

Credit Information

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 in all states. HalfMoon Education is not seeking landscape architect approval in Florida, New Jersey, or North Carolina.

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)).

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.

Courses approved by the AIA/CES qualify for Florida architects. Other states do not preapprove continuing education providers or courses.

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 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.

HalfMoon Education has applied to the Society of American Foresters for course approval, which is pending. View course approval status at www.halfmoonseminars.org.

Sustainable Site Design

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This course has been approved by the American Institute of Architects Continuing Education System for 6.5 LU | HSW (Sponsor No. J8850 and the Landscape Architect Continuing Education System for 6.5 HSW PDHs.

Courses approved by the AIA/CES qualify for Florida architects.

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

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).

Live, Interactive Sustainability Webinars

- The Arborist Short Course: Advanced Tree Knowledge for Better Tree Care
- Sustainable Site Design

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Sustainability Webinars

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

- Friday, May 14, 2021 | 9:00 am - 4:30 pm CDT

Sustainable Site Design

- Wednesday, May 19, 2021 | 8:30 am - 3:50 pm CDT

**To register, view detailed presenter biographies,
and see other learning opportunities, please visit:**

www.halfmoonseminars.org

or call our Customer Service Department at (715) 835-5900



HalfMoon Education Online Learning **Live, Interactive Webinars**



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AIA: 6.5 LU | HSW Landscape Architects: 6.5 HSW CE Hours
LA CES: 6.5 HSW PDHs Certified Arborists: 6.5 ISA CEUs
Foresters: SAF Pending

Sustainable Site Design

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

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**AIA
Continuing
Education
Provider**



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

Friday, May 14, 2021 | 9:00 am - 4:30 pm CDT (incl. a 30-min. break)

Tuition: \$289 per registrant, \$199 per registrant for three or more

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Presented by John Palmer, BCMA

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

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Presented by Dr. Jairo H. Garcia

Rules, Regulations, Certifications and Resources

- Sustainable Sites Initiative
- Principles of low impact development
- New urbanism
- Aesthetic, energy-efficiency and health benefits

Light Pollution Reduction

- Defining light pollution
- Safety, health and environmental impacts of outdoor lighting
- Outdoor lighting ordinances
- Light pollution reduction techniques

Ecology and Site Design

- Conservation biology
- Landscape ecology
- Restoration ecology

Sustainable Stormwater Management

- Stormwater requirements and permitting
- Stormwater harvesting and reuse
- Infiltrating stormwater
- Rain gardens

Pollinator-Friendly Design

- Native pollinators
- Pollinator decline
- Habitat restoration/enhancement

Bird-Friendly Building Design

- Glass construction: problems and solutions
- Lighting efficiency and design

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Faculty

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.

Sustainable Site Design

Dr. Jairo H. Garcia is an expert in urban sustainability, climate change, and sustainability education. Dr. Garcia develops innovative policies and educational programs to make communities and cities cleaner, sustainable, resilient, and equitable. He is the lead author of Atlanta’s Climate Action Plan and led a collaborative effort with more than 40 stakeholders to the 100 Resilience Cities application, awarded to the City of Atlanta in 2016. Dr. Garcia is a member of the Georgia Research Roadmap steering committee, an initiative of the Georgia Climate Project lead by University of Georgia, Georgia Tech, and Emory University, which has a goal of improving understanding of climate impacts and solutions in Georgia. Dr. Garcia received the Individual Climate Leadership Award by the EPA in 2017. This award recognized Dr. Garcia’s leadership in addressing climate change and engaging organizations, peers, and partners. He represented the Mayor of Atlanta at COP23 in Bonn, Germany, and presented at an event organized by the International Urban Cooperation Programme related to global cooperation to address climate change. Dr. Garcia’s publications on urban sustainability, climate change, and sustainability education are numerous. His academic experiences include a position as a research assistant and two teaching assistant positions at Columbia University, a faculty adjunct and thesis advisor position at Concordia University, and faculty adjunct positions for the UCLA-Extension Program, the Georgia Institute of Technology, and Johns Hopkins University. Dr. Garcia holds an engineering degree, an MSc degree in Management of Information Technologies from Syracuse University, an MSc degree in Sustainability Management from Columbia University, and a doctoral degree in Educational Technology and Sustainability from Pepperdine University.

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