Credit and Webinar Information

Continuing Education Credit Information

See each course listing for the type and amount of each continuing education credit available. Individual courses for landscape architects, engineers and architects are not subject to pre-approval. HalfMoon Education does not apply for landscape courses in FL, NC, and NJ, unless expressly stated.

HalfMoon Education Certifying Entities

Landscape Architect Continuing Education System
American Institute of Architects Continuing Education System (No. J885)
American Institute of Certified Planners (APA)
Boards of Engineering: Florida (No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina (No. S-0130), and North Dakota.
Course-by-Course Organizations:
International Society of Arboriculture
Society of American Foresters
Association of State Floodplain Managers

HalfMoon Education is deemed a New York-approved continuing education provider for landscape architects, engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §79-1.5(i)(2), §68.14(i)(2) and §69.6(i)(2)).

Webinar Instructions

Each webinar session earns continuing education credit and can be registered for individually. All attendees must log-on through their own email – attendees may not watch together if they wish to earn continuing education credit. HalfMoon Education Inc. must be able to prove attendance if either the attendee or HalfMoon Education Inc. is audited.

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Web browser: The two most recent versions of Google Chrome or Mozilla Firefox

Internet connection: Minimum of 1Mbps, Mobile: 3G or better (WiFi Recommended)

Hardware: 2GB of RAM (minimum), 4GB or more of RAM (recommended)

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February How-To Webinar Series

Nine live and interactive webinars that each teach a new skill

1. How to Do an Energy Audit
2. How to Identify a Wetland
3. How to Think Like a Bee: Creating Pollinator Habitat and Helping Pollinators
4. How to Analyze and Improve Slope Stability
5. The National Electrical Code for Photovoltaic (PV) Power Systems
6. How to Implement Resiliency in Green Infrastructure Design
7. How to Obtain and Interpret a Flood Map
8. How to Navigate The NEC, Article 220, Load Calculations
9. WAV-T: How to Design a Proper Building Envelope

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LA CES AIA Continuing Education Provider

1. How to Do an Energy Audit

Wednesday, February 17, 2021 | 1:00 - 3:30 pm CST **Tuition**: $125

Credits: Professional Engineers: 2.5 PDHs Architects: 2.5 HSW CE Hours
AIA: 2.5 LU|HSW International Code Council: .25 CEUs (Electrical)

Agenda:
What is an energy (and water) audit?
- Goals of an energy audit
- Types of energy audits (ASHRAE levels)
- Energy audit vs. Commissioning vs retro-commissioning

Property research
Utility benchmarking
Site visit(s)
Research
Energy modeling
Financials
Delivery of findings
Implementation and M&V

Presented by
David Sachs, PE, CEM *Director of Existing Buildings with Bright Power in New York*

21 USH2EGYA 2 17 WEBR TC

2. How to Identify a Wetland

Wednesday, February 17, 2021 | 1:30 - 3:00 pm CST **Tuition**: $75

Credits: Professional Engineers: 1.5 PDHs Architects: 1.5 HSW CE Hours
AIA: Pending Landscape Architects: 1.5 HSW CE Hours LA CES: 1.5 HSW PDHs

Agenda:
Presence of wetland vegetation
Identification of wetland soils
Importance of underlying wetland hydrology

Presented by
Spencer D. Varnado *Ecologist and wetlands scientist at Geosyntec Consultant*
Alex Mathes *Wildlife and Wetlands Habitat Biology Lead at Geosyntec Consultants*

21 USH2IWTL 2 17 WEBR TB

3. How to Think Like a Bee: Creating Pollinator Habitat and Helping Pollinators

Thursday, February 18, 2021 | 12:00 - 1:30 pm CST **Tuition**: $75

Credits: Professional Engineers: 1.5 PDHs Architects: 1.5 HSW CE Hours
AIA: Pending Landscape Architects: 1.5 HSW CE Hours LA CES: 1.5 HSW PDHs
International Code Council: 1.5 CEUs (Sitework)

Agenda Highlights:
Difference between non-native honey bee and native species
Importance of native bees
Bee diversity
How bees and other pollinators live their lives
Bee life history and how it plays into creating habitat (sociality, specialist vs generalist species, body size, different species-different foraging times)
Plants for bees, flies and butterflies
Planning your habitat and habitat management
Planting and landscape management plan
Importance of underlying wetland hydrology

Presented by
Maria van Dyke, M.S. *Research & Outreach, Department of Entomology, Cornell University*

21 USH2TLBE 2 18 WEBR CP

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

4. How to Analyze and Improve Slope Stability

Friday, February 19, 2021 | 11:00 am - 3:15 pm CST (incl. a 15-min. break) **Tuition**: $200

Credits: Professional Engineers: 4.0 PDHs Architects: 4.0 HSW CE Hours
AIA: 4.0 LU|HSW Landscape Architects: 4.0 HSW CE Hours LA CES: 4.0 HSW PDHs
International Code Council: .4 CEUs (Sitework)

Agenda:
Unreinforced slope stability analysis
- Fundamental soil characteristics and slope instability
- Engineering mechanics underlying slope instability
- Geologic conditions and construction practices
- Distinguish types of instability
- Examining causes of slope instability
- Slope stability analysis
- Improve or restore stability
- Evaluating slopes
- Engineered slopes

Reinforced slope stability analysis
- Geosynthetic materials and their properties
- Learn to visually identify geosynthetics
- Geosynthetics and their roles in slope stability
- Deep seated stability analysis
- Exercise/example
- Calculations and software
- Case histories / examples

Presented by Bill Simpson *PE, Engineered Earth Solutions, LLC*

21 USH2AISS 2 19 WEBR PC

5. The National Electrical Code for Photovoltaic (PV) Power Systems

Friday, February 19, 2021 | 1:00 - 3:00 pm CST **Tuition**: $100

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW International Code Council: .2 CUEs (Electrical)

Agenda:
Changes to the new 2020 code for Photovoltaic (PV)
Design considerations for code compliance
What to expect from PV system inspections?
Lessons learned from failed inspections (real examples)

Presented by Jeff Gilbert *Owner, President of Azimuth Solar LLC*

21 USH2NECP 2 19 WEBR WL

6. How to Implement Resiliency in Green Infrastructure Design

Monday, February 22, 2021 | 11:00 am - 1:00 pm CST **Tuition**: $100

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW Landscape Architects: 2.0 HSW CE Hours LA CES: 2.0 HSW PDHs
Floodplain Managers: 2.0 ASFPM CECs International Code Council: .2 CEUs (Sitework)

Agenda:
Integrating rainwater harvesting systems for stormwater management
Pre-fabricated green infrastructure devices
Resilient storage in permeable pavers and bio-filtration
Real-time, smart stormwater management systems

Presented by
Dave Stark *Design and Sales Specialist for Rainwater Management Solutions*
Jake Brunoehler, PE *Regional Engineer for ADS*
Joseph A. Diekfuss, PhD, PE *Co-Founder and Vice President at P4 Infrastructure*

21 USH2IRGI 2 22 WEBR JB

7. How to Obtain and Interpret a Flood Map

Monday, February 22, 2021 | 1:30 - 3:00 pm CST **Tuition**: $75

Credits: Professional Engineers: 1.5 PDHs Architects: 1.5 HSW CE Hours
AIA: 1.5 LU|HSW Landscape Architects: 1.5 HSW CE Hours LA CES: 1.5 HSW PDHs
Floodplain Managers: 1.5 ASFPM CECs

Agenda Highlights:
Development of flood maps
- Understanding FEMA flood zone designations
- Examining Flood Insurance Rate Maps (FIRMs)
- Digital flood map implementation policy
- Flood map modernization and previous stumbles
- Multi-year flood hazard identification plan

Reading and interpreting flood maps
Examining the impact of flood designating and mapping
Reviewing FEMA flood hazard determinations

Presented by
Gene L. Rovak, PE, CFM, F.ASCE *Senior Project Manager at Horner & Shifrin*

21 USH2OIFM 2 22 WEBR TB

8. How to Navigate NEC Load Calculations (Article 220)

Wednesday, February 24, 2021 | 10:00 am - 12:00 pm CST **Tuition**: $100

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW International Code Council: .2 CEUs (Electrical)

Agenda Highlights:
New rules for dwelling calculations
New general lighting loads for all occupancies
Look at 220.55 range calculations in a new perspective
Noncoincident loads
Review optional calculations

Presented by Mark D. Cook *Electrical Education Specialist, Faith Technologies*

21 USH2NLDC 2 24 WEBR LH

9. WAV-T: How to Design a Proper Building Envelope

Wednesday, February 24, 2021 | 12:00 - 3:00 pm CST **Tuition**: $150

Credits: Professional Engineers: 3.0 PDHs Architects: 3.0 HSW CE Hours
AIA: 3.0 LU|HSW International Code Council: .3 CEUs (Electrical)

Agenda Highlights:
Importance of exterior envelope enclosure
Explore details to limit water, air, vapor, and thermal infiltration and exfiltration through your exterior envelope
Different types of air barriers and how to incorporate them into your building enclosure
Implement the Top 10 steps when it comes to addressing WAV-T on your project
Recognize areas of concern in your building enclosure as it relates to water (W), air (A), vapor (V), and thermal transmission (T)
Drawings and specifications you can use to assist you in dealing with WAV-T on your project

Presented by
J. Kenneth Payne Jr., AIA, LEED BD+C
Vice President of Quality Control, Risk Management and Training at Moseley Architects

21 USH2DBEV 2 24 WEBR LH

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