

Credit Information

National Electrical Code 2017 of Ohio

This webinar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects in Ohio. Educators and courses are not subject to preapproval in Ohio.

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

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

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

The Ohio Construction Industry Licensing Board has approved this course for 7.0 Code hours for electrical contractors. Licensees must present their Ohio licenses and photo identification at the webinar in order to obtain a certificate of completion and have their hours reported by HalfMoon Education (Agency No. 741).+

The Ohio Board of Building Standards has approved this course for the following continuing education hours: BI(7.0), BO(7.0), BPE(7.0), EPE(7.0), ESI(7.0), FPI(7.0), FPPE(7.0), MPE(7.0), MI(7.0), Mech PE(7.0), RBI(7.0), RBO(7.0), RMI(7.0), RPE(7.0).

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).

+ Credit approved for live event only

Complying with the Ohio Residential Energy Code

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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

- National Electrical Code 2017 of Ohio
- Complying with the Ohio Residential Energy Code

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Live, Interactive Webinars

National Electrical Code 2017 of Ohio

- Thursday, April 28, 2022 | 8:00 am - 4:30 pm EDT

Complying with the Ohio Residential Energy Code

- Tuesday, May 3, 2022 | 8:30 am - 4:20 pm EDT

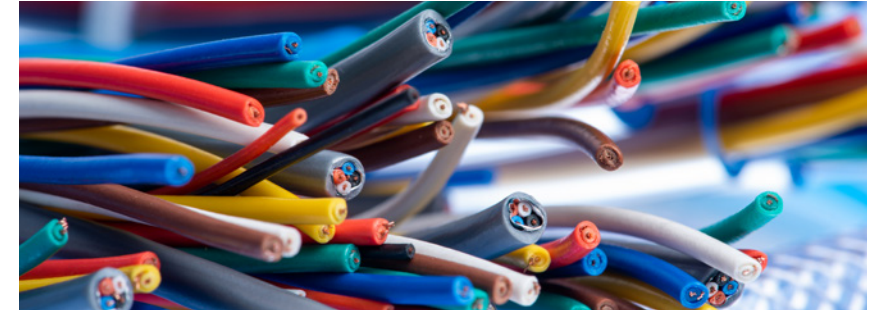
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HalfMoon Education Live Webinars



National Electrical Code 2017 of Ohio

Thursday, April 28, 2022 | 8:00 am - 4:30 pm EDT

Credits: Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours
AIA: 7.0 LU | HSW International Code Council: .7 CEUs (Electrical)
Ohio Electrical Contractors: 7.0 Code Hours
Ohio Electrical Safety Inspectors: 7.0 CEUs



Complying with the Ohio Residential Energy Code

Tuesday, May 3, 2022 | 8:30 am - 4:20 pm EDT

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

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HalfMoon Education Inc.
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National Electrical Code 2017 of Ohio

Thursday, April 28, 2022 | 8:00 am - 4:30 pm EDT (incl. a 60-min break)

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

Agenda

Overview of Major Changes in the 2017 Code and Preview of Expected Changes in Future Codes

- Article 425: Fixed Industrial Process Heating
- Article 691: Large-Scale PV Electric Power Production
- Article 706: Energy Storage SystemsArticle 710: Stand-Alone Systems
- Article 712: Direct-Current MicrogridsOhio amendments

Chapter 1: National Electrical Code

- Requirements for electrical installations, including
- Clearances and free space requirements about equipment
- New** reconditioned equipment, identification and traceability;
- New** limited access working space requirement
- New** short-circuit current documentation

Chapter 2: Wiring and Protection

- Grounded conductorsVoltage drop calculations
- Branch circuit, feeder and services calculations
- GFCI receptacle outlet requirementsService requirements
- Transformer protection**New** GFCI protection for non-dwelling units

Grounding and Bonding

- Grounding of service entrancesGrounding of separately-derived systems
- Grounding electrodes
- Sizing of grounding electrode and grounding conductor
- Bonding of services

Chapter 3: Wiring Methods and Materials

- Wiring methods - underground installation requirements
- Conductors for general wiring
- Conductor ampacity correction and adjustments
- Number of conductors in a racewayPull and junction box fill calculation
- New** single-phase dwelling services and feeders

Chapter 4: Equipment for General Use

- Flexible cords and cablesReceptacle requirements
- Switchboards and panel boardsShort circuit ratings
- Luminaires, appliances, transformers, and motors

Chapter 5: Special Occupancies

- Hazardous locationsCommercial garages
- Health care facility requirementsRecreational vehicle parks

Chapter 6: Special Equipment

- Signs, outline lighting, elevators
- Data center requirements
- Solar photovoltaic systems
- Hybrid vehicle's plug in requirements
- Pools and spas
- Small wind turbine systems

Chapter 7: Special Conditions

- Emergency systemsClass 1, 2, and 3 power-limited circuits
- Fire alarm circuits

Chapter 8: Communications Circuits

- Premises-powered broadband communication systems
- Network-powered broadband communication systems

Chapter 9: Tables

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Ohio Electrical Safety Inspectors: 7.0 CEUs

Presented by JD White

Consultant at Freelance Electrical System Design and Drafting
Mr. White's past ten years with Columbus State Community College in Columbus, Ohio, as its Skilled Trades Program coordinator, have provided him with insights beyond teaching, including migration to semesters, and providing oversight of 144 apprenticeship courses and 28 open enrollment courses covering construction, carpentry, electrical, plumbing, and welding. Mr. White helped craft 15 plans for study for various certificates, AAS majors, and ATS majors. He has been an active part of articulation agreements, with various vocational career programs and apprenticeship programs. He started a new open enrollment program in June of 2007, which had over 200 active students, and filled 28 course sections per term, prior to him handing it over to a new faculty member. Mr. White is presently working with 10 apprenticeship partnerships with annual enrollment of 1,500 students. He has oversight of five labs, equipment, materials, and lab personnel.

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Added Value:

Enhance your learning - a recording of this webinar will be available for attendees to stream online for two weeks after the program date.
(live webinar attendance required to receive credit)

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

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Additional Learning

Adopting and Complying with the Zero Code 2.0

- Tues, April 5, 2022|9:30 am - 5:30 pm EDT

Ohio Deep Foundations and Excavations

- Thurs, April 7, 2022|8:00 am - 5:00 pm EDT

International Building Code 2021

- Tues, April 12, 2022|9:00 am - 5:00 pm EDT

IBC Building Classification, Occupancy and Mixed Occupancies

- Wed, April 13, 2022|10:00 am - 5:30 pm EDT

Designing for Fire Protection

- Tues, April 19, 2022|10:00 am - 5:00 pm EDT

Structural Forensic Engineering

- Tues, April 19, 2022|10:00 am - 4:50 pm EDT

Managing Construction with AIA Document A201: General Conditions

- Thurs, April 21, 2022|10:00 am - 5:30 pm EDT

Designing and Constructing a Net-Zero Energy Home

- Tues, April 26, 2022|9:30 am - 2:00 pm EDT

- Wed, April 27, 2022|9:30 am - 2:30 pm EDT

Shoreline Protection - Lakes, Ponds and Other Inland Waters

- Tues, April 26, 2022|9:30 am - 5:30 pm EDT

Reading, Interpreting and Writing Land Descriptions Workshop

- Fri, April 29, 2022|10:00 am - 5:00 pm EDT

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

Complying with the Ohio Residential Energy Code

Tuesday, May 3, 2022 | 8:30 am - 4:20 pm EDT (incl. a 30-min break)

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AIA: 7.0 LU|HSWInternational Code Council: .7 CEUs (Energy)

Agenda

General Administration of the Code

- Code history and development
- Development of the International Energy Efficiency Code 2018
- Adoption in OhioScope and general requirements
- AmendmentsInspections
- Referenced standards

IECC Residential Chapters 2-3

- DefinitionsClimate zones
- Materials, systems and equipment

Code Compliance Alternatives

- ResCheckPerformance-based compliance
- Energy rating index compliance alternative

Chapter 4: Residential Energy Efficiency

- Building thermal envelopeInsulation requirements
- Fenestration requirementsR-values and U-factor alternatives
- Prescriptive insulation:
 - Ceilings, access doors
 - Slab-on-grade floors
 - Mass walls, basement walls, sunrooms
- Prescriptive fenestration:
 - Air leakage and testing
- Fireplaces and fuel-burning appliances
- Energy modeling

Chapter 4: Heating and Cooling Systems

- Control systemsDuctwork insulation and sealing
- Service hot water systemsMechanical ventilation systems
- Pools and spas

Chapter 4: Electrical Power and Lighting Systems

- Power systemsLighting systems

Chapter 5: Existing Buildings

- Building additionsMaking building alterations
- Building repairs and maintenanceChange of occupancy

Presented by Robert J. Schutz PE PS CBO

Consulting Engineer & Code Instructor
Robert J. Schutz is a recently retired building official with the City of Columbus, Ohio. He was previously a senior staff engineer with the International Code Council in product development after several years as their manager of instructors in the ICC Training & Education Department. He has also served as an assistant architect administrator at the Ohio Board of Building Standards. While with the State of Ohio, he oversaw the new Residential Code of Ohio program, including certification of local residential code departments and personnel. His varied previous experiences include active military service during the 1980s as an Army Corps of Engineers (ACE) officer; building code enforcement for several central Ohio jurisdictions, including ten years as chief building official (CBO) for the City of Powell where he also served as city engineer and director of public services; and chief engineer for the Ohio Department of Health, where he chaired the state's plumbing advisory board, was chief of plumbing and was a voting member on the Ohio Board of Building Standards.

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