

Credit Information

Practical Site Engineering

This webinar is open to the public and offers 6.5 PDHs to professional engineers in all states, 6.5 HSW continuing education hours to architects in all states, and 6.5 HSW continuing education hours to landscape architects in all states except New Jersey.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education spon-sor for New York 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)). LA CES approval qualifies this course for landscape architects licensed in Florida and North Carolina. HalfMoon Education is not seeking approval for landscape architects in New Jersey. Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.5 LU|HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 6.5 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

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

The Arborist Short Course:

Advanced Tree Knowledge for Better Tree Care

This webinar offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects in all states. It offers 6.5 HSW continuing education hours to landscape architects licensed in all states except New Jersey.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York 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)). LA CES approval qualifies this course for landscape architects licensed in Florida and North Carolina. HalfMoon Education is not seeking approval for landscape architects in New Jersey. Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.5 LU|HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 6.5 HSW PDHs. Only full participation is reportable to the LA CES.

The Society of American Foresters has approved this course for 6.5 Category 1 CFE credits.

The International Society of Arboriculture has approved this course for the following CEUs: 6.5 Certified Arborist, Climber Specialist, Utility Specialist, Municipal Specialist, Aerial Lift; 2.5 BCMA Practice; 2.0 BCMA Science, BCMA Management

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

Live, Interactive Webinars

- Practical Site Engineering
 - The Arborist Short Course:
- Advanced Tree Knowledge for Better Tree Care

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Live, Interactive Webinars

Practical Site Engineering

- Friday, April 1, 2022 | 8:30 am - 4:30 pm CDT

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

- Friday, April 8, 2022 | 9:00 am - 4:30 pm CDT

**To register, view detailed presenter biographies,
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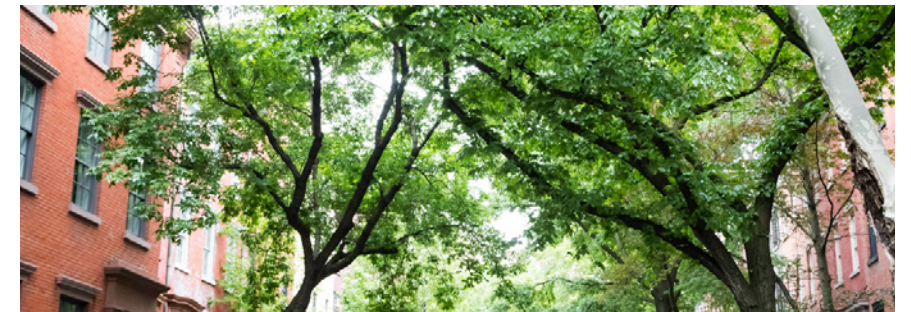
HalfMoon Education Live Webinars



Practical Site Engineering

Friday, April 1, 2022 | 8:30 am - 4:30 pm CDT

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours
AIA: 6.5 LU|HSW Landscape Architects: 6.5 HSW CE Hours
LA CES: 6.5 HSW PDHs International Code Council: .65 CEUs (Sitework)



The Arborist Short Course:

Advanced Tree Knowledge for Better Tree Care

Friday, April 8, 2022 | 9:00 am - 4:30 pm CDT

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours
AIA: 6.5 LU|HSW Landscape Architects: 6.5 HSW CE Hours
LA CES: 6.5 HSW PDHs Foresters: 6.5 SAF Category 1 Credits
ISA: 6.5 CEUs (Certified Arborist, Climber Specialist, Utility Specialist,
Municipal Specialist, Aerial Lift), 2.5 CEUs (BCMA Practice),
2.0 CEUs (BCMA Science, BCMA Management)



Practical Site Engineering

Friday, April 1, 2022 | 8:30 am - 4:30 pm CDT (incl. a 60-min break)

Tuition: \$319 per registrant, \$289 per registrant for two or more

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours
AIA: 6.5 LU|HSW Landscape Architects: 6.5 HSW CE Hours
LA CES: 6.5 HSW PDHs International Code Council: .65 CEUs (Sitework)

Agenda

Accommodating Multiple Purposes of Site Engineering

Engineering for built elements Slope stabilization
Stormwater management Landscape aesthetics
Sustainability goals: minimizing disturbance and preserving natural features

Considering the Impact of Soils and Topography

Understanding the role of soils
Soil characteristics, classification and engineering properties
Identifying the underlying geological conditions
Understanding the watershed Considering site topography

Site Engineering for Stormwater Management and Erosion Control

Reviewing state and local regulations Drainage systems
Sediment traps and basins Buffer zones
Slope stabilization
Establishing proper building material handling and storage
Establishing equipment/vehicle fueling and maintenance practices

Doing Earthwork and Maintaining Safety

Stripping and excavating soil Weight of soil and excavation hazards
Underground installations Water accumulation
Equipment safety

Site Grading

Grading for roads, sidewalks and paths Grading for stairs and ramps
Grading for retaining walls Grading slopes

Site Plans

Site plan contents Soil investigation and considerations
Surface water and groundwater considerations
Excavation specifications and hauling Construction grade staking
Paving and surfacing

Site Program Management

Initiation, planning, execution and closure
Program governance Quality control

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Can't Attend? Order the Webinar as a Self-Study Package!

Recordings of these webinars are available for purchase. Visit these course listings on our website 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.

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

Friday, April 8, 2022 | 9:00 am - 4:30 pm CDT (incl. a 30-min break)

Tuition: \$319 per registrant, \$289 per registrant for two or more

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours
AIA: 6.5 LU|HSW Landscape Architects: 6.5 HSW CE Hours
LA CES: 6.5 HSW PDHs Foresters: 6.5 SAF Category 1 Credits
ISA: 6.5 CEUs (Certified Arborist, Climber Specialist, Utility Specialist,
Municipal Specialist, Aerial Lift), 2.5 CEUs (BCMA Practice),
2.0 CEUs (BCMA Science, BCMA Management)

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 s tructure – 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

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Faculty

Practical Site Engineering

Daniel P. Messmer, P.E., D. GE

Project Manager with The Gateway Engineers, Inc., in Pittsburgh

Mr. Messmer has over 30 years of engineering experience in analysis, design, plan/ specification development, and project management/personnel supervision for geotechnical, foundation and structural engineering projects in the transportation, industrial, municipal and commercial fields of civil engineering. Throughout his career he has placed an emphasis on quality control and staff training. Mr. Messmer is a member of the American Society of Civil Engineers, the American Concrete Institute, the American Society of Highway Engineers and the Society of American Military Engineers. He earned his B.S. degree in Civil Engineering from the University of Pittsburgh. Mr. Messmer was accepted into the Academy of Geo-Professionals in 2013.

The Arborist Short Course:

Advanced Tree Knowledge for Better Tree Care

John Palmer, BCMA PlanetCare Landscape and Arboricultural Services

Mr. Palmer is a Consulting Arborist, Board Certified Master Arborist by the International Society of Arboriculture, and an advanced Tree Risk Assessor. He is an author, speaker, and trainer, on subjects including The Future of Urban Forestry, Deforestation By Design™, The New Construction Paradigm, and The Leadership Laws of Nature. His focus is on trees in urban and construction environments, soil deficiencies and the importance of soils for sustainable mature trees, increasing urban tree canopies by ensuring trees live to maturity, and unsustainable landscape designs. His areas of expertise include young tree training, proper pruning and planting practices, biomechanics, soil and water management, urban forestry, tree biology, and healthy root system development.

Additional Learning

Deep Dive: Native Groundcovers and Turf Alternatives for the Northeast

- Wed, Mar 2, 2022|9:30 am - 12:40 pm CST

Shallow Foundation Design

- Thurs, Mar 3, 2022|11:00 am - 2:15 pm CST
- Fri, Mar 4, 2022|11:00 am - 2:15 pm CST

Developing Infrastructure for Electric Vehicles

- Mon, March 7, 2022|9:30 am - 4:30 pm CST

Engineered Lumber Design and Construction

- Tues, Mar 8, 2022|8:30 am - 12:10 pm CST
- Wed, Mar 9, 2022|8:30 am - 12:10 pm CST

Geothermal Heating and Cooling: Technology, Applications, and Economics

- Wed, Mar 9, 2022|8:30 am - 4:00 pm CST

Drone Applications for Engineers

- Mon, Mar 21|9:00 am - 4:30 pm CDT

Keys for Success in Tree Preservation

- Tues, Mar 22, 2022|1:00 - 3:00 pm CDT

Focus on Water Infiltration in Soil

- Thurs, Mar 24, 2022|11:00 am - 1:00 pm CDT

A Roadmap to Ethical Issues in Construction: A Primer for Design Professionals

- Wed, March 23, 2022|11:00 am - 1:00 pm CDT

Stormwater Best Management Practices

- Fri, Mar 25, 2022|8:30 am - 5:00 pm CDT

You Too, Can “Pop Up;” A How-to Guide to Creating a Community Based Pop Up Playground

- Fri, Mar 25, 2022|12:00 - 3:15 pm CDT

Biorentention System Design

- Mon, Mar 28, 2022|1:00 - 3:00 pm CDT

HEC-RAS Unsteady/2D Modeling

- Mon, March 28, 2022|8:30 am - 5:00 pm CST

Designing for Accessibility under ADA Standards and IBC

- Tues, Mar 29, 2022|8:30 am - 12:15 pm CDT
- Wed, Mar 30, 2022|8:30 am - 12:15 pm CDT

For more information and other online learning opportunities visit:
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