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.

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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)).

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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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4. How to Design Detention Basins
5. How to Estimate Construction Costs for Commercial Buildings
6. How to Navigate the New Federal Navigable Waters Protection Rule
7. How to Test for Indoor Air Quality: Reflections from a Residential Department of Energy Research Study
8. How to Design for Wind Loads
9. How to Increase Energy Conservation and Provide Electric Car Charging Capabilities

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1. How to Inform Your Design Process Using Passive House

Tuesday, October 13, 2020 | 11:00 am - 1:00 pm CDT **Tuition**: $100

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

Agenda:
Passive house certification and design targets
Thermal massing
Thermal bridging
Materiality
Passive house design tools
Building typologies
Global passive house examples
Implementing passive house in your practice

Presented by Andrew Michler, CPHC *Hyperlocal Workshop*

20 USH2DPPH 10 13 WEBR TC

2. Commercial Energy Conservation Code Essentials for Architects

Friday, October 16, 2020 | 11:00 am - 2:15 pm CDT **Tuition**: $150

Credits: Architects: 3.0 HSW CE Hours AIA: Pending

Agenda:
ASHRAE 90.1
Recent energy code changes
Solar ready provisions
Chapter 4, general
Building envelope
Roofing and vestibules
Fenestration and daylighting
COMcheck: live demonstration of a sample project

Presented by Lawrence Lile *PE, LEED AP BD+C, QCXP*

20 USCECC4A 10 16 WEBR TC

3. Carbon Credits: Creation, Trading, and Role in Climate Action

Monday, October 19, 2020 | 1:30 - 3:30 pm CDT **Tuition**: $100

Credits: Accountants/CPAs: 2.0 CPE Credits Attorneys: 2.0 CLE Hours (AZ, CA, NH, NY, VT)
Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours AIA: Pending

Agenda:
Carbon credits explained
Generation, validation, and verification
Standards boards
Carbon trading: buying and selling
Use to meet corporation climate action goals

Presented by Scott Deatherage *S. Deatherage Law*

20 USH2CRBC 10 19 WEBR TC

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4. How to Design Detention Basins

Monday, October 19, 2020 | 11:00 am - 1:00 pm CDT **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
Stormwater Managers: .2.0 ASFPM CECs

Agenda:
Impacts of urbanization
Need for detention basins
How do detention basins work?
Typical detention requirements
Two commonly used detention basin models
Helpful resources for designing detention basins
TR-55 input: rainfall depth and distribution
TR-55 input: watershed area
TR-55 input: curve number
TR-55 input: time of concentration
TR-55 input: detention basin state-storage-discharge
Example model (using HEC-HMS)
Typical dry detention cost
Frequently observed design issues

Presented by Wade Burcham *Professional Engineer, Principal Water Resources Engineer with Geosyntec*
S. Matthew Jones *Professional Civil Engineer, Environmental Engineer with Mobile County*

20 USH2DDTB 10 19 WEBR TC

5. How to Estimate Construction Costs for Commercial Buildings

Friday, October 23, 2020 | 10:30 am -12:30 pm CDT **Tuition**: $100

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

Agenda Highlighs:

Types/Levels of Cost Estimates
Conceptual estimates
Design estimates
Bid estimates
Renovation estimates
Construction control estimates
Design/build vs. design/bid/build

Estimating Resources and Processes
Estimating team
Quantity takeoff
Data resources
Work breakdown structure
Bid factors

Estimating Direct and Indirect Costs
Labor and material
Equipment
Overhead
Profit
Contingency

Example (Using Software)

Presented by Mike Keating, PE, MBA *Over 29 years in the construction industry in various capacities*

20 USH2ECCC 10 23 WEBR TC

6. How to Navigate the New Federal Navigable Waters Protection Rule

Friday, October 23, 2020 | 12:00 - 2:00 pm CDT **Tuition**: $100

Credits: Professional Engineers: 2.0 PDHs Attorneys: 2.0 CLE Hours (AZ, CA, NH, NY, VT)
Floodplain Managers: 2.0 ASFPM CECs Geologists: 2.0 PDHs

Agenda:
History of the Clean Water Act
Previous interpretations of "Waters of the U.S." - the role of the U.S. Supreme Court
The Clean Water Rule
The Navigable Water Rule
State regulations on wetlands and streams
Where do we go from here?

Presented by Michael A. Liptak, Ph.D. *EnviroScience, Inc., Northeast Headquarters, Stow, Ohio*
Joseph P. Koncelik *Attorney, Tucker Ellis LLP in Cleveland, OH*

20 USH2NNWP 10 23 WEBR LH

7.How to Test for Indoor Air Quality: Reflections from a Residential Department of Energy Research Study

Monday, October 26, 2020 | 11:00 am - 12:00 pm CDT **Tuition**: $50

Credits: Professional Engineers: 1.0 PDH Architects: 1.0 HSW CE Hour AIA: Pending
International Code Council: .1 CEUs (Building)

Agenda:
Purpose of the study
Devices and methods used to determine pollutant levels
Determining mechanical ventilation levels
Questions and review

Presented by Ian Nimmo *475 High Performance Building Supply*

20 USH2TIAQ 10 26 WEBR PC

8. How to Design for Wind Loads

Wednesday, October 28, 2020 | 6:00 - 8:00 pm CDT **Tuition**: $100

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

Agenda:
Wind speed, importance factor, exposure, enclosure classifications
Risk categories for wind load design
Allowed procedures (methods 1, 2 and 3)
Basic definitions and requirements
Main wind force resisting system vs. components and cladding

Presented by Gergis William, Ph.D., P.E., F.SEI, F. ASCE *Senior Structural Engineer at AECOM and Adjunct Associate Professor at West Virginia University*

20 USH2D4WL 10 28 WEBR WL

9. How to Increase Energy Conservation and Provide Electric Car Charging Capabilities

Friday, October 30, 2020 | 11:00 am - 12:00 pm CDT **Tuition**: $50

Credits: Professional Engineers: 1.0 PDH Architects: 1.0 HSW CE Hour AIA: 1.0 LU|HSW
International Code Council: .1 CEUs (Energy)

Agenda:
Charging products available on the market
Reducing fuel costs and increasing property value
New technology for car charging electric capacity
Saving on electricity bills
Triple pane windows
Air barrier
Siding membranes
LED lighting and solar panels

Presented by Peter Vierthaler *Northwest Partners, LLC*

20 USH2IECC 10 30 WEBR PC

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