

# Agenda

## 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  
Expended requirements for sprinklers  
Timeline for implementation

## Building Height and Area: Modifications and Limitations

Occupancy classifications and uses	Separated and nonseparated 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	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 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		
Level 1	Level 2	Level 3
Work area compliance method		
Performance method	Repairs	Historic buildings
Fire escapes	Residential occupancies	
Minimum requirements for existing buildings		

## Chicago Building Code Update

Chicago, IL - Tuesday, November 19, 2019

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# 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.

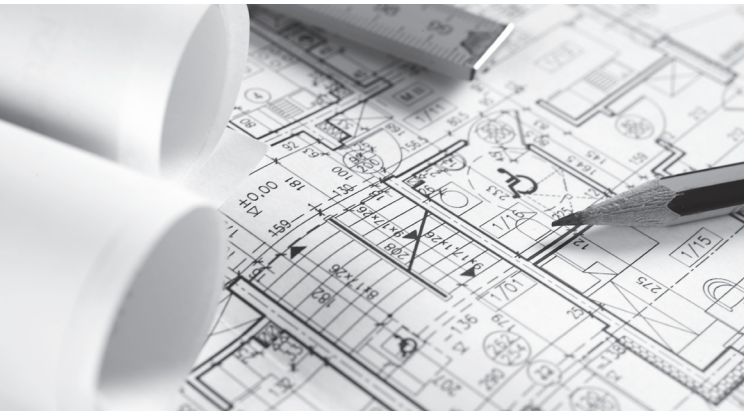
**Comply** with code requirements for energy-conserving mechanical systems, building envelopes, power systems and lighting.



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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

**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)

### Architects

7.0 HSW Contact Hours  
7.0 AIA LU|HSW

### Contractors

Non-Credit Continuing Ed.

**AIA**  
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**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

## Seminar Information

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

**Tuition**  
**\$289** for individual registration  
**\$269** for three or more registrations.

*Each registration includes a complimentary continental breakfast and printed seminar manual.*

### How to Register

- Visit us online at [www.halfmoonseminars.org](http://www.halfmoonseminars.org)
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

**Cancellations:** Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

### Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to Illinois professional engineers and 7.0 HSW contact hours to Illinois architects. Educators and courses are not subject to preapproval in Illinois.

The American Institute of Architects Continuing Education System has approved this event for 7.0 LU|HSW (Sponsor No. J885). Only full attendance can be reported to the AIA/CES. Visit [www.halfmoonseminars.org](http://www.halfmoonseminars.org) for complete AIA/CES information under this course listing.

Engineers and architects seeking continuing education credit in other states will be able to claim the hours earned at this seminar, in most cases. Refer to specific state rules to determine the eligibility of this subject matter.

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

This seminar also offers a non-credit continuing education opportunity to construction contractors. It has not been submitted to any state contractor licensing board for continuing education approval.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

currently as secretary. She has been an active member of the AIA-DOB Working Group since 2015, which meets monthly with the Chicago Department of Buildings, and she co-chaired the DOB 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 co-chair of the SPG since 2015. She also gives presentations to the public through the SPG ‘Working with an Architect’ program and regularly speaks at professional and industry events.



**Jon Andrews**  
*S.E., P.E., Tylk, 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 S.E. in Illinois and California.

## Additional Learning

### Webinar Series

#### Cogeneration System Principles and Practice

- **Understanding the Benefits of Cogeneration**  
Thurs., Nov. 21, 2019, 11:00 AM - 12:30 PM CST

- **Laws, Regulations and Building Codes Impacting Cogeneration**  
Thurs., Nov. 21, 2019, 1:00 - 2:30 PM CST

- **Examining Cogeneration Technologies**  
Fri., Nov. 22, 2019, 11:00 AM - 12:30 PM CST

- **Moving to Cogeneration: Analysis, Modeling and Case Studies**  
Fri., Nov. 22, 2019, 1:00 - 2:30 PM CST

For more information and other online learning opportunities visit:  
**[www.halfmoonseminars.org/webinars/](http://www.halfmoonseminars.org/webinars/)**

### Can’t Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at \$269. 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

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How to Register		Registrant Information	
<b>Online:</b> <a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a>		Name: _____	
		Company/Firm: _____	
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		City: _____ State: _____ Zip: _____	
		Occupation: _____	
		Email: _____	
		Phone: _____	
<b>Phone:</b> 715-835-5900		<b>Additional Registrants:</b>	
		Name: _____	
		Occupation: _____	
		Email: _____	
		Phone: _____	
		Name: _____	
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		Phone: _____	
<b>Fax:</b> 715-835-6066		<b>Code:</b>	
<b>Mail:</b> HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278			
<b>Complete the entire form.</b> 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	
( ) <b>I will be attending the live seminar.</b> Single Registrant - <b>\$289.00</b> . Three or more registrants from the same company registering at the same time - <b>\$269.00</b> each.	
( ) <b>I am not attending.</b> Please send me the self-study package:	
<input type="checkbox"/> Downloadable MP3 Audio/PDF Manual for <b>\$269.00</b> .	
<input type="checkbox"/> CD/Manual Package for <b>\$289.00</b> . <input type="checkbox"/> USB/Manual Package <b>\$289.00</b> .	
(S&H included. Please allow five weeks from seminar date for delivery)	
<b>Checks:</b> Make payable to HalfMoon Education Inc.	
<b>Credit Card:</b> <i>Mastercard, Visa, American Express, or Discover</i>	
Credit Card Number: _____	
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