

Credit Information

2018 North Carolina Residential Code

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 North Carolina.

HalfMoon Education is an approved continuing education sponsor for engineers in North Carolina (S-0130).

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 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).

North Carolina Stormwater Management 2022

This webinar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects and landscape architects in North Carolina.

HalfMoon Education is an approved continuing education sponsor for engineers in North Carolina (S-0130).

Engineers, architects and landscape 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. HalfMoon Education is not seeking landscape architect approval in New Jersey.

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 Landscape Architecture Continuing Education System has approved this course for 7.0 HSW PDHs. Only full participation is reportable to LA CES. LA CES HSW approval qualifies this course for CE credit for landscape architects in North Carolina.

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

This webinar has been approved by the Association of State Floodplain Managers for 7.0 CECs for floodplain managers.

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

- 2018 North Carolina Residential Code
- North Carolina Stormwater Management 2022

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Live, Interactive Webinars

2018 North Carolina Residential Code

- Thursday, March 10, 2022 | 8:30 am - 5:00 pm EST

North Carolina Stormwater Management 2022

- Wednesday, March 23, 2022 | 8:30 am - 5:00 pm EST

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

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HalfMoon Education Live Webinars



2018 North Carolina Residential Code

Thursday, March 10, 2022 | 8:30 am - 5:00 pm EST

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



North Carolina Stormwater Management 2022

Wednesday, March 23, 2022 | 8:30 am - 5:00 pm EST

Credits: Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours
AIA: 7.0 LU | HSW Landscape Architects: 7.0 HSW CE Hours
LA CES: 7.0 HSW PDHs Floodplain Managers: 7.0 ASFPM CECs
International Code Council: .7 CEUs (Sitework)

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2018 North Carolina Residential Code

Thursday, March 10, 2022 | 8:30 am - 5:00 pm EST (incl. a 60-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 2015

- History of the International Residential Code 2015
- Adoption and enforcement of Code in North Carolina
- Recent and anticipated code amendments
- Future of the code

Building Planning and Shell Construction (Chapters 2-3)

- Wind effects and protection of openings
- Seismic provisions
- Live loads
- Deflections
- Dwelling unit separations and garage separation
- Ceiling heights
- Garages and carports
- Fire and carbon monoxide safety and detection
- Foam plastic
- Story height
- Snow loads
- Fire-resistant construction and exterior walls
- Glazing
- Ingress, egress and stairways

Footings, Foundations, Framing (Chapters 4-9)

- Wood and wood-based products
- Soils and foundations
- Walls and wall covering
- Roof assemblies
- Framing and fastening
- Roof/ceiling construction
- Fireplaces and chimneys

Energy Efficiency (Chapter 11)

- Climate zones
- Prescriptive vs. performance
- U factors, SHGC, labels

Decks (Appendix M)

- Sizing footings
- Attachments
- Common Issues
- Flashing
- Bracing, alternative materials

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North Carolina Stormwater

Management 2022

Wednesday, March 23, 2022 | 8:30 am - 5:00 pm EST (incl. a 60-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 Landscape Architects: 7.0 HSW CE Hours
LA CES: 7.0 HSW PDHs Floodplain Managers: 7.0 ASFPM CECs
International Code Council: .7 CEUs (Sitework)

Agenda

Understanding Stormwater Permit Requirements and Procedures

- Background and development of national and state regulations and permit requirements
- Activities exempt from construction general stormwater permit requirements
- Complying with NPDES and North Carolina Division of Energy, Mineral and Land Resources regulations
 - North Carolina Session Law 2021-158
 - Notice of intent requirements
 - What the permit covers and does not cover
 - Application process
 - General requirements and standard conditions
 - Implementing, monitoring and assessing SWPPPs

Understanding and Applying the Science of Stormwater

- Hydrology, soil science and drainage
- Stormwater modeling
- Infiltration and percolation
- Identifying consequences of storm events
- Runoff reduction, routing and storage

Choosing Appropriate Storm Water Best Management Practices (BMPs)

- Stormwater management planning
- Sizing criteria
- Green infrastructure practices
 - Preservation of natural features and conservation design
 - Reducing impervious cover
- Green management techniques
 - Conservation of natural areas
 - Riparian buffers and filter strips
 - Disconnected runoff
 - Rain gardens
 - Stormwater planters
 - Pervious pavement
 - Detention/retention ponds
 - Vegetated swales
 - Stream daylighting
 - Green roofs
 - Rain barrels/cisterns

Developing Stormwater Pollution Prevention Plans (SWPPP)

- Including required elements
- Choosing best management practices (BMPs)
- Planning for required inspection, maintenance and recordkeeping
- Obtaining plan certification
- Assessing building sites
- Implementing SWPPPs

Developing Plans for Inspection, Monitoring, Maintenance and Recordkeeping

- Understanding the science and terminology of stormwater management and monitoring
- Implementing monitoring plans
- Reviewing stormwater BMP case studies

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Faculty

2018 North Carolina Residential Code

Matt Love *Chief Building Code Official, Cabarrus County Construction Standards*
Matt Love is the Chief Building Code Official for Cabarrus County Construction Standards in North Carolina. Mr. Love obtained his bachelor of science degree in Construction Technologies with a concentration in Community and Regional Planning from Appalachian State University. Mr. Love is also a licensed general contractor. Mr. Love currently holds a Level III Standard Certificate in Building, Plumbing, Mechanical and Electrical and Level I Standard Fire Certificate from the North Carolina Department of Insurance. Mr. Love teaches Building and Plumbing I, II and III standard courses to North Carolina building inspectors as well as continuing education courses for the North Carolina Building Inspectors' Association. He is currently on the executive board of the North Carolina Building Inspectors' Association as the president-elect, and he also serves on the Education Committee as the co-chair and Site-Development Committee.

North Carolina Stormwater Management 2022

Daryl Norris *Civil Engineer, City of Greenville, NC*
Mr. Norris is a civil engineer for the City of Greenville, North Carolina, specializing in stormwater engineering, and he is the owner of Norris Environmental Engineering, PLLC. He is a professional engineer, a certified floodplain manager, a certified professional in stormwater quality, and a certified professional in low impact development. Prior to working for the City of Greenville, Mr. Norris worked with the North Carolina Wildlife Resources Commission and the North Carolina Division of Water Quality. He was also the environmental specialist and floodplain administrator for the City of Wilson. He holds a bachelor's degree in Fish and Wildlife Management and a master's degree in Biological and Agricultural Engineering, both from North Carolina State University.

Additional Learning

Passive House: Planning, Design and Construction
- Mon, Feb 7, 2022 | 8:30 am - 4:30 pm CST

How to Identify Soil Types
- Tues, Feb 8, 2022 | 10:00 am - 12:00 pm CST

Estimating the Cost of Sitework
- Wed, Feb 9, 2022 | 7:30 am - 3:30 pm CST

Pumping and Piping Systems
- Thurs, Feb 10, 2022 | 11:00 am - 2:15 pm CST
- Fri, Feb 11, 2022 | 11:00 am - 2:15 pm CST

Construction Contract Workshop
- Thurs, Feb 10, 2022 | 9:00 am - 5:00 pm CST

Project Management for Engineers
- Fri, Feb 11, 2022 | 8:30 am - 5:00 pm CST

Foundation Damage and Repair: Science, Materials and Techniques
- Tues, Feb 15, 2022 | 9:30 am - 5:00 pm CST

Drones in Construction
- Wed, Feb 16, 2022 | 8:30 am - 4:30 pm CST

Deep Dive into Foam Insulation
- Wed, Feb 16, 2022 | 8:30 - 10:30 am CST

Deep Dive into AIA Standard Forms of Agreement Between Owner and Contractor
- Thurs, Feb 17, 2022 | 9:00 - 11:00 am CST

The Impact of Geosynthetics on Site Design
- Tues, Feb 22, 2022 | 10:00 am - 12:00 pm CST

Slope Stabilization and Landslide Prevention
- Wed, Feb 23, 2022 | 8:30 am - 5:00 pm CST

How to Use Berms and Swales for Stormwater Infiltration
- Thurs, Feb 24, 2022 | 9:00 - 11:00 am CST

Soils in Construction
- Thurs, Feb 24, 2022 | 12:00 - 4:00 pm CST
- Fri, Feb 25, 2022 | 12:00 - 4:00 pm CST

For more information and other online learning opportunities visit:
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