

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 engineers and architects are not subject to pre-approval. HalfMoon Education does not apply for landscape courses in NJ or land surveyor courses in NJ or DE, unless expressly stated.

HalfMoon Education Certifying Entities

American Institute of Architects Continuing Education System (No. J885)

International Code Council (No. 1232)

Landscape Architecture Continuing Education System

American Institute of Certified Planners (AICP)

Boards of Engineering: Florida (No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), and North Carolina (No. S-0130).

Course-by-Course Providers:

Association of State Floodplain Managers

International Society of Arboriculture

Society of American Foresters

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

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

On-Demand Credits: Credit information applies only to the live presentation.

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 on the same device 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.

Certificates of completion will be available for download and printing upon completion of a follow-up quiz with at least 80% accuracy (multiple attempts allowed).

Webinars are presented via **GoToWebinar**, an easy-to-use application that can be run on most systems and tablets. Instructions and login information will be provided in an email sent close to the date of the webinar. ***It is highly recommended that you download, install and test the application before the webinar begins by clicking on the link in the email.***

Can't Attend? Order Most of These Webinars as Self-Study Packages!

Recordings of most webinars are available for purchase. Visit us 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.

January Short Webinar Catalog

10 Live, Interactive Online Webinars

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January Short Webinar Catalog

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HalfMoon Education Live Webinars

January Short Webinar Catalog

10 webinars that each take a look at a single subject



1. Engineering Ethics and Consequences
2. How to Design Sustainable Exterior Lighting
3. Pollination Ecology and Principles of Pollinator Landscape Design
4. Carbon Credits and Carbon Markets Defined
5. Living with Wildlife:
The Importance of Wildlife Friendly Cities
6. Sediment Transport in Rivers and Oceans
7. More Sustainable Asphalt Pavements
8. Cold-Climate Heat Pumps: Dos and Don'ts
9. How to Design and Construct a Cantilever Retaining Wall
10. How to Analyze Common Construction Defects and Failures

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HalfMoon Education Inc.
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1. Engineering Ethics and Consequences

Wednesday, January 10, 2024 | 1:00 - 2:00 pm CST **Tuition:** \$75

Credits: Professional Engineers: 1.0 PDH (Ethics)
Practicing Institute of Engineering: 1.0 PDH**

Agenda Highlights:
Common way stations on the way down to ethical trouble
Is the Code of Professional Responsibility binding?
Not a good time for “forgiveness rather than permission”

Presented by Rebecca A. Bowman, P.E. D.F.E. *Law Office of Rebecca Bowman, Principal*

24 USENGETH 1 10 WEBR AM

2. How to Design Sustainable Exterior Lighting

Wednesday, January 10, 2024 | 1:00 - 3:00 pm CST **Tuition:** \$109

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*
International Code Council: .2 CEUs (Sustainability)**

Agenda Highlights:
Purposes of exterior lighting Dark sky compliance
Codes, standards and sustainability measures
Creating focus, perspective and depth
Exterior lights, fixtures and controls Case studies

Presented by Mary Beth Gotti *Independent Lighting Consultant*

24 USH2DSEL 1 10 WEBR SC

3. Pollination Ecology and Principles of Pollinator Landscape Design

Wednesday, January 10, 2024 | 9:00 - 11:00 am CST **Tuition:** \$109

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*

Agenda Highlights:
Plant reproduction and the different types of pollination strategies
Key animal pollinators that can be supported in managed landscapes, and their requirements
Pollination syndromes, plant preferences and evolutionary plant-pollinator associations
Ecological design principles that maximize pollinator support
Considerations when selecting pollinator-supportive plants
Designing habitats, not just floral buffets
Site selection, planting realities, and maintenance considerations

Presented by Kim Eierman *Founder of EcoBeneficial LLC*

24 USPEPLD 1 10 WEBR LH

4. Carbon Credits and Carbon Markets Defined

Friday, January 12, 2024 | 10:00 am - 12:00 pm CST **Tuition:** \$109

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 Non-HSW CE Hours
AIA: 2.0 LU| Elective* International Code Council: .2 CEUs (Administration)**
Certified Planners: CM|2.0** (This course is not approved for New York engineers or architects)

Agenda Highlights:
Mandatory cap and trade Voluntary programs
Carbon credit organizations and standards
Methodologies for particular types of carbon credit projects
Validation, verification, and monitoring
Types and value of different carbon credits and markets
Cap-and-trade systems and case studies

Presented by Scott Deatherage *S. Deatherage Law*

24 USDDCCMD 1 12 WEBR LL

5. Living with Wildlife: The Importance of Wildlife Friendly Cities

Monday, January 22, 2024 | 2:00 - 4:00 pm CST **Tuition:** \$109

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: Pending* Landscape Architects: 2.0 HSW CE Hours LA CES: Pending*
Certified Planners: CM|2.0**

Agenda Highlights:
Why are wildlife-friendly cities important?
Defining the wildlife-friendly city
Case Studies
• Singapore • San Francisco • London
Conclusions

Presented by Blake Jackson, AIA, LEED Fellow, WELL Faculty, Fitwel Amb., CPHC, Eco Districts AP
Director of Sustainability for NORR

24 USLWLDLF 1 22 WEBR CP

6. Sediment Transport in Rivers and Oceans

Monday, January 22, 2024 | 2:00 - 5:00 pm CST **Tuition:** \$159

Credits: Professional Engineers: 3.0 PDHs Geologists: 3.0 PDHs
(This webinar is not approved for New York engineers. This webinar may offer up to 3.0 PDHs to licensed geologists in some states. HalfMoon Education has not applied for state geologist continuing education approval in states requiring such.)

Agenda Highlights:
Introduction to rivers and deep-sea channels
What is morphodynamics? Grain size distribution of river sediment
Bankfull channel geometry Sediment transport in rivers
First numerical model of morphodynamics
Engineering problems involving sediment transport
Sediment phenomena in the deep sea to the deep sea
Interaction between rivers and life Rivers on other heavenly bodies; Titan and Mars
Selected interesting example problems

Presented by Gary Parker
Grainger Distinguished Chair Emeritus, W. H. Johnson Professor of Geology, University of Illinois

24 USSEDMNT 1 22 WEBR TD

7. More Sustainable Asphalt Pavements

Tuesday, January 23, 2024 | 10:00 am - 1:00 pm CST **Tuition:** \$159

Credits: Professional Engineers: 3.0 PDHs Architects: 3.0 HSW CE Hours
AIA: 3.0 LU|HSW* Landscape Architects: 3.0 HSW CE Hours LA CES: 3.0 HSW PDHs*
International Code Council: .3 CEUs (Sitework)**

Agenda Highlights:
Science and evolution of asphalt pavements
• Petroleum-based product • Aggregates, bitumen, and additives
• Hot mix, warm mix, and cold-mix • Compaction
Building a more sustainable asphalt with recycled materials
• Reclaimed asphalt pavement (RAP)
• Recycled asphalt shingles (RAS) • Rubberized asphalt
Other sustainability strategies
• Bio-bitumen • Porous asphalt
Improving sustainability with smart maintenance and repair
• Timely inspections • Innovative crack sealing
• New repair technologies • Rehabilitation

Presented by Sharareh Shirzad *Appalachian State University*

24 USSASPHP 1 23 WEBR PW

*Live course approval. Pre-approval for on-demand format may be available upon request.
**Live course approval. Not approved for on-demand format.

8. Cold-Climate Heat Pumps: Dos and Don’ts

Wednesday, January 24, 2024 | 10:00 am - 12:00 pm CST **Tuition:** \$109

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

Agenda Highlights:
Why heat pumps? Why now? How do cold-climate heat pumps work?
Understanding customer needs and expectations
Assessing existing buildings Sizing, zoning, and equipment selection
Control options Installation: best practices and common errors
Commissioning and performance testing
Customer education Troubleshooting common problems

Presented by Jon Harrod, Ph.D. *Founder of Snug Planet*

24 USCCHPDD 1 24 WEBR LH

9. How to Design and Construct a Cantilever Retaining Wall

Monday, January 29, 2024 | 1:00 - 3:00 pm CST **Tuition:** \$109

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*
International Code Council: .2 CEUs (Sitework)** Floodplain Managers: 2.0 ASFPM CECs

Agenda Highlights:
Cantilever walls, their applications and components
Design processes of a cantilever retaining system
Cast in place vs precast cantilever retaining walls
Hydraulic pressure, effects on wall behavior and pressure relief systems
External and internal stability of a cantilever system
Field applications and examples
Case studies

Presented by Rajendra Meruva PE *Delek Logistics*

24 USH2DCRW 1 29 WEBR PW

10. How to Analyze Common Construction Defects and Failures

Wednesday, January 31, 2024 | 2:00 - 4:00 pm CST **Tuition:** \$109

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

Agenda Highlights:
Building’s general structural engineering issues
Foundation systems issues
Structural framing members
Patent and latent construction defects
Exploring deficiencies and failures in structures

Presented by Casey K. Hemmatyar, SE
President, Pacific Structural & Forensic Engineers Global (PSFEG)

24 USH2ACDF 1 31 WEBR WL

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