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 FL, NC, and NJ or land surveyor courses in NJ or TN, unless expressly stated.

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Course-by-Course Providers:
Association of State Floodplain Managers
International Society of Arboriculture
Society of American Foresters

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Web browser: The two most recent versions of Google Chrome or Mozilla Firefox
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1. Deep Dive into Concrete Admixtures
2. Deep Dive into Urban Agriculture
3. Deep Dive into the Electrification of Buildings
4. Deep Dive into Wood and Steel Frame Fundamentals for Residential and Small Commercial Buildings
5. Deep Dive into Residential and Small Commercial HVAC Principles
6. Deep Dive into Preparing Effective Stormwater Pollution Prevention Plans (SWPPPs) for NPDES MSGP Compliance
7. Deep Dive into Wetland Mitigation Banking
8. Deep Dive into Wetland Creation
9. Deep Dive into Building Classification and Occupancy

Each webinar earns continuing education credit. Look inside for details and visit us online at www.halfmoonseminars.org for more information.

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1. Deep Dive into Concrete Admixtures

Monday, August 9, 2021 | 8:30 am - 10:30 am 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 (Building)

Agenda:

What is an admixture?
Chemical and mineral admixtures
ASTM C494

- Type A: water-reducing admixtures
- Type B: retarding admixtures
- Type C: accelerating admixtures
- Type D: water-reducing and retarding admixtures
- Type E: Water-reducing and accelerating admixtures
- Type F: Water-reducing, high-range admixtures
- Type G: Water-reducing, high-range and retarding admixtures

New admixtures, not currently categorized

Presented by Alan Sparkman, CAE, LEED AP, CCPf
Executive Director Tennessee Concrete Association

21 USDDCRTA 8 9 WEBR LH

2. Deep Dive into Urban Agriculture

Tuesday, August 10, 2021 | 8:30 - 10:30 am 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
Certified Planners/AICP: CM | 2.0 International Code Council: .2 CEUs (Sustainability)

Agenda:

Defining urban agriculture
What are the benefits?
Embracing urban agriculture
Land use planning
Economic development
Infrastructure
Types of urban agriculture

- Community gardens
- Edible landscaping
- Livestock and beekeeping

Food distribution
Building resiliency into community-based food systems

Presented by Sven Pihl *Founder of CT Edible Ecosystems, LLC*

21 USDDIUAG 8 10 WEBR TC

3. Deep Dive into the Electrification of Buildings

Thursday, August 12, 2021 | 9:30 - 11:30 am 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:

What is building electrification, and why is it so critical now?
How does electrification pair with new low carbon electricity generation?
What are other states doing, how much and how quickly?
Calculating and measuring the carbon intensity of a building - existing and new
How to improve the carbon footprint of existing and new buildings
- with real world examples
How will the building code change, what will it look like?
The one building standard specifically created to deliver a sustainable carbon foot print
A deeper dive into the electrification of heating - strategies and techniques
Discussion

Presented by Michael B. Duclos *Principal and Founder of THE DEAP Energy Group, LLC*

21 USDDELCB 8 12 WEBR PC

4. Deep Dive into Wood and Steel Frame Fundamentals for Residential and Small Commercial Buildings

Thursday, August 12, 2021 | 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 (Building)

Agenda:

Wood frame

- Short history of the development of conventional wood framing American Wood Council's National Design Specification for Wood Construction
- Wood framing provisions of the International Building Code
- ASCE-7 load combinations
- Project conception and material choices
- Prescriptive design for wind and seismic loads

Steel frame

- AISC and AISI Code applicability
- Project conception and material choices
- Schematic design choices

Conceptual framing decisions

Presented by Patrick J. Conlon, P.E.
Founder and Managing Principal of Conlon Engineering, LLC

21 USDDWSFD 8 12 WEBR JB

5. Deep Dive into Residential and Small Commercial HVAC Principles

Tuesday, August 24, 2021 | 8:30 - 10:30 am CDT **Tuition**: $100

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW

Agenda:

Comfort – the reason why HVAC system exist
HVAC terms
Heat transfer – conduction, convection, and radiation
Sensible and latent processes
Heat loss
Zoning
Residential HVAC systems and equipment
Commercial HVAC systems and equipment
Annual system costs

Presented by Dean Wirtenan *University of Wisconsin-Stout*

21 USDDHVAC 8 24 WEBR BA

6. Deep Dive into Preparing Effective Stormwater Pollution Prevention Plans (SWPPPs) for NPDES MSGP Compliance

Wednesday, August 25, 2021 | 1:00 - 3:00 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
Floodplain Managers: 2.0 ASFPM CECs

Agenda:

Clean Water Act Basics, the why behind industrial stormwater regulations
Facility assessments and potential pollutant identification
Pollution prevention and BMP selection
Site plan development
Compliance inspection and monitoring preparation
Documentation and reporting

Presented by Philip Ruck, P.E.
President at Stillwater Environmental Engineering, Inc. (SEE), Orono, Maine

21 USDDESWP 8 25 WEBR LH

7. Deep Dive into Wetland Mitigation Banking

Thursday, August 26, 2021| 8:30 - 10:30 am 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
Floodplain Managers: 2.0 ASFPM CECs

Agenda:

Wetland mitigation banking under Clean Water Act Section 404
Benefits and drawbacks
Who may create a bank
Components of mitigation banks

- Bank site
- Bank instrument
- Interagency review team
- Service area

Determining the value of the bank
Case studies in mitigation banking

Presented by Ronda Oberlin *Lansing Michigan Office of Emergency Management*

21 USDDWTMB 8 26 WEBR BA

8. Deep Dive into Wetland Creation

Monday, August 30, 2021 | 3:00 - 5:00 pm CDT **Tuition**: $100

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: Pending Landscape Architects: 2.0 HSW CE Hours LA CES: Pending
Floodplain Managers: ASFPM Credit Pending

Agenda:

What makes a wetland?

- Wetland soils and plants
- Underlying hydrology

Can you create a wetland?

- What are the characteristics of the existing site?
- What characteristics of a wetland can you create?
- What wetland functions can you expect?
- Managing expectations, meeting challenges
- Managing created wetlands

Rehabilitating degraded wetlands

Presented by Avi M. Sareen, PWD, ISA-CA *President/Principal, TNT Environmental, Inc.*

21 USDDWTLDC 8 30 WEBR CP

9. Deep Dive into Building Classification and Occupancy

Tuesday, August 31, 2021 | 11:00 am - 2:00 pm CDT **Tuition**: $150

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

Agenda:

Classification of structures
Occupancy and special uses
Fire resistance-rated construction
Construction type classifications, including the new mass timber construction

Presented by Samir Mokashi *Principal/Owner at Code Unlimited*

21 USDDIBCO 8 31 WEBR TB

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