

Faculty and Credit Information

Presented by Joseph Iliff, CBO

Building & Zoning Director for Village of Swansea, Illinois

Mr. Iliff has been a building official, building inspector, and city planner for more than 25 years, serving cities in Indiana, Texas, Missouri, and Illinois. He earned an undergraduate degree in urban planning and development from Ball State University. He holds certifications as a residential building inspector, building official, city planner, and floodplain manager. He has taught classes on the residential, building, and property maintenance codes with a focus on preparing students for certification exams and effective administration.

Continuing Education Credit Information

Each webinar offers 4.0 PDHs to professional engineers and 4.0 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) and North Carolina (S-0130). 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 each course for 4.0 LU|HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved each event for .40 CEUs in the specialty area of Building (Preferred Provider No. 1232).

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

Added Value: Enhance your learning - recordings of these webinars will be available for attendees to stream online for two weeks after the program dates. (Must attend live webinar to earn live webinar credits)

Can't Attend? Order any of these Webinars as a Self-Study Package!

Recordings of these webinars are available for purchase. See course listing online 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.

2021 International Residential Code (IRC) Webinar Series

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2021 International Residential Code (IRC) Webinar Series

Pick and choose which courses apply to you!

Sign up for each course individually or all 10 at a discounted rate

Each course approved for continuing education credit!

Including AIA Credit, ICC CEUs, and PE PDHs (see inside for credits)

Course content developed by Master Code Professional and Certified Building Official, Mr. Jared Agee and presented by Certified Building Official, Mr. Joseph Iliff.

To register, please visit us online at:

www.halfmoonseminars.org

Have questions or wish to register by phone?

Give us a call at 715-835-5900 and press 1 for Customer Service.



HalfMoon Education Online Learning 2021 International Residential Code (IRC) Webinar Series



Ten live four-hour webinars providing an in-depth understanding of the 2021 International Residential Code

1. Fundamental Provisions, Concepts, and Existing Buildings - Wednesday, May 18, 2022
2. Residential Building Planning - Wednesday, June 1, 2022
3. Residential Structural Design - Wednesday, June 15, 2022
4. Residential Structural Construction - Wednesday, June 29, 2022
5. Residential Means of Egress - Wednesday, July 13, 2022
6. Residential Non-Structural Design - Wednesday, July 27, 2022
7. Residential Energy Conservation - Wednesday, August 10, 2022
8. Residential Mechanical Systems - Wednesday, August 24, 2022
9. Residential Plumbing Systems - Wednesday, Sept 7, 2022
10. Residential Electrical Systems - Wednesday, Sept 21, 2022

Continuing Education Credits

Each course provides 4.0 HSW CE Hours/PDHs for a total of 40.0 HSW CE Hours/PDHs for the entire series



HalfMoon Education Inc.
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2021 International Residential Code:
Fundamental Provisions,
Concepts, and Existing Buildings

Wednesday, May 18, 2022 | 11:00 am - 3:30 pm CDT (incl. 30-min. break) **Tuition:** \$209

Credits: Professional Engineers: 4.0 PDHs Architects: 4.0 HSW CE Hours
AIA: 4.0 LU | HSW International Code Council: .4 CEUs (Building)

Agenda:

History of the code The code development process

Layout of the code Scope of the IRC

Residential code versus the building code

Impact of other codes in residential construction

Alternative means of compliance

Referenced standards Understanding appendices

Sections for existing buildings

22 USIRCFPC 5 18 WEBR WL

2021 International Residential Code:
Residential Building Planning

Wednesday, June 1, 2022 | 11:00 am - 3:30 pm CDT (incl. 30-min. break) **Tuition:** \$209

Credits: Professional Engineers: 4.0 PDHs Architects: 4.0 HSW CE Hours
AIA: 4.0 LU | HSW International Code Council: .4 CEUs (Building)

Agenda:

Design professionals requirements Fire separation distances

Exterior walls, projections, openings, and penetrations

Fire resistant construction Story height

Fire protection of floors Light and ventilation Required heating

Minimum room areas Ceiling heights

Sanitation and plumbing requirements

Glazing Garages and carports

Automatic sprinkler systems Smoke and carbon monoxide alarms

Foam protection Protection of wood

Flood resistant construction Storm shelters Solar energy systems

Mezzanines Pools and spas

22 USIRCRBP 6 1 WEBR WL

2021 International Residential Code:
Residential Structural Design

Wednesday, June 15, 2022 | 11:00 am - 3:30 pm CDT (incl. 30-min. break) **Tuition:** \$209

Credits: Professional Engineers: 4.0 PDHs Architects: 4.0 HSW CE Hours
AIA: 4.0 LU | HSW International Code Council: .4 CEUs (Building)

Agenda:

Design parameters Alternative design methods

Applicable climatic and geographic design criteria

Cladding Wind and seismic loads

Dead loads and live loads Bearing strength of soil

Footing sizing and design Foundation design

Joist and beam spans Wood floor framing

Floor sheathing Out-of-plane force resistance

Header size

Brace wall design and simplified braced wall design

Truss design Roof framing and sheathing

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*Each 4-hour course is \$209 per registration.
Attend all 10 for \$1499!*

Register Online: Please visit www.halfmoonseminars.org to find the 2021 International Residential Code (IRC) webinar series, or call our Customer Service Department at (715) 835-5900.

Can't Attend? Order any of these Webinars as a Self-Study Package!
See course listing online for more information.

2021 International Residential Code:
Residential Structural Construction

Wednesday, June 29, 2022 | 11:00 am - 3:30 pm CDT (incl. 30-min. break) **Tuition:** \$209

Credits: Professional Engineers: 4.0 PDHs Architects: 4.0 HSW CE Hours
AIA: 4.0 LU | HSW International Code Council: .4 CEUs (Building)

Agenda:

Soils Footing size and layout Foundation methods

Retaining walls Waterproofing and dampproofing Columns

Exterior decks

- Ledger connections
- Lateral bracing
- "H"-frame design and connection
- Post/beam sizing and connection
- Pier design
- Fasteners

Drilling and notching Joist spans and reinforcement

Truss installation and bracing General fasteners Engineered fasteners

22 USIRCWSC 6 29 WEBR WL

2021 International Residential Code:
Residential Means of Egress

Wednesday, July 13, 2022 | 11:00 am - 3:30 pm CDT (incl. 30-min. break) **Tuition:** \$209

Credits: Professional Engineers: 4.0 PDHs Architects: 4.0 HSW CE Hours
AIA: 4.0 LU | HSW International Code Council: .4 CEUs (Building)

Agenda:

Emergency escape and rescue openings

Stairs Ramps Hallways Doors and landing

Accessibility Guards Handrails Window control devices

Window fall protection devices Garage doors

Ship ladders and alternating tread devices

Elevators and platform lifts Comparison to IBC requirements

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2021 International Residential Code:
Residential Non-Structural Design

Wednesday, July 27, 2022 | 11:00 am - 3:30 pm CDT (incl. 30-min. break) **Tuition:** \$209

Credits: Professional Engineers: 4.0 PDHs Architects: 4.0 HSW CE Hours
AIA: 4.0 LU | HSW International Code Council: .4 CEUs (Building)

Agenda:

Fire separation distances and planning Fireblock materials and locations

Draftspotting materials and locations Fire wall construction

Exterior wall coverings Interior wall coverings Flashing

Roof materials Roof system ventilation Attic access

Roof insulation Reroofing Window and doors

Mounted photovoltaic systems

22 USIRCNSD 7 27 WEBR WL

2021 International Residential Code:
Residential Energy Conservation

Wednesday, August 10, 2022 | 11:00 am - 3:30 pm CDT (incl. 30-min. break) **Tuition:** \$209

Credits: Professional Engineers: 4.0 PDHs Architects: 4.0 HSW CE Hours
AIA: 4.0 LU | HSW International Code Council: .4 CEUs (Building)

Agenda:

Background General information Building thermal envelope

Building systems Electrical power and lighting

Compliance methods

- Mandatory requirements
- Simulated performance alternative
- Energy rating index

Existing building compliance

- Additions
- Alterations
- Repairs
- Change in occupancy or use

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2021 International Residential Code:
Residential Mechanical Systems

Wednesday, August 24, 2022 | 11:00 am - 3:30 pm CDT (incl. 30-min. break) **Tuition:** \$209

Credits: Professional Engineers: 4.0 PDHs Architects: 4.0 HSW CE Hours
AIA: 4.0 LU | HSW International Code Council: .4 CEUs (Building)

Agenda:

General requirements Heating and cooling appliances

Exhaust systems Duct systems Combination air

Chimney and vents Special appliances, equipment, and systems

Boilers and water heaters Hydronic piping

Special piping and storage systems Solar thermal energy systems Fuel gas

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2021 International Residential Code:
Residential Plumbing Systems

Wednesday, Sept 7, 2022 | 11:00 am - 3:30 pm CDT (incl. 30-min. break) **Tuition:** \$209

Credits: Professional Engineers: 4.0 PDHs Architects: 4.0 HSW CE Hours
AIA: 4.0 LU | HSW International Code Council: .4 CEUs (Building)

Agenda:

General requirements Plumbing fixtures

Water heaters Water supplies and distributions

Sanitary drainage Vents Traps Storm drainage

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2021 International Residential Code:
Residential Electrical Systems

Wednesday, Sept 21, 2022 | 11:00 am - 3:30 pm CDT (incl. 30-min. break) **Tuition:** \$209

Credits: Professional Engineers: 4.0 PDHs Architects: 4.0 HSW CE Hours
AIA: 4.0 LU | HSW International Code Council: .4 CEUs (Building)

Agenda:

General requirements Services

Branch circuit and feeder requirements

Wiring methods Power and lighting distribution

Devices and luminaires Appliance installations

Swimming pools Class 2 circuits

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