

# Agenda

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

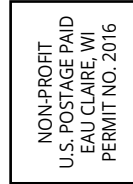


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## The Arborist Short Course: Advanced Tree Knowledge for Better Tree Care

Live, Interactive Webinar - Wednesday, September 11, 2024



HalfMoon Education Inc.  
PO Box 278  
Altoona, WI 54720-0278



## Learning Objectives

### You'll be able to:

**Identify** proper ways to increase tree access to nutrients and hydration.

**Explore** ways to identify, correct, or reject poor root structure.

**Study** processes of tree biology to increase vigor, longevity, and stability.

**Understand** the path to true sustainability through young tree training.

**Evaluate** pruning techniques and ways to create safer, longer tree life.

**Learn** how to avoid predictable failures by identifying poor materials, as well as poor planning and planting practices.



# HalfMoon Education Inc., Your LIVE Education Leader Presents The Arborist Short Course: Advanced Tree Knowledge for Better Tree Care

Live, Interactive Webinar - Wednesday, September 11, 2024



**Discuss** new and updated data and research

**Learn** about complexities of soils

**Understand** specifics of roots including structure, pruning, and establishment

**Analyze** tree biology including processes, health, and responses

**Examine** pruning techniques to improve and extend tree life

**Discuss** biomechanics of trees such as branch structure and thigmomorphogenesis

## Continuing Education Credits

### Professional Engineers:

6.5 PDHs

### Architects:

6.5 HSW CE Hours

6.5 AIA HSW LUs

### Landscape Architects:

6.5 HSW CE Hours

6.5 LA CES HSW PDHs

### Certified Arborists:

6.5 ISA CEUs



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# Webinar Information

Online - Wednesday, September 11, 2024

Log into Webinar

8:30 - 9:00 am CDT

Break

12:45 - 1:15 pm CDT

Morning Session

9:00 am - 12:45 pm CDT

Afternoon Session

1:15 - 4:30 pm CDT

**Tuition**  
**\$339** for individual registration.  
**\$309** for two or more registrants from the same company at the same time.

**Included with your registration:** PDF seminar manual.

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# Faculty

**John Palmer, BCMA**  
*Board Certified Master Arborist and Advanced Tree Risk Assessor from Cleveland, OH*  
Mr. Palmer is a Board Certified Master Arborist® and Tree Risk Assessment Qualified by the International Society of Arboriculture, and a Consulting Arborist. He was the owner of a premium services landscaping company for 20 years. 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. Mr. Palmer does tree assessments for individuals, commercial clients, law firms, insurance companies, municipalities, landscape architecture firms, parks and woodland management agencies. He has assessed and evaluated thousands of individual trees in the past decade.

**Here's what past attendees had to say about presenter John Palmer:**

"Very good. Very useful. I will change some of what I have been doing based on what I have learned from this webinar." –Civil Engineer

"John is one of two presenters in the last 30 years who has held my interest throughout an entire all day program." –Architect

# Additional Learning

- Stream Restoration**  
- Tuesday, August 20, 2024 | 8:30 am - 5:00 pm CDT
- Stormwater Pretreatment**  
- Monday, August 22, 2024 | 9:00 am - 12:15 pm CDT
- Soil Oxygen: The Limiting Factor in Urban Forests**  
- Monday, August 26, 2024 | 2:00 - 4:00 pm CDT
- Current Issues in Urban Planning: Climate Planning and Equity Planning**  
- Wednesday, August 28, 2024 | 9:00 am - 4:00 pm CDT
- Innovations in Edible Landscaping**  
- Thursday, August 29, 2024 | 1:00 - 4:00 pm CDT

# Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers, 6.5 HSW continuing education hours for licensed architects, and 6.5 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00049300) 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 (AIA/CES) and the Landscape Architecture Continuing Education System (LA/CES). 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 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.

\*Foresters may be able to earn up to 6.5 Category 1 CFE credits through the CFE post-approval process with the Society of American Foresters (SAF). Credit determination will be made by SAF.

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

**On-Demand Credits**  
The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:  
6.5 HSW LUs (AIA) 6.5 HSW PDHs (LA CES)

- Innovative MS4 Stormwater Management Practices and Procedures**  
- Thursday, August 29, 2024 | 9:00 am - 12:15 pm CDT
- Applied Ecology for Landscape Architects and Related Professionals**  
- Friday, September 6, 2024 | 12:00 - 3:15 pm CDT
- Dark-Sky Lighting and Ordinances**  
- Thursday, September 12, 2024 | 1:00 - 3:00 pm CDT
- Retaining Wall Tieback Design**  
- Wednesday, September 18, 2024 | 11:00 am - 1:50 pm CDT
- Mature Tree Management**  
- Thursday, September 19, 2024 | 1:00 - 3:00 pm CDT

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