Agenda

The New Chicago Building Code: 70 Years in the Making (fully effective in August 2020)
- Title 14A – Administrative Provisions
- Title 14B – Chicago Building Code
- Title 14F – Chicago Fire Code
- Title 14N – Chicago Energy Conservation 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
Separate and nonseparated mixed occupancies
Area factor increases
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
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
Stairway modifications
Corridor width and fire resistance
Assembly-type uses

Structural Design
General design requirements
Risk categories
Loads
Special inspections
Soils and foundations
Seismic design
Materials: masonry, steel, concrete, wood, cast iron, glass, aluminum

Chicago Energy Conservation Code
Commercial compliance (ASHRAE 90.1-2016)
Building envelopec
Building mechanical systems
Electrical power and lighting
Total building performance
Existing buildings, additions and alterations
Residential compliance
- Thermal envelope
  - Roof
- Mechanical ventilation
  - Whole house systems

Preserving Existing Buildings
IEBC/Rehabilitation provisions
Prescriptive method
Level 1
Level 2
Level 3
Work area compliance method
Performance method
Repair
Historic buildings
Fire escapes
Residential occupancies
Minimum requirements for existing buildings

Learning Objectives

You’ll be able to:
- Comply with the new Chicago Building Code, which takes 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.

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Chicago Building Code Update
Chicago, IL - Tuesday, November 19, 2019

Examine the new Chicago Building Code which takes full effect in August 2020
Learn about building height and area
Discuss construction types and fire resistance ratings

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Faculty

Christopher E. Chwedyk
AIA, CSI, Director The Code Group, Burnham Nationwide, Inc., Chicago

Mr. Chwedyk is a licensed architect and chief code consultant and director of the licensed architectural subsidiary of Burnham that he assisted in founding in 2001. He was previously the principal of the Chicago office of a firm that specialized in life safety and fire protection engineering, and he has been a member of such prestigious architectural firms as Skidmore, Owings and Merrill; Bertrand Goldberg Associates; and Jack Train Associates. With over 40 years of experience in the profession, Mr. Chwedyk has concentrated on the technical requirements of building design and has managed the production of code-compliant construction documents for a wide variety of project types. Over the past two decades he has performed numerous code compliance plan reviews for the City of Chicago and other municipalities. He is also a certified building plans examiner through the International Code Council (ICC) and currently serves on the International Fire Code Action Committee. Mr. Chwedyk’s professional affiliations include the American Institute of Architects (AIA), and he is the 2018 chair of the National AIA Codes and Standards Committee.

Laura Garcia
AIA, LEED AP, NCARB, Laura Garcia Design in Chicago

Ms. Garcia has a broad range of experience in many project types and scales, from commercial high rises to small residential interior remodels. She founded her architecture and consulting firm Laura Garcia Design (LGD) in 2010 and provides a full range of architectural services for the design, permitting, and construction of new buildings, additions and renovations. Laura Garcia Design focuses on residential and small commercial projects, primarily in the Chicagoland area and surrounding Midwestern states. Ms. Garcia is active in her professional community and has served on the AIA Chicago Board of Directors since 2015, first as a director and currently as secretary. She has been an active member of the AIA/DOE Working Group since 2015, which meets monthly with the Chicago Department of Buildings, and she co-chaired the DOE Small Residential Code Modernization Group earlier this year. She has been active in AIA Chicago’s Small Practitioners Group (SPG) since 2010, and has served as chair of the SPG since 2017. She also gives presentations to the public through the SPG. Working with an Architect’s program and regularly speaks at professional and industry events.

Jon Andrews
S.E., P.E., Tyl, Gustafson, Reckers, Wilson, Andrews (TGRWA) Structural Engineers, Chicago, IL

Since joining TGRWA in 1988, Mr. Andrews has been involved in a wide variety of structural analysis and design projects including new construction and renovation of existing and historic structures. His experience includes the structural analysis and design of structural steel, conventionally reinforced concrete, post-tensioned concrete, timber and masonry structures. Mr. Andrews has over 30 years of structural engineering experience and has worked on projects from California to Wisconsin to Florida. He has a P.E. in 20 different states and Washington DC as well as a P.E. in Illinois and California.

Seminar Information

Congress Plaza Hotel
520 South Michigan Avenue
Chicago, IL 60605
(312) 427-3800

Registration
8:00 - 8:30 am
Morning Session
8:30 - 11:45 am
Lunch (on your own)
11:45 am - 12:45 pm
Afternoon Session
12:45 - 5:00 pm

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How to Register

Chicago Building Code Update
Chicago, IL - Tuesday, November 19, 2019

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Additional Registrants:
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