



**ALCA**  
**CERTIFIED**  
IRRIGATION TECHNICIAN

The ALCA Certified Irrigation Technician (ACIT) program consists of a 3 day training including hands-on activities focused on the optimization of water usage and the efficiency of existing irrigation systems.

### **COST**

#### **Early Registration**

\$450/Members \$700/Non-Members

**Registration within 72 hours**

\$550/Members \$800/Non-Members

### **COURSE DETAILS**

**Day 1** 7:30 am—2:30 pm

Site Assessment;

Maximizing Efficiency—Part 1

**Day 2** 7:30 am—2:30 pm

Maximizing Efficiency Part 2;

Troubleshooting & Repair

**Day 3** 7:30 am—1:00 pm

**\*Required to attend in-person at ALCA\***

Hands-on Field Day at ALCA Parking Lot

Lunch will be provided

Must have attended and passed the ACLP Irrigation workshop, or equivalent field experience, including proficient use of a multi-meter.

### **CERTIFICATION:**

To become certified, students must attend ALL 3 workshops and pass the exam.

### **Site Assessment**

- ◇ Evaluate existing irrigation system using ALCA's irrigation assessment checklist
- ◇ Site conditions – general plant health, glaring problems, plant type, microclimate
- ◇ Review plans or draw irrigation diagram
- ◇ Irrigation components – inventory and condition
- ◇ Zoning of stations/controller scheduling
- ◇ Assess system baseline performance
- ◇ Determine precipitation rates (PR)

### **Maximizing Efficiency**

- ◇ Determine how much water and pressure is needed
- ◇ Manage pressure loss
- ◇ Determine plant water needs & calculate ET (evapotranspiration) rates
- ◇ Calculate and maximize distribution uniformity (DU)
- ◇ Properly calculate run times for maximum efficiency
- ◇ Manage irrigation schedule according to ET
- ◇ Use water management technology & techniques

### **Troubleshooting & Repair**

- ◇ Identify common irrigation malfunctions
- ◇ Identify options for dealing with the malfunctions
- ◇ Choose the best option for the situation
- ◇ Practice the skills necessary to troubleshoot & repair



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