

Faculty

The Tree Preservation Course

Chris A. Cowles MD RPF, ISA CA, TRAQ *Wetland Studies and Solutions, Inc.*

As a senior urban forester, Mr. Cowles is responsible for the preparation of tree preservation, transplanting, and restoration plans for design, construction, and renovation projects. For more than three decades, Mr. Cowles has successfully competed hundreds of challenging projects for a variety of clients nationwide, including federal agencies, state and local governments, community organizations and private sector interests. His work includes residential, commercial, institutional, and military projects as well as parks and historic sites. His approach to tree preservation employs innovative technical solutions with people involvement that are unique to each project.

Mr. Cowles routinely presents on topics such as tree preservation and urban forestry. Some of these include Maryland National Capital Park & Planning Commission's (MNCPPC) Trees Matter Symposium, ASLA National Conference Field Workshops; numerous local agencies and design firm's lunch and learns, and the international conference on The Landscape Below Ground Third Edition. His projects have won many awards, including one from the Maryland Chapter of the American Society of Landscape Architects (ASLA), an ASLA Potomac Chapter Honor Award, the Fairfax County (Virginia) Annual Tree Preservation Award, and a National Arbor Day/National Homebuilders Award.

Pruniversity: Plant Health Through Pruning

Charles King Sadler *Founder and Owner at King Garden Inc.*

For over two decades, Mr. Sadler has led the field in the integration of horticulturally and artistically informed care of landscapes. He has worked on over 600 landscapes from city gardens to suburban properties to estates of great historical significance and large in scale. This specialized work has resulted in Mr. Sadler being sought after for the development of maintenance plans and training at prestigious public and private properties across North America. A gifted collaborator, he has been consulted by top landscape practices domestically and abroad.

Mr. Sadler began his career as a visual storyteller in the field of illustration, with a degree from the Rochester Institute of Technology, working on public and private commissions, including the Los Angeles Times and the New York Times. Seeking to express this artistry through natural forms, Mr. Sadler returned to school, SUNY-ESF on the campus of Syracuse University, to pursue master's studies in Landscape Architecture; he started his own design firm in order to apply his philosophy of the integration of design and horticultural care. A certified arborist and master pruner, Mr. Sadler has contributed articles to several publications on the restoration of landscapes and travels extensively lecturing and providing training in aesthetic and horticultural pruning and care.

Mr. Sadler is an American Society of Landscape Architects member, an International Society of Arboriculture Certified Arborist, and an Institute of Classical Art and Architecture contributing member.

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HalfMoon Education Live Webinars

The Tree Preservation Course

- Thursday, June 4, 2020, 8:30 am - 4:30 pm CDT

Pruniversity: Plant Health Through Pruning

- Friday, June 5, 2020, 9:00 am - 5:30 pm CDT

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The Tree Preservation Course

Thursday, June 4, 2020 (6.5 hours)

- Keys for Success in Tree Preservation
- Roots: Their Surprising Morphology and Patterns that Bust Myths and Common Thinking
- Allowing Trees to Become Elements of Design and Not Mere Afterthoughts
- Construction Strategy: Finding a Balance between the Tree Environment and Construction Goals
- Implementation of Tree Protection
- Post Construction: Who is There for the Trees Now?

Pruniversity: Plant Health Through Pruning

Friday, June 5, 2020 (7.0 hours)

- Pruning Guidelines for Developing and Maintaining Successful Landscapes
- Selection, Planting, First Pruning
- Developing Pruning Schedules for Ongoing Care
- Mature Pruning and Plant Succession Planning

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The Tree Preservation Course

Credits: **Certified Arborists:** 6.5 CEUs **Professional Engineers:** 6.5 PDHs
Foresters: 6.5 SAF Category 1 CFE Credits **Landscape Architects:** 6.5 HSW CE Hours
LA/CES: 6.5 HSW PDHs **Architects:** 6.5 HSW CE Hours **AIA:** 6.5 LU|HSW

Tuition: \$299 per registrant, or \$199 per registrant for three or more

Thursday, June 4, 2020, 8:30 am - 4:30 pm CDT (including a 60-min. break)

Keys for Success in Tree Preservation

- Workshop overview
- Historical perspective from 1970 to today
- What they don't teach in Forestry School
- Other things that don't work
- Taking a seat at the design table and other people skills
- Understanding roles of client, design professional, contractor and arborist
- Introduction to the (simple) four-step process
- Life and death

Roots: Their Surprising Morphology and Patterns that Bust Myths and Common Thinking

- Dr. Alex Shigo on roots
- Myth busting: the graphic that started it all (the world's best tree preservation educational tool)
- But how do we really know how applicable this is to my region/state?
- How to be an expert on tree preservation
- The First Annual National Capitol Root Appreciation Day
- Root investigation studies for high profile sites: case studies

Allowing Trees to Become Elements of Design and Not Mere Afterthoughts

- The critical root zone (CRZs)
- Purposes of CRZs in tree preservation
- Mistakes with CRZs
- Project profiles in designing with trees
- Overview of planning, design, and construction documents for tree preservation

Construction Strategy: Finding a Balance between the Tree Environment and Construction Goals

- Asking the key question
- Construction strategy project profiles

Implementation of Tree Protection

- Blending technical solutions and people
- The trouble with standard arborist crews and tree preservation projects
- Project case studies

Post Construction: Who is There for the Trees Now?

- Problems after the last sod is laid
- Keys for survivability
- Large tree transplanting overview
- Q&A and discussion

Pruniversity: Plant Health Through Pruning

Credits: **Certified Arborists:** 7.0 CEUs **Professional Engineers:** 7.0 PDHs
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LA/CES: 7.0 HSW PDHs **Architects:** 7.0 CE Hours **AIA:** 7.0 LU|Elective

Tuition: \$299 per registrant, or \$199 per registrant for three or more

Friday, June 5, 2020, 9:00 am - 5:30 pm CDT (including a 60-min. break)

Pruning Guidelines for Developing and Maintaining Successful Landscapes

- Why, when, and how?
- How proper pruning increases safety, life expectancy, value, and beauty of the plant
- Standards of tree and shrub structure to meet during plant selection
- Structural pruning and removing defects

Selection, Planting, First Pruning

- How proper plant selection can reduce pruning needs
- Basics of pruning
 - Techniques
 - Tools used for various pruning scenarios
- Importance of pruning at planting time
- Guidelines for proper planting, horticulture, and irrigation
 - Discuss best practices for new plantings
 - Illustrate improper pruning and other common horticulture mistakes

Developing Pruning Schedules for Ongoing Care

- Guiding planted landscapes into shape as the garden fills in
- Specialized pruning techniques:
 - Boxwood thinning
 - Cloud pruning
 - Espalier of trees and other plants
 - Coppicing, pollarding
 - Hedging and more

Mature Pruning and Plant Succession Planning

- Assisting healthy plants to continue successful development with proper pruning
- How to approach landscapes that are suffering from poor pruning practices, improper initial planting, poor horticulture practices, or lack of maintenance altogether
- Ways to plan for removal/replacement of aging plants
- How to select and maintain long-term relationship with tree care professionals for your landscape to thrive
- Assessing trees and shrubs that may need to be removed
- Discussing how extreme sensitivity in pruning and caring for mature plants is vital to ensure their longevity
- How to evaluate overgrown and under maintained properties
- Application of specialized pruning practices:
 - Renovation pruning
 - Rejuvenation pruning
 - Restoration pruning

Continuing Education Credit Information

The Tree Preservation Course

The International Society of Arborists has approved the following CEUs: 6.5 Certified Arborist, Climber Specialist, Utility Specialist, Municipal Specialist, Aerial Lift; 5.5 BCMA Management; 1.0 BCMA Practice. The Society of American Foresters has approved this course for 6.5 Category 1 CFE credits. The Landscape Architecture Continuing Education System has approved this event for 6.5 HSW PDHs, and the American Institute of Architects Continuing Education System has approved it for 6.5 LU|HSW.

This webinar offers 6.5 PDHs/CE hours to professional engineers and 6.5 HSW CE hours to architects in all states. HalfMoon Education is an approved continuing education sponsor for engineers in Florida (No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York engineers, landscape architects and architects.

This course offers landscape architects 6.5 HSW CE hours in most states. Course approval for landscape architects is not being sought in Florida, New Jersey, North Carolina or other states that preapprove CE courses. Refer to specific state rules.

Pruniversity: Plant Health Through Pruning

The International Society of Arborists has approved the following CEUs: 7.0 Certified Arborist, Climber Specialist, Utility Specialist, Municipal Specialist, Aerial Lift, BCMA Practice. The Society of American Foresters has approved this course for 7.0 Category 1 CFE credits. The Landscape Architecture Continuing Education System has approved this event for 7.0 HSW PDHs, and the American Institute of Architects Continuing Education System has approved it for 7.0 LU|Elective.

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Webinar Instructions

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