

LANDSCAPE INDUSTRY CERTIFIED TECHNICIAN (LICT) [Previously known as Certified Landscape Technician (CLT)] 2013 Landscape Training Classes

The following classes are designed to serve as a basic training program for landscapers. The program is also intended to prepare professional landscapers for the Landscape Industry Certification - Exterior Test. Landscape Maintenance and Irrigation classes and testing are held on Oahu, Kauai and the Big Island. All classes are planned to take 3 to 3 ½ hours and most will be taught in classroom situations with outdoor practical experience when possible. Tools and equipment will be operated during some of the classes.

Students should come prepared to take notes, do problem solving and participate in hands-on demonstrations.

For those interested in becoming certified, the Landscape Industry Certification Test is divided into four areas:

Turf Maintenance **(TM)**

Ornamental Maintenance **(OM)**

Softscape Installation **(SI)**

Irrigation **(Irr)**.

IF YOU WANT to prepare to be certified in **MAINTENANCE**, select the classes marked OM (Ornamental Maintenance) and TM (Turf Maintenance). **FOR SOFTSCAPE INSTALLATION** select those classes marked SI (Softscape Installation), **OR IF YOU WANT** to prepare to be certified in **IRRIGATION** select the classes marked Irr (Irrigation Core). Most Irrigation Core classes will be taught at a two day Irrigation School. For Oahu training check the schedule, dates and location at <http://landscapehawaii.org/training.asp>; Irrigation School information posted online.

The following classes are offered as part of the Landscape Maintenance training session

- **Plan Reading and Math for Landscapers – TM, OM, SI, Irr**

Learning to read and interpret a landscape architectural/installation blueprint. Review of mathematics useful in landscape applications. Taking measurements from scaled drawings, calculating area, cubic measurements and doing installation materials estimates & take-offs.

- **Plant Identification – SI, OM**

Characteristics, growing conditions and sensitivities of 150 landscape plants commonly used in Hawaii. Class will view photographs of plants with accompanying informational handouts. A plant ID/culture book is available at an additional cost of \$30.

- **Pruning – SI, OM**

Covers basic plant structure & growth. Describes pruning tools and techniques for small trees and shrubs. Practice in marking trees and shrubs for correct cuts with appropriate tools. Learn when and how to prune for desired effects.

- **Tree/Shrub Establishment – SI, OM**

Currently accepted methods for planting trees and shrubs; guying and staking techniques. Covers plant selection, site selection, grading and soil bed preparation, follow-up care.

- **Groundcover & Turf Establishment & Management – SI, TM, Irr**

Proper grading, soil bed preparation and installation of groundcovers. Establishment of turf by rolled sod, plugs, stolon broadcasting, seeding and hydromulching. Turf cultivation and maintenance techniques; mowing, core sampling, verticutting, aerating and topdressing. Overview of common warm season turfgrasses used in Hawaii.

- **Fertilization and Soil Fertility – SI, OM, TM, Irr**

Fundamentals of effective fertilization, essential plant nutrients, fertilizer application methods and calculation of application rates. The importance of determining soil types as they affect fertility and drainage. Soil pH and its effect on fertility. Improving certain types of problem soils.

- **Irrigation Parts Identification and Pipe Repair – SI, OM, TM, Irr**

Basics of landscape irrigation systems. Sprinkler head adjustment, pvc pipe repair, and identification and function of various parts of an irrigation system.

- **Irrigation Controllers and Plan Reading – SI, OM, TM, Irr**

Programming and trouble shooting controllers. Basics of landscape and irrigation plan reading and design.

- **Pest ID and Pesticide Use – OM, TM, SI**

Introduction to the use of common herbicides and insecticides. Identification and control of common weeds and insects.

- **Pesticide Application & Safety – OM, TM, SI**

How to read a label and review of safe practices. Practice in calculating dilution and application rates for pesticides. Use of proper safety and protection gear. Overview of state and federal pesticide regulations.

- **First Aid – SI, OM, TM, Irr**

A general course in First Aid, taught by the Red Cross, and resulting in a three year Red Cross safety certification upon successful completion of a short exam at the end of the class period.

- **Landscape Maintenance Equipment – OM, SI, TM**

Safe use, preparation, operation and maintenance of small power tools for landscape maintenance; 20" rotary mowers, chain saws, weed trimmers, hedge trimmers, edgers, blowers and other small lawn power tools. Safe operation of larger equipment including walk behind and riding mowers, aerators, rototillers and verticutters.

- **Equipment Field Day – OM, SI, TM, Irr**

Hands-on instruction of larger lawn equipment and hand power tools. Review of safe operation, maintenance and mechanics of chain saws.

- **Training Classes Review – Optional (FREE)**

For all those who signed up for the classes and will be taking the test, we will review the math as well as do an overview of the important principles that should be studied prior to the test. We will also answer any questions about the written or hands-on (field) test.

ATTENTION: All LICT/CLT holders who are looking to obtain more CEUS by attending the 2013 classes, please be advised that there will be a \$10 fee per class per person.

Irrigation School (Irr): A 2 ½ day short course offered on August 2 and 3, 2013 at Urban Garden Center, Pearl City. Hands-on session on August 9, 2013 at UH Experiment Station Farm, Waimanalo. Cost is \$250. For more information call Jay Deputy at (808) 779-4735 or logon to <http://landscapehawaii.org/training.asp>

1. **Controller:** programming (in-depth); wiring; basics of electrical troubleshooting. Hands-on practice.
2. **Valves:** all aspects of installing; troubleshooting and repair. Hands-on practice.
3. **Field Hydraulics:** velocity; flow; friction loss; precipitation rates.
4. **Water Management:** Plan reading; ET_o; water infiltration rates and soil types.
5. **Installation:** Plan reading; sweating copper; mainline and lateral installation; safety. Hands-on practice.
6. **Trencher:** Machine operation; jetting and compaction. Hands-on practice. Also an opportunity to see and use a wide variety of other landscape tools and machinery.

**2013 LANDSCAPE TRAINING
REGISTRATION FORM – OAHU**

LOCATION: Urban Garden Center, Pearl City
DAYS & TIME: Mondays, Tuesdays and Thursdays, 5:00 PM to 8:30 PM

<u>Date</u>	<u>Class Title</u>	<u>Check Desired Class</u>	<u>Amount</u>
Monday, June 24	Plan Reading and Math for Landscape		
Tuesday, June 25	Plant ID & Sensitivities		
Thursday, June 27	First Aid		
Monday, July 1	Fertilizer & Soil Fertility		
Wednesday, July 3	Turf Establishment & Management		
Monday, July 8	Pesticide Safety & Application		
Tuesday, July 9	Pest ID & Pesticide Use		
Thursday, July 11	Pruning Trees and Shrubs		
Tuesday, July 16	Tree & Shrub Planting		
Thursday, July 18	Equipment Operation & Safety		
Tuesday, July 23	Irrigation Parts ID & Lateral Repair		
Thursday, July 25	Irrigation Time Clock & Scheduling		
Tuesday, July 30	Training Classes Review (Optional)	FREE	0.00
Saturday, August 3	Equipment Field Day (at Waimanalo)		
	Total Due		\$

Cost for all 13 classes: \$480.00 OR \$40 per session/class

If you attend all 13 classes, a complimentary one year membership to LICH is included.

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Please make check payable to:

**HLICA (Hawaii Landscape & Irrigation Contractors Association) and
Mail to: P.O. Box 88416, Honolulu, HI 96830**

Name _____ Phone _____

Home Address: _____

City _____ State _____ Zip _____

Company (if any): _____

Address: _____ City _____ Zip _____

Or pay by credit card (VISA or Master only)

Name on card _____ Card number _____ Exp date _____

**For Information call Karen Ostborg at 808-236-4255 or Madeleine Shaw at 808-597-0708
OR you can email us at: hlica33@yahoo.com**