

Credit Information

Complying with NFPA 101 (2021): Life Safety Code

This webinar offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects licensed in all states.

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

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

Completion certificates will be awarded to participants who complete this event, respond to all prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Engineered Lumber Design and Construction

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The American Institute of Architects Continuing Education System has approved HalfMoon Education as a sponsor of continuing education (Sponsor No. J885). Course approval is applied for and pending. Only full participation is reportable to the AIA/CES.

The International Code Council has approved HalfMoon Education as a sponsor of continuing education (Preferred Provider No. 1232). Course approval is applied for and pending in the specialty area of Building.

Visit this course listing at www.halfmoonseminars.org for updates on pending credits.

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Live, Interactive Webinars

- Complying with NFPA 101 (2021): Life Safety Code
- Engineered Lumber Design and Construction

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Live, Interactive Webinars

Complying with NFPA 101 (2021): Life Safety Code

- Thursday, September 2, 2021 | 9:30 am - 5:30 pm CDT

Engineered Lumber Design and Construction

- Friday, September 10, 2021 | 8:30 am - 4:20 pm CDT

**To register, view detailed presenter biographies,
and see other learning opportunities, please visit:**

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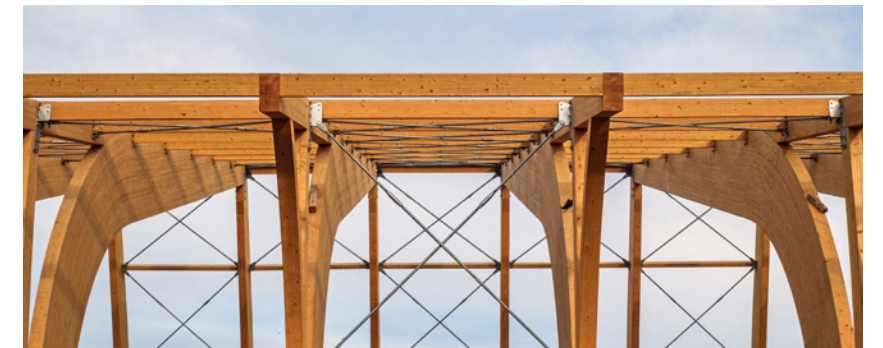
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AIA: 7.0 LU | HSW International Code Council: .7 CEUs (Fire)



Engineered Lumber Design and Construction

Friday, September 10, 2021 | 8:30 am - 4:20 pm CDT

Credits: Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours
AIA: Pending International Code Council: Pending (Building)

AIA
Continuing
Education
Provider



Complying with NFPA 101 (2021): Life Safety Code

Thursday, September 2, 2021 | 9:30 am - 5:30 pm CDT (incl. a 30-min break)

Tuition: \$289 per registrant, \$199 per registrant for three or more

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AIA: 7.0 LU | HSW International Code Council: .7 CEUs (Fire)

Agenda

NFPA 101 Overview

- Code layout
- Scope and purpose of code
- Application and equivalency
- Key definitions

Means of Egress

- Exit access and discharge
- Calculating and determining occupant loads
- Arrangement of exits

Occupancy Classifications

- General requirements and criteria
- Design specifications and scenarios
- Evaluation and documentation

Interior Finish, Special Structures and High-Rise Buildings

- Interior finish
 - Definitions and classifications
 - Trim and incidental finishes
 - Content and furnishings
- Special structures and high-rise buildings
 - General requirements
 - Special structures
 - High-rise buildings
- Permanent membrane structures

Fire Protection Features and Equipment

- Fire barriers and smoke barriers
- Special hazard protections
- Occupant notification
- Fire safety features

Occupancy Exercises

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Agenda

Section 1 - Engineered Wood Products:

Introduction & Specification (EWP 005/006)

- Develop an understanding of engineered lumber terminology
- Review proper installation methods when using engineered lumber products
- Gain a better understanding of how to properly inspect the framing for manufacture compliance
- Use manufacture literature to properly specify engineered lumber floor systems

Section 2 - Engineered Wood Products:

Specification & Inspection (EWP 06/007)

- Utilize both code details and manufacture details to provide clear direction for plan review and proper construction
- Identify what quantifies poor specification but more importantly identify what constitutes proper specification
- Learn the recommendations of a manufacturer for proper installation and inspection of engineered lumber floor systems
- Use manufacturer provided literature to find proper details to be used in the inspection of and installation of engineered lumber floor systems
- Identify bad installation through inspection and how to remedy issues
- Jobsite photos – good, bad and ugly

Section 3 - Engineered Wood Products:

Load Development (EWP 008)

- Learn how to size I-joists
- Learn how to size and select structural beams
- Acquire skills needed to apply various framing details and connections used in the engineered lumber products industry

Section 4 – Fire-Resistive and Fire-Rated Assemblies with Wood (EWP 004)

- Learn the difference between fire-resistive and fire-rated assemblies; addressing and detailing for fire as it relates to building systems
- Learn the facts about engineered wood products and their fire performance
- Exception methods to comply with Section R501.3 of the 2012 IRC. i.e.: enable a understanding to apply the appropriate methods and materials discussed
- Fire-rated assemblies with engineered wood products; design to meet this section of the building code

Section 5 – Introduction to Multi-Family Construction using EWP (EWP 009)

- Develop an understanding of the types of construction classifications and load types
- Understand the common building configuration types
- Learn some of the typical construction details regarding this type of construction
- Look into the tools available by most manufacturers when designing multi-family structures

Wrap up and review

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Faculty

Complying with NFPA 101 (2021): Life Safety Code

Bryan Hoskins, Ph.D., P.E.

Assistant Professor of Fire Protection & Safety at Oklahoma State University

Dr. Hoskins earned his B.S. and M.S. degrees in Fire Protection Engineering from the University of Maryland. He also received his Ph.D. degree in Mechanical Engineering from the University of Maryland in 2011 with an emphasis on building egress.

Dr. Hoskins spent one year working for Arup on projects primarily dealing with life safety design and people movement. He then spent two years working for the National Institute of Standards and Technology working on projects dealing with building evacuations and emergency messaging. He is a registered fire protection engineer in the state of Oklahoma.

Professor Hoskins is the chair of the Society of Fire Protection Engineers (SFPE) working group that developed a research roadmap for fire protection and a member of the Human Behavior in Fire Task group for SFPE. He serves on multiple code and standards committees. He has authored more than 20 articles related to building evacuations and human behavior in fire.

Engineered Lumber Design and Construction

Scott Lyons

Boise Cascade Engineered Wood Products

Mr. Lyons has 15 years' experience in the building materials industry, including roofing, insulation, granite, dimensional lumber and engineered wood products. He is currently the multi-family/light commercial manager responsible for educating and driving specification for Boise Cascade engineered wood products within that segment.

Additional Learning

Basics of Structural Steel Design

- Thurs, Aug 5, 2021 | 8:30 am - 3:45 pm CDT

International

Existing Building Code 2021

- Thurs, Aug 5, 2021 | 9:00 am - 4:30 pm CDT

Deep Energy Retrofits

- Fri, Aug 6, 2021 | 8:30 am - 3:30 pm CDT

Shallow Foundation Design, Construction, and Repair

- Tues, Aug 10, 2021 | 8:30 am - 5:00 pm CDT

Participating in the WELL Building Certification Process

- Wed, Aug 18, 2021 | 12:00 - 4:00 pm CDT
- Thurs, Aug 19, 2021 | 12:00 - 4:00 pm CDT

Designing for

Accessible Pedestrian Facilities

- Fri, Aug 20, 2021 | 9:00 am - 4:30 pm CDT

How To Handle Ethical Issues

Associated with Defects and Failures

- Tues, Aug 24, 2021 | 9:00 - 11:00 am CDT

Designing for Accessibility under ADA Standards and IBC

- Tues, Aug 24, 2021 | 8:30 am - 12:15 pm CDT
- Wed, Aug 25, 2021 | 8:30 am - 12:15 pm CDT

Construction Cost Estimating

- Thurs, Aug 26, 2021 | 8:30 am - 3:50 pm CDT

International Building Code 2021

- Thurs, Aug 26, 2021 | 10:00 am - 2:30 pm CDT
- Fri, Aug 27, 2021 | 10:00 am - 1:30 pm CDT

Residential and Small Commercial Solar Photovoltaic Energy Systems

- Fri, Aug 27, 2021 | 8:30 am - 4:30 pm CDT

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