

Credit Information

International Residential Code 2021

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. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina (S-0130), 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 Building (Preferred Provider No. 1232).

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

The 2021 International Fire Code

This webinar offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects licensed in all states.

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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 Fire (Preferred Provider No. 1232).

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

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Live, Interactive Webinars

- International Residential Code 2021
- The 2021 International Fire Code

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Live, Interactive Webinars

International Residential Code 2021

- Thursday, April 15, 2021 | 10:00 am - 2:30 pm CDT
- Friday, April 16, 2021 | 10:00 am - 12:00 pm CDT

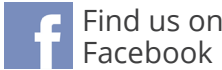
The 2021 International Fire Code

- Thursday, April 22, 2021 | 8:30 am - 5:00 pm CDT

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International Residential Code 2021

Thursday, April 15 and Friday, April 16, 2021

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)

Presented by Lawrence Lile

Day One: Thursday, April 15, 2021

10:00 am - 2:30 pm CDT (incl. a 30-min. break)

Development and Enforcement of the International Residential Code

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

Building Planning

Excercise #1 create a sample building (to be used in further exercises)
Building planning Table R301.2(1) climatic and geographical design data
Ultimate design wind speeds
Seismic considerations Flood resistant construction
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
Ceiling heights Egress
Windows Smoke and carbon monoxide alarms
Residential accessibility

Shell Construction

Foundations Floors and walls
Roof framing Simplified wall bracing
Questions and wrap-up

Day Two: Friday, April 16, 2021

10:00 am - 12:00 pm CDT

Energy Efficiency

Energy efficiency R and U factors
Air barriers Insulation and fenestration requirements
Simulated performance and energy rating index alternatives

Mechanical, Electrical and Plumbing

Mechanical requirements Exhaust and ventilation
Venting and ducting Required plumbing tests
Water heaters Electrical
Questions and wrap-up

21 USIRCOD1 4 15 WEBR PC - 21 USIRCOD2 4 16 WEBR PC

The 2021 International Fire Code

Thursday, April 22, 2021 | 8:30 am - 5:00 pm CDT (incl. 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 (Fire)

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

International Building and Fire Code Overview

Code layout
Scope and purpose of code
Application and equivalency
Changes to the 2021 International Fire Code (IFC)

- Provisions or emergency responder communications beyond radios
- Requirements for energy storage systems (ESS)
- New and revised requirements for specific hazards

Complying with General Requirements

Key definitions
Chemicals and processes that create fire hazards
Equipment that can be hazardous
Building mechanical systems
Smoking
Vacant premises

Fire Service and Fire Protection Systems

Fire equipment and access
Sprinkler and standpipe systems
Alarm and detection systems
Other equipment

Fire-rated Construction and Interior Finishes

Fire-resistance-rated construction
Interior finishes

- Definitions and classifications
- Trim and incidental finishes
- Content and furnishings

Providing Means of Egress

General requirements
Occupancy loads

Providing Means of Egress

Calculations
Signage and marking

Special Structures and Occupancies

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Faculty

International Residential Code 2021

Lawrence Lile *Owner of Lile Engineering in Ashland, MO*

Mr. Lile is the owner of Lile Engineering, which specializes in commercial energy solutions and LEED certification consulting. Mr. Lile has worked in the design industry for over 30 years, on healthcare, industrial, commercial and educational construction projects. He has been involved in electrical and mechanical design, as well as construction management and commissioning. He has volunteered for local city boards and commissions, including the City of Columbia Energy and Environment commission, which he chaired from 2009 – 2015, helping the City review and adopt new building codes. Mr. Lile is a licensed Professional Engineer in Missouri.

The 2021 International Fire Code

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.

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