

Agenda

Presented by Vincent F. Fratinardo, P.E., S.E., RRC

The New Chicago Building Code: 70 Years in the Making

(fully effective in August 2020)

Navigating the New Code:

- Title 14A – Administrative Provisions
- Title 14B – Chicago Building Code
- Title 14F – Chicago Fire Code
- Title 14N – Chicago Energy Conservation Code
- Title 14R – Chicago Building Rehabilitation Code
- Title 14X – Chicago Minimum Requirements for Existing Buildings

New materials and building systems

Expanded requirements for sprinklers

Timeline for implementation

Building Height and Area: Modifications and Limitations

Occupancy classifications and uses

Separated and non-separated mixed occupancies

Accessory occupancies

Incidental uses

Area factor increases

Yards and courts for light and ventilation

Room dimensions for dwelling units

High-rise building modifications

Construction Types and Fire Resistance Ratings

Use of combustible materials

Exterior walls and fire separation distances

Wall terminologies

Projections for walls and concealed spaces

Calculated fire resistance

Opening protection

Means of Egress and Occupancy

Adopted terms: exit, exit access, exit discharge

Occupant loads

Concentrated business use areas

Number of exits

Stairways modifications

Corridor width and fire resistance

Assembly-type uses

Structural Design

Construction documents

General design requirements

Risk categories

Loads

Seismic design

Special inspections

Soils and foundations

Materials

Chicago Energy Conservation Code

Commercial compliance (ASHRAE 90.1-2016)

Building envelope

Building mechanical systems

Electrical power and lighting

Total building performance

Existing buildings, additions and alterations

Residential compliance

• Thermal envelope

• Roofs

• Mechanical ventilation

• Whole house systems

Preserving Existing Buildings

IEBC/Rehabilitation provisions

Prescriptive method

Work area compliance method

• Level 1 • Level 2

Performance method

• Level 3

Historic buildings

Repairs

Residential occupancies

Fire escapes

Minimum requirements for existing buildings

Chicago Building Code Update

Des Plaines, IL or Online - Thursday, June 16, 2022

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Learning Objectives

You'll be able to:

Comply with the new Chicago Building Code, which took effect in August 2020 and includes provisions for fire protection, energy conservation, building height/area, and minimum requirements for existing buildings.

Comply with provisions for the use of combustible materials and the construction of fire-resistant walls.

Follow code requirements for means of egress including number of exits, occupant loads, stairways and corridor width.

Implement code requirements for structural design, including foundations, loads, seismic design and materials.

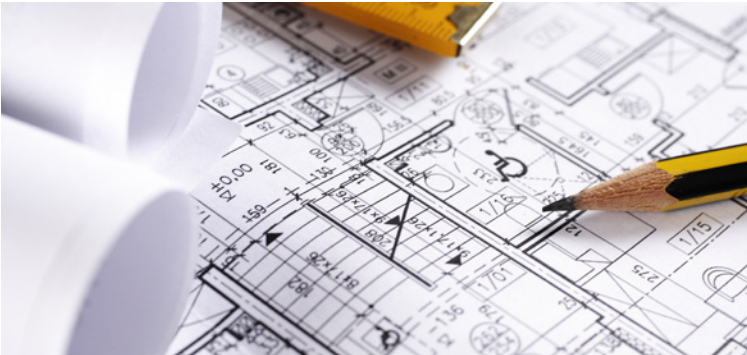
Comply with code requirements for energy-conserving mechanical systems, building envelopes, power systems and lighting.



Live, In-Person Seminar and Live Webinar

Chicago Building Code Update

Des Plaines, IL or Online - Thursday, June 16, 2022



Examine the Chicago Building Code which took full effect in August 2020

Learn about building height and area, egress and occupancy

Discuss construction types and fire resistance ratings

Comply with structural design requirements

Review the Chicago Energy Conservation Code

Explore the process of preserving existing buildings

Continuing Education Credits

Professional Engineers
7.0 PDHs

International Code Council
.7 CEUs (Building)

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Faculty

Vincent F. Fratinardo, P.E., S.E., RRC
Mr. Fratinardo is a civil/structural engineer and roof consultant. His over 20 years of experience includes civil and structural engineering analysis, design, construction administration, field investigation, and project management, and 13 years of experience specific to forensic engineering and the investigation and analysis of building damage and failures. Mr. Fratinardo has designed numerous new buildings, building additions, building renovations, and mechanical platforms and supports. He has designed and analyzed roof, wall and floor framing systems utilizing steel, concrete, masonry, and wood construction. Mr. Fratinardo has vast expertise in commercial, industrial, agricultural, municipal, educational and residential building damage investigations, including on-site investigations after 25 different tornado events, and Hurricanes Irene, Sandy, Matthew, Harvey, Irma, Maria and Florence. He has legal experience in depositions, arbitration hearings and trials. He has prepared and performed numerous continuing education presentations, including on an array of topics in forensic engineering, structural engineering and building codes for HalfMoon Education Inc., in multiple states since 2014. Mr. Fratinardo graduated from Michigan State University with a bachelor of science degree in Civil Engineering, and he also holds a master of engineering degree in Civil Engineering from Texas A&M University. He is a registered professional engineer in multiple states and a licensed structural engineer in Illinois.

Seminar Information

Courtyard Chicago O’Hare
2950 S. River Road
Des Plaines, IL 60018
(847) 824-7000

Registration
8:00 - 8:30 am CDT

Morning Session
8:30 - 11:40 am CDT

Lunch (on your own)
11:40 am - 12:40 pm CDT

Afternoon Session
12:40 - 4:50 pm CDT

Webinar Information:
Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar.

For system requirements, please visit the FAQ section of our website, or visit www.gotowebinar.com.

Tuition
\$319 for individual registration
\$289 for three or more registrants from the same company at the same time.
Included with your registration: *PDF Seminar Manual.*
A printed manual is available for an additional cost upon request. Please call to order.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

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Additional Learning

Illinois Structural Design Loads under the ASCE 7 Standard
- Fri, April 29, 2022 | 8:30 am - 5:00 pm CDT

IBC Significant Changes: Fire Protection and Means of Egress
- Fri, May 6, 2022 | 11:00 am - 3:30 pm CDT

Design Considerations and Mixed Occupancy Options for Speculative Buildings
- Tues, May 10, 2022 | 9:00 am - 3:40 pm CDT

Urban Stormwater System Design and Construction
- Thurs, May 12, 2022 | 8:30 am - 4:30 pm CDT

IBC Significant Changes: Accessibility, Systems, and Materials
- Fri, May 13, 2022 | 11:00 am - 3:30 pm CDT

Revit Basics of Building Modeling
- Fri, May 13, 2022 | 9:00 am - 1:00 pm CDT
- Fri, May 20, 2022 | 9:00 am - 1:00 pm CDT

International Existing Building Code 2021
- Tues, May 17, 2022 | 9:00 am - 4:30 pm CDT

Managing Construction Projects
- Thurs, May 19, 2022 | 8:30 am - 5:00 pm CDT

Designing a Smarter Home
- Mon,, May 23, 2022 | 8:00 am - 4:00 pm CDT

How to Design a Stormwater Management System for Residential Sites
- Tues, May 24, 2022 | 2:00 - 4:00 pm CDT

Passive House: Planning, Design and Construction
- Tues, May 24, 2022 | 8:30 am - 4:30 pm CDT

Flood-Resistant Design and Construction
- Wed, May 25, 2022 | 11:00 am - 2:00 pm CDT
- Thurs, May 26, 2022 | 11:00 am - 3:00 pm CDT

For more information and other online learning opportunities visit:
www.halfmoonseminars.org

Continuing Education Credit Information
This course is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to licensed architects in Illinois. Engineers and architects seeking continuing education credit in other states will be able to claim the hours earned at this webinar, in most cases. Refer to specific state rules to determine eligibility.

The American Institute of Architects Continuing Education System has approved this course for 7.0 LU | HSWs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

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 International Code Council has approved this event for .7 CEUs in the specialty area of Building (Preferred Provider No. 1232).

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

Can’t Attend? Order the Webinar as a Self-Study Package!
Recordings of this webinar are available for purchase. See registration panel 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.

Registration

Chicago Building Code Update
Des Plaines, IL or Online - Thursday, June 16, 2022

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Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	Name: _____ Occupation: _____ Email: _____ Phone: _____		
Complete the entire form. Attach duplicates if necessary.	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
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No walk-in registrations will be accepted.
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