

HalfMoon Education Live Continuing Education Webinars

Basics of Structural Steel Design

Online - Friday, September 30, 2022 | 8:30 am - 4:20 pm CDT

Credits:

Professional Engineers: 7.0 PDHs

Architects: 7.0 HSW CE Hours AIA: 7.0 LU|HSW

International Code Council: .7 CEUs (Building)

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PREFERRED
EDUCATION
PROVIDER

Webinar Agenda | Friday, September 30, 2022 | 8:30 am - 4:20 pm CDT (including a 30-min. break)

Preliminary Concepts of Structural Steel Design

Design theory and design objectives
ASD vs. LRFD
Loads and load combinations

Flexural Members

Forces on members Flexural member design

Compression Members

Forces on members Compression member design

Tension Members

Forces on members and connections
Tension member design Tensile effects and failures

Combined Forces and Combined Loads

Connection Design

Load transfer and connection design
Bolted connections
Bolt design, size, spacing, and failures
Welded connections
Weld design and weld failures

Structural Steel Applications and Case Studies

Commercial and industrial buildings
Residential buildings Parking structures
Bridges

Presented by

Robert P. Schaffer, P.E.

WZG Structural Engineers, Zieglerville, PA

Mr. Schaffer is the Associate Principal at WZG Structural Engineers and has 20 years of experience in structural analysis and design throughout the Mid-Atlantic region. He is a graduate of Penn State University Architectural Engineering program with an emphasis in Structural Engineering and has project experience in commercial, higher education, industrial, pharmaceutical, hospital/life care and multi-family residential markets. In 2012, he was selected by *Consulting Specifying Engineer Magazine* as a Top 40 Under 40 for his achievements in structural engineering.

Tuition

\$319 for individual registration

\$289 for two or more registrants from the same company at the same time.

Included with your registration: PDF seminar manual.

Additional Learning

Mass Timber Frame Design and Construction Under IBC 2021

- Thursday, August 25, 2022 | 8:30 am - 3:50 pm CDT

2021 International Residential Code:

Residential Plumbing Systems

- Wednesday, September 7, 2022 | 11:00 am - 3:30 pm CDT

Seismic Design and Construction

- Wednesday, September 7, 2022 | 8:30 am - 5:00 pm CDT

International Existing Building Code 2021

- Friday, September 9, 2022 | 8:30 am - 5:00 pm CDT

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

Credit Information

This webinar is open to the public and is designed to offer 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to licensed architects 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/HSWs (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 Building (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).

Can't Attend? Order the Webinar as an On-Demand 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.

Learn More and Register:

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