This educational program is for those aspiring to be professional landscapers. The Arizona Landscape Contractors’ Association schedules a series of four-hour workshops and online exams covering 10 topics.

* Dates are subject to change. *

### ONLINE INTERACTIVE WORKSHOPS

**WHEN:** 7:30 am—11:30 am

**COST PER WORKSHOP:**
- **Early registration:**
  - $60/ALCA members
  - $120/non-members
- **Register within 72 hours:**
  - $80/ALCA members
  - $160/non-members

**Register within 72 hours:** Workshops are non-refundable

**REGISTER:** [www.ALCA.org/calendar](http://www.ALCA.org/calendar)

**CERTIFICATION:** Anyone may attend the workshops to increase their knowledge and skills. To become certified, students must attend all 10 workshops and pass the online exams. *Students will have two additional opportunities to pass the exam at $25 per retake.* Students will be declared an AZ Certified Landscape Professional when he/she attends all 10 workshops and receives a minimum score of 70% on all 10 exams.

**QUESTIONS:** Call the ALCA office at (602) 626-7091 or email Heather@ALCA.org

<table>
<thead>
<tr>
<th>2020 Online Workshops</th>
<th>Thursday</th>
<th>Saturday</th>
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<tbody>
<tr>
<td>Soils &amp; Fertilizer</td>
<td>Aug 20</td>
<td>Aug 15</td>
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<td>Tree &amp; Shrub Pruning</td>
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<td>Turf Care &amp; Installation</td>
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<td>Aug 29</td>
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<tr>
<td>ISA = 3.5 CEUs</td>
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<tr>
<td>Irrigation Tech I</td>
<td>Sept 17</td>
<td>Sept 12</td>
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<td>Pesticides &amp; Calibration</td>
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<td>Sept 24</td>
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<tr>
<td>Tree &amp; Shrub Pruning</td>
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<td>Sept 26</td>
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<tr>
<td>ISA = 3.5 CEUs / IA = 4 CEUs / PMD = 4 CEUs</td>
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<tr>
<td>Plant Problem Diagnosis</td>
<td>Oct 15</td>
<td>Oct 10</td>
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<tr>
<td>Pesticides &amp; Calibration</td>
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<tr>
<td>Planting &amp; Tree Staking</td>
<td>Oct 29</td>
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<td>ISA = 3.5 CEUs / PMD = 4 CEUs</td>
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<tr>
<td>Plant Identification</td>
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ISA = 🍃  IA = 🛈  PMD = 🐜

**CEUs AVAILABLE:**

[ISA logo]  [Irrigation Tech Certification logo]  [CEU logo]

5425 E Bell Rd, Ste 105 • Scottsdale, AZ  85254
[www.ALCA.org](http://www.ALCA.org)  (602) 626-7091
Why Become Certified? The certification process increases knowledge and skills, earns greater respect and enhances the public image of the industry. Let the ACLP program provide the nourishment you need to thrive in this growing profession.

Annuals and Perennials
- Discuss selection and transportation of annuals
- Explain bed preparation for annuals or herbaceous perennials: soil preparation, calculating amendments or mulch needed
- Identify the blooming season for common annuals and herbaceous perennials
- Discuss proper planting techniques
- Discuss flower bed maintenance including irrigation, fertilization, pruning, deadheading and mulching
- Troubleshoot common color bed diseases, insects, weeds and abiotic problems

Irrigation Tech I
- Common irrigation components
- Basic hydraulics
- Calculate precipitation rates
- Irrigation controller programming
- Valve troubleshooting
- Drip irrigation and smart controllers
- Pipe repairs & adjusting sprinklers

Pesticides and Calibration
- Gather health, safety & pesticide use information from product labels
- How to mix, load and apply pesticides so that the product is applied correctly and evenly
- Reduce the risk of contamination to us, other people, animals and the environment by applying pesticides responsibly
- Prevent, recognize & respond to pesticide-related emergencies
- Properly calibrate pesticide application equipment

Plant Identification
- Plant anatomy terminology, scientific names of plants and how to pronounce them
- Explain importance of common & scientific names
- Recognize plants that perform well in Arizona landscapes
- Demonstrate proficiency in identifying plants by their leaves, flowers and fruit
- Distinguish the different types of palms and pines in our region
- Compare and contrast different species within a genus

Plant Problem Diagnosis
- Differentiate between plant stress disorders and biological diseases
- Discuss the importance of proper plant care in an urban environment
- Identify common weeds and recommend appropriate control methods
- Recognize common insects and determine what controls are needed
- Determine if a pathogen is present and if it is treatable
- Identify plant nutrient deficiencies and how to treat accordingly

Planting and Tree Staking
- Tree and shrub selection: right plant - right place
- How to inspect nursery stock for root and structure
- Steps to planting a tree: AZ811, soil percolation testing, planting hole, amendments, tree well, irrigation, and surface mulch
- Participate in hands-on tree planting demonstration
- Demonstrate how to stake a tree: anchor protection, support, tie materials, and alternative staking methods

Safety and Tools
- Selection, use, and maintenance of non-power tools
- Hedge trimmer safety
- Trimmer and brush cutter safety
- Chain saw safety
- DPS Officer will share information about truck and trailer safety and the rules and regulations that apply to these vehicles
- Pre-trip inspections for trucks and trailers
- Weight limits and types of registration
- Loading and covering vehicles correctly

Soils and Fertilizer
- Apply proper techniques in collecting a soil sample for analysis
- Determine soil texture and understand how soil texture relates to irrigation management
- Take steps to prevent soil compaction and salt accumulation
- Recognize and correct plant nutrient deficiencies
- Select and apply soil amendments and fertilizers at the appropriate rates
- Describe the role of roots in plant health and the importance of soil management to optimize root health

Tree & Shrub Pruning
- Provide basic plant biology as it pertains to pruning, decay, disease and wound closure
- Demonstrate the safe use of basic pruning equipment
- Distinguish types of pruning: crown cleaning, thinning, elevating, reduction and restoration/rejuvenation
- Describe & demonstrate shrub renovation pruning
- Explain common pruning mistakes and how to avoid them

Turf Care and Installation
- Identify the varieties of turfgrass used in the Desert Southwest
- Demonstrate mechanical steps to properly install sod
- Discuss proper cultural practices including mowing techniques, thatch removal, overseeding, fertilization and irrigation for various turfgrass varieties
- Explore problem solving strategies for common turfgrass diseases and pests

Brought to you by the Arizona Landscape Contractors’ Association
5425 East Bell Road, Suite 105 • Scottsdale, AZ 85254 • (602) 626-7091