

Agenda

Presented by Shaunna Mozingo

Development of the 2021 International Energy Conservation Code

ASHRAE/IESNA 90.1
Scope and intent of IECC
Identifying projects to which the code applies
Understanding how buildings use energy and the requirements that offer the highest impact

Code Compliance Pathways

Prescriptive

- R-Value method
- U-Factor method
- Component performance alternative (COMcheck)

Total building performance
Additional efficiency requirements

Building Thermal Envelope

Insulation requirements
Metal buildings
Greenhouses vs grow facilities
Fenestration requirements, including minimum and maximum areas for windows and skylights
Daylighting requirements
New air leakage and air barrier verification requirements

Building Systems

Heating, ventilating and air conditioning systems
Service water heating
Power and lighting

Existing Buildings

Additions, alterations and repairs
Historic buildings

Case Studies in Code Compliance



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Complying with Commercial Provisions of the 2021 International Energy Conservation Code

Live, Interactive Webinar - Tuesday, August 27, 2024



HalfMoon Education Inc.
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Altoona, WI 54720-0278

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Learning Objectives

You'll be able to:

Receive an overview of the changes to the 2021 IECC, including air infiltration, energy-recovery, and compliance paths.

Understand prescriptive, performance, and energy rating index compliance paths.

Examine requirements for fenestration and insulation.

Discuss regulations for heating, ventilating, and air conditioning systems.

Explain the application of 2021 IECC to additions, alterations, and repairs of existing buildings.



HalfMoon Education Inc., Your LIVE Education Leader Presents Complying with Commercial Provisions of the 2021 International Energy Conservation Code

Live, Interactive Webinar - Tuesday, August 27, 2024



Understand the development of the 2021 International Energy Conservation Code

Explain requirements for HVAC, power and lighting building systems

Examine code compliance pathways

Explore case studies in code compliance

Discuss building thermal envelope requirements

Continuing Education Credits

Professional Engineers
6.5 PDHs

Architects
6.5 HSW CE Hours
6.5 AIA LU|HSW

International Code Council
.65 CEUs (Energy)

AIA
Continuing
Education
Provider



Webinar Information

Online - Tuesday, August 27, 2024	
Log into Webinar	Break
8:30 - 9:00 am CDT	12:15 - 12:45 pm CDT
Morning Session	Afternoon Session
9:00 am - 12:15 pm CDT	12:45 - 4:30 pm CDT

Tuition
\$339 for individual registration.
\$309 for two or more registrants from the same company at the same time.

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- How to Register**
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Faculty

Shaunna Mozingo *President, The Mozingo Code Group, LLC*
Ms. Mozingo is a plans analyst and inspector with Mozingo Code Group, LLC. In addition, she takes great pride in assisting jurisdictions, in the U.S. and internationally, in adopting their newer building and energy codes and providing education on those adopted codes. Ms. Mozingo consults and teaches the full family of I-codes but is best known for her work in energy codes. She has conducted multiple residential and commercial building studies in various states, has been involved on many code development committees locally and nationally, and serves as a Code Circuit Rider in 3 states. She has served as a building inspector for the China and U.S. Solar Decathlon Competitions, co-authored the *2018 Energy Code Essentials* for ICC and has been awarded the Department of Energy's Jeffrey A Johnson Award, ICC/IMT's Standard Bearer's Ward and Southwest Energy Efficiency Project's Leadership in Energy Codes award, all for her work in the advancement of building energy codes and building performance. Ms. Mozingo is a past president of the Colorado Chapter of ICC, recipient of the Chapter's Beryl Wallace Award and President's Award, and is the past co-chair of the Colorado Chapter's Education Committee.

Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers and 6.5 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 License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00049300) 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 this course for 6.5 LU | HSWs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Energy (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
The preceding credit information only applies to the live presentation. This course in an on-demand format is not pre-approved by any licensing boards and may not qualify for the same credits; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:
6.5 HSW LUs (AIA)

Additional Learning

- Structural Forensic Engineering of Buildings**
- Wednesday, August 7, 2024 | 9:00 am - 4:50 pm CDT
- Deep Foundations**
- Thursday, August 8, 2024 | 9:00 am - 12:00 pm CDT
- Residential Elevators and Lifts**
- Monday, August 12, 2024 | 2:00 - 4:00 pm CDT
- 2024 International Building Code: Code Fundamentals**
- Tuesday, August 13, 2024 | 12:00 - 4:30 pm CDT
- Office Acoustics Design Workshop**
- Tuesday, August 13, 2024 | 1:00 - 3:00 pm CDT
- Engineering Ethics and Engineering Code of Conduct for Professional Engineers**
- Friday, August 16, 2024 | 10:00 am - 12:00 pm CDT
- Finance and Engineering Economics for Engineers**
- Monday, August 19, 2024 | 10:00 am - 2:30 pm CDT
- Tuesday, August 20, 2024 | 10:00 am - 2:30 pm CDT
- Basics of Structural Steel Design and Construction**
- Tuesday, August 20, 2024 | 8:30 am - 4:30 pm CDT
- Complying with NFPA 101 (2021): Life Safety Code**
- Wednesday, August 21, 2024 | 8:30 am - 5:00 pm CDT
- Designing and Constructing Net-Zero Energy Homes**
- Friday, August 23, 2024 | 8:30 am - 4:00 pm CDT
- Improving Interior Air Quality in Residential and Commercial Buildings**
- Friday, August 23, 2024 | 12:00 - 2:00 pm CDT
- Flood-Resistant Design and Construction**
- Monday, August 26, 2024 | 9:00 am - 4:30 pm CDT
- 2024 International Building Code: Administration and Enforcement**
- Tuesday, August 27, 2024 | 12:00 - 4:30 pm CDT
- Structural Engineering Calculations for Wood Construction**
- Tuesday, August 27, 2024 | 10:00 am - 1:15 pm CDT
- Current Issues in Urban Planning: Climate Planning and Equity Planning**
- Wednesday, August 28, 2024 | 9:00 am - 4:00 pm CDT
- Physics of Construction of a Building**
- Wednesday, August 28, 2024 | 8:30 am - 4:30 pm CDT
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