## Learning Objectives

You’ll be able to:

- **Identify** the social, economic and health benefits of trees.
- **Explore** the effects of using native versus non-native trees in design.
- **Consider** tree placement and the lifespan of trees when designing sites.
- **Understand** root myths and learn how compaction can effect trees.
- **Evaluate** strategies for achieving balance between the tree environment and construction site goals.
- **Learn** about protecting trees from threats to their health.

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<tr>
<th>Physical benefits</th>
<th>Environmental benefits</th>
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<td>Social benefits</td>
<td>Health benefits</td>
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<td>Economic benefits</td>
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**If Trees Could Talk – The Secrets of Healthy, Mature Trees**
- Biology and anatomy
- Soil
- Roots
- Oxygen
- Stress
- Native vs. non-native

**Trees Are Infrastructure: Design Elements That Appreciate**
- Placement and value
- Benefits
- Deforestation By Design™
- Structural cells
- Planning vs. design
- After the job

**Trees And Site Requirements: Always At Odds?**
- Compaction and proctor density
- The brown infrastructure
- Screened soils: The silent killer
- Root myths

**Trees That Outlive Designs: After The Project Is Finished**
- Trees in teacups
- Soil volume
- Proper structure

**Threats To Trees**
- Biotic and abiotic
- An ounce of prevention
- Neglect
- Computer modeling risks

**Continuing Education Credits**
- Professional Engineers: 6.5 CPC Credits/PDHs
- Architects: 6.0 NJ CE Hours, 6.5 AIA HSW Learning Units
- Landscape Architects: 6.0 NJ CE Hours, 6.5 LA CES HSW PDHs
- Certified Arborists: Course Approval Applied/Pending
- New Jersey Tree Experts: 6.5 LTE and LTEO CEUs
John Palmer is a consulting arborist, certified 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. Mr. Palmer’s 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.

Here’s what past attendees have to say about the program and presenter John Palmer:

“Great speaker—dynamic & passionate about trees & tree science.” — Civil Engineer

“Excellent presentation & content. I especially appreciated all of the references in the material.” — Architect

The Future of Urban Forestry

Mr. Palmer’s 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

Webinar Series

Passive House: Planning and Design

• Energy Efficiency of Conventional Construction
  Thurs., May 9, 2019, 11:00 AM - 12:00 PM CDT

• Passive House Standard: Purpose, Principles and Development
  Thurs., May 9, 2019, 12:30 - 2:00 PM CDT

• Architectural Elements of Passive Houses
  Fri., May 10, 2019, 11:00 AM - 12:30 PM CDT

• Mechanical Systems in Passive Houses
  Fri., May 10, 2019, 1:00 - 2:30 PM CDT

Construction Cost Estimating

• Introduction to Cost Estimating
  Thurs., May 23, 2019, 11:00 AM - 12:30 PM CDT

• Cost Components – A Closer Look at the Estimates
  Thurs., May 23, 2019, 1:00 - 3:00 PM CDT

• Cost Estimate Organization and Examples
  Fri., May 24, 2019, 11:00 AM - 1:00 PM CDT

• Cost Estimating Topics
  Fri., May 24, 2019, 1:30 - 5:00 PM CDT

For more information and other online learning opportunities visit: www.halfmoonevents.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 CPC credits to New Jersey professional engineers. HalfMoon Education is an approved continuing education provider for New Jersey engineers (Approval No. 24G0000700). The New Jersey Board of Tree Experts has approved this course for 6.5 CEUs for LTEs and LTCOs. HalfMoon Education is deemed an approved continuing education sponsor for New York architects and landscape architects. HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Maryland, North Carolina, and North Dakota. The New Jersey Board of Tree Experts has approved this course for 6.5 CEUs for LTI's and LTO's. HalfMoon Education has applied for course approval from the New Jersey Arboretum USA and the national office of the International Society of Arboriculture for course approval. Neither of these organizations has responded to those applications. Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates are not available at the seminar will be mailed to participants within fifteen business days.

Tuition

( ) I am not attending. Please send me the self-study package:

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Can't Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at $269. Visit registration panel 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.

Registration

The Tree Course: Science, Design, and Sustainability
Secaucus, NJ - Friday, June 7, 2019

How to Register

Online: www.halfmoonevents.org
Phone: 715-835-5900
Fax: 715-835-6066
Email: info@halfmoonevents.org

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

Complete the entire form. Attach duplicates if necessary.

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