

# 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 FL, KS, NJ, TN and TX, unless expressly stated.

### HalfMoon Education Certifying Entities

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

International Code Council (No. 1232)

Landscape Architect Continuing Education System

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 Providers:

Association of State Floodplain Managers

American Planning Association/AICP

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)).

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).

## 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.

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

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.***

### GoToWebinar system requirements:

**Operating System:** Windows 7 - 10, Mac OSX 10.9 (Mavericks) - macOS Catalina (10.15), Linux, Google Chrome OS, Android OS 5 (Lollipop) - Android 9 (Pie), iOS 10 - iOS 12, Windows Phone 8+, Windows 8RT+

**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)

For more information visit the “Support” section at [www.gotowebinar.com](http://www.gotowebinar.com).

# October Webinars for Landscape Architects



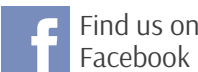
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## October Webinars for Landscape Architects

1. Soil Mechanics, Slope Stabilization, Failures & Repairs
2. How to Design Detention Basins
3. Stormwater Best Management Practices
4. The Arborist Short Course:  
Advanced Tree Knowledge for Better Tree Care
5. How to Navigate the  
New Federal Navigable Waters Protection Rule

To register, view webinar agendas, credit information and to learn about our distinguished faculty, please visit us online at: [www.halfmoonseminars.org/webinars/](http://www.halfmoonseminars.org/webinars/)



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## HalfMoon Education Online Learning

# October Webinars for Landscape Architects



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

***Each webinar earns continuing education credit.***

***Look inside for details and visit us online at***

***[www.halfmoonseminars.org](http://www.halfmoonseminars.org) for more information.***



HalfMoon Education Inc.  
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AIA  
Continuing  
Education  
Provider

1. Soil Mechanics, Slope Stabilization, Failures & Repairs

Wednesday, October 7, 2020 | 8:30 am - 12:00 pm CDT (incl. 15-min. break) Tuition: \$299  
Thursday, October 8, 2020 | 8:30 am - 12:00 pm CDT (incl. 15-min. break)  
Credits: Landscape Architects: 6.5 HSW CE Hours LA CES: 6.5 HSW PDHs  
Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours AIA: 6.5 LU|HSW  
International Code Council: .65 CEUs (Sitework)

- Agenda:
- Slope Mechanics and Classification
- Properties of soil
  - Soil investigation
- Slope Stability Analysis
- Fundamental soil characteristics and slope instability
  - Engineering mechanics underlying slope instability
  - Geologic conditions and construction practices
  - Field observations to distinguish types of instability
  - Construction practices to improve or restore stability
  - Examining causes of slope instability
  - Slope stability analysis
  - Use of vegetation
  - Surface protection
  - Evaluating types of slopes
  - Natural slopes
  - Engineered slopes

- Reinforced Slope Stability Analysis
- Calculations and software
  - Geosynthetic materials
  - Alternatives
  - Exercise
  - Learn to visually identify geosynthetics as to type, method of manufacture, relative strength, relative permeability and relative cost

- Earth Structure Failures and Fixes / Site Layout and Prevention
- How to prevent a potential problem or failure
  - How to recognize a potential problem or failure in the field
  - Typical causes of problems or failures with geotechnical structures
  - Case studies/examples of failures and repairs

Presented by  
Bill Simpson, P.E. Geotechnical Structure Design Specialist at Engineered Earth Solutions, LLC  
20 USSMSSF1 10 7 WEBR LH

2. How to Design Detention Basins

Monday, October 19, 2020 | 11:00 am - 1:00 pm CDT Tuition: \$100  
Credits: Landscape Architects: 2.0 HSW CE Hours LA CES: 2.0 HSW PDHs  
Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours AIA: 2.0 LU|HSW  
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

3. Stormwater Best Management Practices

Wednesday, October 21, 2020 | 8:30 am - 5:00 pm CDT (incl. 60-min. break) Tuition: \$299  
Credits: Landscape Architects: 7.0 HSW CE Hours Floodplain Managers: 7.0 ASFPM CECs  
Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours AIA: 7.0 LU|HSW

- Agenda:
- Selecting Stormwater Best Management Practices
- Site topography, hydrology and soils
  - System sizing and design
  - System performance
  - Selection criteria
- Reducing Site Disturbance and Increasing Natural Landscaping
- Benefits of natural landscaping
  - Choosing native species for plantings
  - Cost considerations and maintenance
- Permeable Pavers
- Site criteria and product selection
  - Preparation and installation
  - Cost considerations and maintenance
- Vegetated Roofs
- Benefits and life cycle cost
  - Extensive roofs
  - Intensive roofs
  - Maintenance
- Rain Barrels, Cisterns and Rain Gardens
- Stormwater collection
  - Water storage
  - Reuse
  - Garden sizing and design
  - Cost considerations
- Filter Strips and Drainage Swales
- Benefits and design considerations
  - Choosing appropriate vegetation
  - Cost considerations and maintenance
- Detention Basins and Ponds
- Benefits and site selection
  - Sizing and design
  - Choosing native vegetation
  - Maintenance considerations

Stormwater Best Management Case Studies  
Presented by Brad Flack, CPESC, CESSWI, QCIS President & CEO of Integrity Stormwater  
20 USSTWBMP 10 21 WEBR CP

To register, view detailed presenter biographies,  
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or call our Customer Service Department at (715) 835-5900

Can’t Attend? Order any of these Webinars as a Self-Study Package!  
Recordings of each webinar are available for purchase. Search each 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.

4. The Arborist Short Course: Advanced Tree Knowledge for Better Tree Care

Friday, October 23, 2020 | 8:00 am - 3:30 pm CDT (incl. 30-min. break) Tuition: \$299  
Credits: Landscape Architects: 6.5 HSW CE Hours LA CES: 6.5 HSW PDHs  
Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours AIA: 6.5 LU|HSW  
Certified Arborists: 6.5 ISA CEUs (details online) Foresters: 6.5 SAF Cat. 1 Hours

- Agenda:
- Soils
- Compaction – the destroyer of soils
  - Hydrology – keeping water where it needs to be
  - Nutrients – Increasing access to what plants need
  - Care – ways to avoid damaging soil
- Roots
- Structure – what are roots really like?
  - Pruning - learn when to cut and not to cut
  - Establishment – creating the optimum environment
  - Defective – identifying, correcting, or rejecting poor structure
- Biology
- Processes – discuss why trees do what they do
  - Health – increasing vigor, longevity, and stability
  - Responses – analyze how trees react
  - CODIT – the fundamental biological process
- Biomechanics
- Young tree training – the path to true sustainability
  - Branch structure – right vs wrong, strong vs weak structures
  - Risk – how to predict the future
  - Thigmomorphogenesis – altering the growth pattern
- Pruning
- Techniques – ways to perform “tree surgery”
  - Restoration – helping trees recover
  - Structural – creating safer, longer tree life
  - Standards – research that informs practice
- Deforestation By Design™
- Avoiding predictable failures
  - Poor materials – caveat emptor: let the buyer beware
  - Poor planning – what we want vs what trees need
  - Poor planting – how to eliminate discredited techniques and practices

Presented by John Palmer, BCMA PlanetCare Landscape and Arboricultural Services

5. 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

- Agenda Highlights:
- Understanding the reach of the Clean Water Act
  - Decades of debate regarding the scope of the Clean Water Act
  - Previous interpretations of “Waters of the U.S.”- the role of the U.S. Supreme Court
  - Waters of the U.S. (WOTUS) Rule
  - The Navigable Waters Protection Rule
  - Regulations on wetlands and streams
  - Practical lessons in the face of regulatory uncertainty
  - 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