

Credit Information

Architectural Acoustics – Design and Construction

This webinar offers 6.5 PDHs to professional engineers and 6.5 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 6.5 LU | HSW (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 Building (Preferred Provider No. 1232).

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

International Residential Code 2021

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 Building (Preferred Provider No. 1232).

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

Can't Attend? Order the Webinar as a Self-Study Package!

Recordings of each webinar are available for purchase. See course listing online 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.

Live, Interactive Webinars

- Architectural Acoustics – Design and Construction
- International Residential Code 2021

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016

HalfMoon Education Inc.
PO Box 278
Altoona, WI 54720-0278



Live, Interactive Webinars

Architectural Acoustics – Design and Construction

- Tuesday, March 29, 2022 | 9:00 am - 5:00 pm CDT

International Residential Code 2021

- Wednesday, March 30, 2022 | 9:00 am - 5:00 pm CDT

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

www.halfmoonseminars.org

or call our Customer Service Department at (715) 835-5900



HalfMoon Education Live Webinars



Architectural Acoustics – Design and Construction

Tuesday, March 29, 2022 | 9:00 am - 5:00 pm CDT

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours
AIA: 6.5 LU | HSW International Code Council: .65 CEUs (Building)



International Residential Code 2021

Wednesday, March 30, 2022 | 9:00 am - 5:00 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)

To register, visit us online at

www.halfmoonseminars.org

or call our Customer Service Department at (715) 835-5900

AIA
Continuing
Education
Provider



Architectural Acoustics – Design and Construction

Tuesday, March 29, 2022 | 9:00 am - 5:00 pm CDT (incl. a 60-min break)

Tuition: \$319 per registrant, \$289 per registrant for two or more

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours
AIA: 6.5 LU|HSW International Code Council: .65 CEUs (Building)

Agenda

Fundamentals and Sound Outdoors

Fundamentals

- Level in Decibels, dB
- Frequency in Hertz, wavelength in feet
- Common descriptors – dBA, NC
- Response to sound – sound vs noise, speech, tones

Sound outdoors

- How sound propagates
- Barriers

Sound Indoors

Reflection and absorption

- Sound absorption and noise reduction coefficients (NRC)
- Reverberation

Speech intelligibility and sound quality

HVAC systems and background noise

Design and materials for sound control

Sound Transmission and Isolation

Practical techniques for controlling sound transfer

- Interior walls - sound transmission class (STC)
- Exterior walls - outdoor/indoor transmission class (OITC)
- Floors - impact insulation class (IIC)
- Ceilings for partial height walls - ceiling attenuation class (CAC)

Mechanical systems noise control

Design and materials for sound control

Providing Acoustical Comfort

Audibility, intelligibility, and privacy

Electronic sound systems

Several building types, and examples

Residential, schools, healthcare, public gathering, etc.

Codes and criteria overview

- LEED
- ANSI S12.60 for schools
- CHPS

22 USARACDC 3 29 WEBR CP

Can't Attend? Order the Webinar as a Self-Study Package!

Recordings of these webinars are available for purchase. Visit these course listings on our website 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.

To register and to see other learning opportunities, please visit:

www.halfmoonseminars.org

or call our Customer Service Department at (715) 835-5900

International Residential Code 2021

Wednesday, March 30, 2022 | 9:00 am - 5:00 pm CDT (incl. a 30-min break)

Tuition: \$319 per registrant, \$289 per registrant for two or more

Credits: Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours
AIA: 7.0 LU|HSW International Code Council: .7 CEUs (Building)

Agenda

Development and Enforcement of International Residential Code 2021

History of the International Residential Code 2021 (IRC)

Adoption and enforcement of 2021 IRC

Overview of 2021 code changes, including changes to:

Decks	DWV systems
Roofs	Dwelling separations
Egress	Footings

Building Planning and Shell Construction (Chapters 2-10)

Definitions Alternative provisions and design criteria

Wind effects and protection of openings

Seismic provisions Story height and live loads

Snow loads Fire-resistant construction and exterior walls

Dwelling unit separations and garage separation

Ceiling heights Glazing

Garages and carports Ingress, egress and stairways

Fire and carbon monoxide safety and detection

Foam plastic Wood and wood-based products

Accessibility Floods, storms and drainage

Soils and foundations Framing and fastening

Walls and wall covering Roof/ceiling construction

Roof assemblies Fireplaces and chimneys

Energy Efficiency (Chapter 11)

Compliance Building thermal envelope

Climate classifications Permanent energy certificate

Insulation and fenestration Building systems

Lighting

Mechanical, Fuel, Plumbing and Electrical Systems - Uniform Plumbing Code (UPC) and National Electrical Code (NEC)

Appliance installation and exhaust systems

Ventilation Hydronic systems

Fuel gas systems and appliances

Plumbing fixtures Drains

Backflow preventers, venting, sumps and ejectors

Fire sprinkler systems Electrical system grounding

Intersystem bonding termination

Overcurrent devices Electrical outlets

Luminaires Pools, spas and hot tubs

22 USIRCODE 3 30 WEBR WL

Faculty

Architectural Acoustics – Design and Construction

K. Anthony Hoover, FASA, INCE Bd. Cert.

Principal, MCH Acoustics and Media Systems Consultants

Mr. Hoover offers 38 years of acoustical consulting experience, serving as principal consultant on over 2,000 projects involving all building types and all areas of architectural acoustics. He has served as expert witness in both Federal District Court and US congressional hearings. Mr. Hoover concurrently held faculty positions at Berklee College of Music and the Boston Architectural Center. He has lectured at Harvard, MIT, Wentworth, Northeastern, Emerson, and SCI-Arc, and for AIA, ASHRAE, AES, USITT, and others. Mr. Hoover has served in many leadership positions, chaired numerous technical sessions on architectural and musical acoustics, written and/or contributed to several textbooks, and received numerous design awards for architectural acoustics. He was honored with the 2019 Laymon N. Miller Award for Excellence in Acoustical Consulting, conferred annually/jointly by the National Council of Acoustical Consultants and the Institute of Noise Control Engineering.

International Residential Code 2021

Jared Agee, MCP, CBO

Director of Building and Code Enforcement for St. Charles County, Missouri

Mr. Agee is the director of Building and Code Enforcement for St. Charles County, Missouri. Previously, he worked in urban and suburban municipal governments managing building code enforcement, facilities, and information technology. Prior to his public sector positions, Mr. Agee worked in the construction industry in design and project management. He has an undergraduate degree in Architectural and Mechanical Design and a graduate degree in Public Administration and Policy Analysis. As a Master Code Professional, Mr. Agee is one of approximately 800 people to obtain the highest level of certification from the International Code Council. He currently holds a total of 28 certifications in building, energy, plumbing, mechanical, electrical, and accessibility areas. Mr. Agee is a former president of the Missouri Association of Building Officials and Inspectors (MABOI). In addition, he founded Regimen Consulting LLC, which provides code training and technology consultation to various organizations across the country.

Additional Learning

Patent Law for Engineers

- Mon, Feb 28, 2022 | 8:30 am-4:00 pm CST

AIA Contract Document Workshop

- Tues, March 1, 2022 | 8:30 am-5:00 pm CST

Shallow Foundation Design

- Thurs, March 3, 2022 | 11:00 am-2:15 pm CST

- Fri, March 4, 2022 | 11:00 am-2:15 pm CST

Engineered Lumber

Design and Construction

- Tues, March 8, 2022 | 8:30 am-12:10 pm CST

- Wed, March 9, 2022 | 8:30 am-12:10 pm CST

Complying with Commercial Provisions of the 2021 International Energy Conservation Code

- Wed, March 9, 2022 | 8:00 am-4:00 pm CST

Designing and Constructing All-Electric Buildings

- Wed, March 9, 2022 | 11:00 am-2:15 pm CST

- Thurs, March 10, 2022 | 11:00 am-2:15 pm CST

Geothermal Heating and Cooling: Technology, Applications, and Economics

- Wed, March 9, 2022 | 8:30 am-4:00 pm CST

High-Performance Building Envelopes

- Wed, March 23, 2022 | 10:00 am-1:45 pm CDT

- Thurs, March 24, 2022 | 10:00 am-1:45 pm CDT

Designing for Accessibility under ADA Standards and IBC

- Tues, March 29, 2022 | 8:30 am-12:15 pm CDT

- Wed, March 30, 2022 | 8:30 am-12:15 pm CDT

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