

Credit Information

Complying with the 2021 International Energy Conservation Code

This webinar offers 6.0 PDHs to professional engineers and 6.0 HSW continuing education hours to architects licensed in all states.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 5554646), Indiana (License No. CE21655559), Maryland, New Jersey (Approval No. 24GP5555655), North Carolina (S-5135), and North Dakota. 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 6.0 LU|HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Energy (Preferred Provider No. 1232).

International Existing Building Code

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The American Institute of Architects Continuing Education System has approved this course for 7.0 LU|HSW (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 Building (Preferred Provider No. 1232).

International Residential Code 2021

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The International Code Council has approved this event for .6 CEUs in the specialty area of Building (Preferred Provider No. 1232).

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

February Building Code Webinars for Architects, Engineers and Other Professionals

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February Building Code Webinars

Complying with the 2021 International Energy Conservation Code

- Tuesday, February 16, 2021 | 11:00 am - 2:30 pm CST
- Wednesday, February 17, 2021 | 11:00 am - 2:30 pm CST

International Existing Building Code

- Monday, February 22, 2021 | 8:30 am - 5:00 pm CST

International Residential Code 2021

- Wednesday, February 24, 2021 | 10:00 am - 2:30 pm CST
- Thursday, February 25, 2021 | 10:00 am - 12:00 pm CST

Have questions or wish to register by phone?

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HalfMoon Education Online Learning February Building Code Webinars

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To register visit us online at

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Complying with the 2021 International Energy Conservation Code

A Two-Day Webinar Series

Tuition: \$289 per registrant, \$199 per registrant for three or more

Credits: Professional Engineers: 6.0 PDHs **Architects:** 6.0 HSW CE Hours
AIA: 6.0 LU|HSW **International Code Council:** .6 CEUs (Energy)

Complying with the 2021 International Energy Conservation Code Day One

Tuesday, February 16, 2021 | 11:00 am - 2:30 pm CST (including a 30-min. break)

Development of the 2021 International Energy Conservation Code

- ASHRAE/IESNA 90.1
- Identifying projects to which the Code applies
- Code application and enforcement
- Overview of changes to the 2021 IECC
 - Improved thermal and envelope air leakage requirements
 - Additional energy efficiency packages and a new “Points” system
 - Zero Code appendix

Commercial Provisions

- Scope and administration
- Compliance options
- General requirements
- Existing buildings

Building Envelope

- Weather-resistive barriers
- Vapor barriers, air barriers and thermal boundaries
- Calculating insulation thickness/U factors
- Slab insulation
- Advanced framing methods
- Fenestration requirements, requirements for doors and entrances
- Insulation requirements
- Basement insulation, exterior foam

Complying with the 2021 International Energy Conservation Code Day Two

Wednesday, February 17, 2021 | 11:00 am - 2:30 pm CST (including a 30-min. break)

Building Systems

- Heating, ventilating and air conditioning systems
- Service water heating
- Power and lighting

Residential Provisions of IECC

- Scope and administration
- Compliance options
- General requirements
- Existing buildings
- Building envelopes
- Building systems

Presented by

Lawrence Lile, PE, LEED AP BD+C, QCxP *Owner of Lile Engineering in Ashland, MO*

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International Existing Building Code

Monday, February 22, 2021 | 8:30 am - 5:00 pm CST (including a 60-min. break)

Tuition: \$289 per registrant, \$199 per registrant for three or more

Credits: Professional Engineers: 7.0 PDHs **Architects:** 7.0 HSW CE Hours
AIA: 7.0 LU|HSW **International Code Council:** .7 CEUs (Building)

Working with the International Existing Building Code

- Existing building stock: challenges and opportunities
- Development of the Code for 2018
- Chapter 1: Scope and Administration
- Chapter 2: Definitions

Chapter 3: Provisions for All Compliance Methods

- Option 1: prescriptive compliance method
- Option 2: work area compliance method
- Option 3: performance compliance method

Chapters 4 and 6

- Repairs
- Classification of work

Chapters 7-9: Alterations

- Alterations levels 1, 2 and 3

Chapter 10: Change of Occupancy

- Change of occupancy classification
- Means of egress
- Code compliance for building elements

Chapter 11: Additions

- Heights and areas
- Structural requirements

Chapters 12 and 14

- Historic buildings
- Moved or relocated buildings

Presented by

Christopher McWhite, CBO, HCO *Accomplished building inspector and plans examiner, with 20 years of experience in public and non-profit code enforcement and inspections*

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To register, view detailed presenter biographies, and see other learning opportunities, please visit:

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International Residential Code 2021

A Two-Day Webinar Series

Tuition: \$289 per registrant, \$199 per registrant for three or more

Credits: Professional Engineers: 6.0 PDHs **Architects:** 6.0 HSW CE Hours
AIA: 6.0 LU|HSW **International Code Council:** .6 CEUs (Building)

International Residential Code 2021 Day One

Wednesday, February 24, 2021 | 10:00 am - 2:30 pm CST (including a 15-min. break)

Development and Enforcement of the International Residential Code 2021

- Welcome – about this webinar
- Development and enforcement of International Residential Code
- History of the International Residential Code
- Major changes in the IRC 2021

Building Planning

- Exercise #1: Create a Sample Building (to be used in further exercises)
- Building planning
- Table R301.2(1) Climatic and Geographical Design Data
- Exercise #2: Fill out Table R301.2(1) for your example building

Fire Resistance Requirements

- Exercise #3 – Fire resistant construction
- Light, ventilation, minimum room sizes and ceiling heights
- Egress
- Windows
- Smoke and carbon monoxide alarms
- Residential accessibility

Shell Construction

- Foundations
- Floors and walls
- Simplified wall bracing
- Roof framing

International Residential Code 2021 Day Two

Thursday, February 25, 2021 | 10:00 am - 12:00 pm CST

Energy Efficiency and Building Systems

- Questions from previous homework assignments
- Energy efficiency
- Residential energy efficiency
- R and U factors
- Weather resistive barriers, air barriers and vapor retarders
- Insulation and fenestraton requirements
- Simulated performance and energy rating index alternatives
- Mechanical
- Exhaust and ventilation
- Venting and ducting
- Water heaters
- Required plumbing tests
- Electrical

Presented by

Lawrence Lile, PE, LEED AP BD+C, QCxP *Owner of Lile Engineering in Ashland, MO*

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