures and Water Heaters**

- Definitions
- General regulations
- Fixtures, faucets and fittings
- Water heaters

**Chapters 6-10:  
Water, Sanitary Drainage, Indirect Waste, Vents and Stacks**

- Water supply and distribution
- Sanitary drainage
- Indirect/special waste
- Vents
- Traps, interceptors and separators

**Chapters 11-15:  
Storm, Piping, Non-Potable Systems, Irrigation and Appendices**

- Storm drainage
- Special piping and storage systems
- Non-potable systems
- Irrigation systems
- Standards and appendices

**Can't Attend? Order the Self-Study Package:**

An audio recording of this seminar is available for \$289 (including shipping). Allow four weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

**International Plumbing Code**  
Knoxville, TN - Thursday, January 24, 2019



Halfmoon Education Inc.  
PO Box 278  
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## Learning Objectives

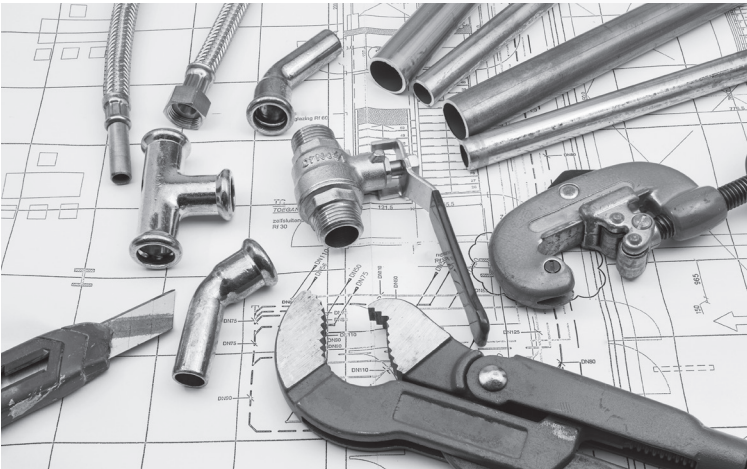
**You'll be able to:**

- Apply** the IPC to your projects and understand how to participate in inspections and testing.
- Identify** code requirements for fixtures, faucets, fittings, and water heaters.
- Understand** code requirements for water supply and distribution.
- Comply** with code requirements for special piping and storage systems.



# International Plumbing Code

*Knoxville, TN - Thursday, January 24, 2019*



**Receive** an introduction to the 2012 International Plumbing Code (IPC) as adopted in Tennessee

**Review** code requirements for fixtures, faucets, fittings, and water heaters

**Discuss** water, sanitary drainage, indirect waste, vents and stacks

**Understand** code requirements for storm drainage, piping, non-potable systems, and irrigation

**Continuing Education Credits**

**Professional Engineers**  
6.5 HSW Continuing Ed. Hours

**Architects**  
6.5 HSW Continuing Ed. Hours  
6.5 AIA HSW Learning Units

**International Code Council**  
.65 CEUs (Building)

**Contractors**  
Non-Credit Continuing Ed.



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# Faculty

**Marc Knisley, P.E.** *Director of Energy Services with Hodge Engineering Company in Knoxville, TN*

Mr. Knisley has 18 years’ experience in the design of HVAC systems. He has been a professional engineer since 2001 and is registered in Tennessee, North Carolina, and Alabama. Mr. Knisley has been the engineer of record on various facility types including offices, schools, churches, manufacturing facilities, restaurants, correctional facilities, health care facilities, and retail spaces. He has experience in energy auditing and performance, HVAC design, plumbing, process piping, and fire protection. Mr. Knisley earned his B.S. degree in Mechanical Engineering from the University of Tennessee-Knoxville.

- His representative project experience includes:**
- Energy audits of over 100 schools across the state of Tennessee
  - HVAC and plumbing system design for offices at the TVA Belefonte Nuclear Power Plant in Alabama
  - HVAC and process piping system design for several buildings at the Oak Ridge National Laboratory
  - HVAC and plumbing system design for three welcome centers in Cherokee, NC, including one that was designed to achieve “net zero” energy usage
  - HVAC and plumbing system design for a LEED Silver office building in Knoxville, TN
  - Complete replacement of the HVAC system in a courthouse in Morgan County, TN
  - HVAC and plumbing system design for industrial facilities in Tennessee, North Carolina, and Alabama
  - HVAC and plumbing system design for a Japanese steakhouse in Seymour, TN
  - HVAC and plumbing system design for a veterinary clinic in Seymour and design of HVAC replacement for an animal shelter in Knoxville

# Seminar Information

**Four Points by Sheraton Knoxville  
Cumberland House Hotel**  
1109 White Avenue  
Knoxville, TN 37917  
(865) 971-4663

**Tuition**  
**\$279** for individual registration  
**\$259** for three or more registrations.

**Included with your registration:**  
*Complimentary continental breakfast and printed seminar manual. Registration does not include a copy of the code itself.*

**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 HSW continuing education hours to engineers and 6.5 HSW continuing education hours to architects in most states, including Tennessee. Educators and courses are not subject to preapproval in Tennessee.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (Provider No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects.

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

This seminar offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state contractor licensing board for mandatory continuing education credit.

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**
- Residential Energy Code**
- **Introduction to the Residential Energy Code and Mandatory Requirements**  
Thurs., Dec. 6, 2018, 11:00 AM - 12:30 PM CST
  - **IECC Residential Building Envelope Requirements**  
Thurs., Dec. 6, 2018, 1:00 - 2:30 PM CST
  - **IECC Residential HVAC Requirements**  
Fri., Dec. 7, 2018, 11:00 AM - 12:30 PM CST
  - **International Energy Conservation Permit Pathways**  
Fri., Dec. 7, 2018, 1:00 - 2:30 PM CST

- Deep Foundations**
- **Deep Foundation Site Evaluation**  
Weds., Dec. 12, 2018, 11:00 AM - 12:00 PM CST
  - **Overview of Deep Foundations**  
Weds., Dec.12, 2018, 12:30 - 2:00 PM CST
  - **Deep Foundation Pile Design**  
Thurs., Dec. 13, 2018, 11:00 AM - 12:30 PM CST
  - **Deep Foundation Installation and Testing**  
Thurs., Dec. 13, 2018, 1:00 - 2:00 PM CST

- Stormwater Management Systems**
- **Stormwater Infrastructure Practices**  
Weds., Dec. 19, 2018, 11:00 AM - 1:00 PM CST
  - **Infiltration Management Techniques**  
Thurs., Dec. 20, 2018, 11:00 AM - 1:00 PM CST

- NFPA 70E Series**
- **NFPA 70E, Part I**  
Weds., Dec. 26, 2018, 11:00 AM - 3:30 PM CST
  - **NFPA 70E, Part II**  
Thurs., Dec. 27, 2018, 11:00 AM - 3:30 PM CST

- Seismic Design and Construction**
- **Seismology and Building Codes**  
Thurs., Dec. 27, 2018, 11:00 AM - 3:30 PM CST
  - **Seismic Design of Building Structures**  
Fri., Dec. 28, 2018, 11:00 AM - 3:30 PM CST

For more information visit:  
[www.halfmoonseminars.org/webinars/](http://www.halfmoonseminars.org/webinars/)

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

An audio recording of this seminar is available for \$289. Allow four weeks from the seminar date for delivery. 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		Registrant Information
Online: <a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a>		Name: _____
		Company/Firm: _____
		Address: _____
		City: _____ State: _____ Zip _____
Phone: 715-835-5900		Occupation: _____
		Email: _____
		Phone: _____
Fax: 715-835-6066		Code:
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		<b>Additional Registrants:</b>
		Name: _____
		Occupation: _____
		Email: _____
		Phone: _____
Complete the entire form. Attach duplicates if necessary.		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 - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.

( ) **I am not attending.** Please send me the self-study package for **\$289.00**.

☐ Downloadable MP3 Audio/PDF Manual

☐ CD/Manual Package

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

Billing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Signature: \_\_\_\_\_

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