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

These webinars are open to the public and are designed to qualify for 4.0 PDHs for professional engineers and 4.0 HSW or Non-HSW continuing education hours for licensed architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

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). This first course does not qualify for engineers or architects in New York or in states which require HSW coursework.

The American Institute of Architects Continuing Education System has approved this course for 4.0 LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved these events for .4 CEUs in the specialty areas of Bulding, Fire, Energy or Electrical (depending on course) (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits

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4.0 HSW LUs (AIA)

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2021 International Residential Code (IRC) Webinar Series

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Course content developed and presented by
Certified Building Official, Joseph Iliff

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

1. Code Fundamentals - Tuesday, November 14, 2023
2. Building Planning - Tuesday, November 28, 2023
3. Structural Design - Tuesday, December 12, 2023
4. Non-Structural Design - Tuesday, January 9, 2024
5. Structural Construction - Tuesday, January 23, 2024
6. Means of Egress - Tuesday, February 6, 2024
7. Energy Conservation - Tuesday, February 20, 2024
8. Mechanical Systems - Tuesday, March 5, 2024
9. Plumbing Systems - Tuesday, March 19, 2024, 2023
10. Electrical Systems - Tuesday, April 2, 2024

Continuing Education Credits

Each course provides continuing education credits.
See each listing inside for credit breakdown.

AIA Continuing Education Provider
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2021 International Residential Code:
Code Fundamentals

Tuesday, November 14, 2023 | 12:00 - 4:30 pm CST **Tuition**: $209

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

Agenda:
- Code history and development
- Scope and layout
- Key differences between the Residential and Building Codes
- Alternatives and modifications from strict application
- Referenced standards
- Appendices

23 USIRCCDF 11 14 WEBR WL

2021 International Residential Code:
Building Planning

Tuesday, November 28, 2023 | 12:00 - 4:30 pm CST **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
- Fire-resistant construction
- Minimum standards for occupancy
- Sanitation and plumbing
- Glazing
- Automatic sprinkler systems
- Flood-resistant construction
- Storm shelters

23 USIRCBPL 11 28 WEBR WL

2021 International Residential Code:
Structural Design

Tuesday, December 12, 2023 | 12:00 - 4:30 pm CST **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
- Climatic and geographic design criteria
- Wind and seismic loads
- Dead loads and live loads
- Foundation design
- Floor framing, joist and beam span tables
- Brace wall design and simplified braced wall design
- Roof framing and sheathing

23 USIRCSTD 12 12 WEBR WL

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See course listing online for more information.

2021 International Residential Code:
Non-Structural Design

Tuesday, January 9, 2024 | 12:00 - 4:30 pm CST **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
- Fireblocking and draftstopping
- Wall coverings and flashing
- Roof materials, systems, and insulation
- Attic access
- Window and doors
- Photovoltaic systems

24 USIRCNSD 1 9 WEBR WL

2021 International Residential Code:
Structural Construction

Tuesday, January 23, 2024 | 12:00 - 4:30 pm CST **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, footings and foundations
- Retaining walls and columns
- Exterior decks
- Drilling and notching
- Joist spans and reinforcement
- Truss installation, bracing, and fasteners

24 USIRCSTC 1 23 WEBR WL

2021 International Residential Code:
Means of Egress

Tuesday, February 6, 2024 | 12:00 - 4:30 pm CST **Tuition:** $209

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

Agenda:
- Emergency escape and rescue openings
- Stairs, ramps, hallways, doors and landings
- Accessibility
- Guards and handrails
- Window controls
- Garage doors

24 USIRCMEG 2 6 WEBR WL

2021 International Residential Code:
Energy Conservation

Tuesday, February 20, 2024 | 12:00 - 4:30 pm CST **Tuition:** $209

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

Agenda:
- Building thermal envelope
- Building systems
- Electrical power and lighting
- Three methods of compliance
- Mandatory requirements
- Simulated performance alternative
- Energy rating index
- Additions, alterations, and repairs

24 USIRCEGC 2 20 WEBR WL

2021 International Residential Code:
Mechanical Systems

Tuesday, March 5, 2024 | 12:00 - 4:30 pm CST **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:
- Heating and cooling
- Exhaust and duct systems
- Combination air
- Chimney and vents
- Special appliances, equipment, and systems
- Boilers and water heaters
- Fuel gas
- Solar thermal energy systems

24 USIRCMSY 3 5 WEBR WL

2021 International Residential Code:
Plumbing Systems

Tuesday, March 19, 2024 | 12:00 - 4:30 pm CDT **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:
- Plumbing fixtures
- Water heaters
- Water supply and distribution
- Sanitary drainage
- Vents and traps
- Storm drainage

24 USIRCPLS 3 19 WEBR WL

2021 International Residential Code:
Electrical Systems

Tuesday, April 2, 2024 | 12:00 - 4:30 pm CDT **Tuition:** $209

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

Agenda:
- Service sizes and conduits
- Branch circuit and feeder requirements
- Wiring methods
- Power and lighting distribution
- Devices and luminaires
- Appliance installations
- Swimming pools
- Protected circuits

24 USIRCELS 4 2 WEBR WL