



Arizona Community
Tree Council, Inc.

Class Descriptions

ALL CLASSES ARE ISA ACCREDITED FOR 1 CEU EACH

MAIN SESSIONS

8:30 – 10:00am What You Don't Know About Roots CAN Hurt You – Ed Gilman, Ph.D.

Urban forests can become a lasting resource only when trees develop good root systems. Practices that lead to good roots must begin in the nursery, and there is brand new information on how to do this. Roots must be cut appropriately when trees are planted to the landscape. The site soil must be designed correctly to support root growth. We will also learn how appropriate root management in the first 25 years after planting results in a sustainable urban forest. There is a lot of new information on this. You will go home with new techniques you can use next week.

3:30 – 4:30pm Trees and Storm Response – Tim Johnson and an Asplundh Storm Team Representative

The dangers of storm damage can never be stressed enough to the Arborist. This topic will present Asplundh's storm response during Hurricane Katrina, Rita, Ike, Gustav and Arizona monsoon storms. There will be highlighted points from the ACTC Tree and Storm workshop. This is your opportunity to ask questions and learn how you and your business can be better prepared when the weather changes.

COMMUNITY/MUNICIPAL TRACK

10:15 – 11:15am No Leaf Left Behind – Claud Cluff

The City of Chandler has taken 'going green' to the next level. All chippings from tree pruning are now recycled into mulch that used in place of granite top dressing in several municipal parks. Learn the challenges and successes of how staff persuaded City decision-makers to embrace this cost-saving practice.

1:00 – 2:00pm Native Works! Integrated Land Design– Sarah Harris

Learn the benefits of using natural features and native plants integrated into landscape design. Discover the beauty and practicality of using native plants, while retaining function and form of any landscape project. Parks, businesses and home designs can benefit from integrated landscape designs and choices. By including historical, cultural, and native design aspects, landscapers can address environmental concerns and maintenance expense. Arizona landscapes never have to be an all-or-nothing choice.

2:15 – 3:15pm Pruning Differences of Desert Trees versus Non-Desert Trees – Gary Kudes

You may be a Certified Arborist and know the rules of pruning but do you know that pruning our desert trees is a special art that requires specialized knowledge. This session will discuss why trees like Ironwoods, Mesquites and Palo Verdes are different from typical shade trees and how that they should be pruned. Avoiding mistakes, training young trees and restorative pruning of mature trees will be discussed. Your customers and your trees will love you for it.

INDUSTRY/UTILITY TRACK

10:15 – 11:15am Keeping Arborists Greener-Identifying Abiotic Problems – Ursula Schuch

This presentation will focus on different abiotic disorders of trees, how to diagnose them, tools for diagnosis, look alike disorders, and how to remedy the disorders.

1:00 - 2:00pm Maintaining and Improving Shade Tree Health – Dr. Ed Gilman

Soil management strategies hold the key to maintaining and improving health of trees in compacted and other stressful landscape sites. We detail the newest and most effective techniques professionals are using to keep trees growing and customers happy. Reduce pest pressures, reduce risk, and improve aeration, root growth, and health with practical, efficient applications.

2:15 – 3:15pm Providing Reliable Power Supplies and the Protection of Natural Resources – Charles Paradzick

The Salt River Project's mission is to deliver ever-improving contributions to the people we serve through the provision of low cost, reliable water and power, and community programs, to ensure the vitality of the Salt River Valley. SRP provides electricity to nearly 930,000 retail customers in the Phoenix area, and industrial corporations in some rural areas of AZ. To meet our customers' needs, we operate or participate in numerous power plants throughout the southwest, and construct and operate power transmission and distribution lines in various areas throughout Arizona. SRP also strives to preserve the balance between providing reliable power and protecting natural resources. We accomplish this balance through environmental compliance programs and proactive business practices to conserve and protect natural and cultural resources. This presentation will explain SRP's natural resource program, the interface across SRP divisions to accomplish these goals, and provide examples of the successes and challenges we face with striking this balance.

CERTIFIED ARBORIST TRAINING REVIEW

10:15 – 11:15am Tree Biology, Soil/Water Relations, Nutrients – Steve Priebe

Review the structures and function of the buds, leaves, wood and roots of a tree, the processes of photosynthesis and respiration, and the concept of Compartmentalization of Decay in Trees. You also learn the effects of soil texture and structure on soil compaction, drainage and tree roots. You will gain an understanding of the rhizosphere and the function of mycorrhizae, review the relation between soil moisture, absorption of essential elements and root growth, and become familiar with the essential elements that a tree requires.

1:00 – 2:00 pm Diagnosis and Plant Health – Terry Mikel

Review the systematic approach to the plant diagnostic process. Review how to recognize the signs and symptoms of tree disorders. Learn what treatments are appropriate. Review the various types of insect and disease problems, also problems caused by living and non-living disorders. Review multiple pest control or treatment options. Review the philosophy of Plant Health Care (PHC), and the Appropriate Response Process (ARP) in the diagnosis and treatment of tree health problems.

2:15 – 3:15pm Pruning and Staking, Tree Worker Safety, Trees and Construction - John Eisenhower

Review why, when and how a tree should be pruned and understand the effects of severe pruning on a tree. Review the relationship of the branch collar and branch size to wood closure and potential decay. Review the safety standard for tree care operations and the hazards of working in proximity to electrical conductors. Review the importance of personal protective equipment and learn first aid procedures. Discuss the impact of construction on trees and the role of the arborist in planning and preservation. Review treatment methods for trees that have been impacted by construction.

3:30 – 4:30pm Tree Selection, Installation and Establishment - Gary Kudes

Review the site characteristics that should be considered when selecting a tree, and the characteristics of the tree that needs to be considered, and how to choose healthy stock. Review the techniques and procedures to plant and transplant trees: the various ways trees are available from nurseries and the proper techniques for planting each; the advantages and techniques of staking and guying, and the special requirements of newly planted trees.

4:45 – 5:45pm Plant ID & Domains/Test Tips - Panel

Review plant identification tips and review for the test.

SATURDAY SESSIONS

7:00am – 8:30am Firewise Presentation: Ecosystem Restoration Within a Community Setting – Todd Bentley, Fire Chief, Groom Creek Fire District (1.5 CEUs)

Discussion and methods of providing defensible space for landowners in order to achieve a fire safe, diverse and healthy ecosystem. The ultimate goal of the work being done in Groom Creek is to remove our community from the Federal Register of “Communities at-risk from a major wildland fire conflagration”.

9:00am – 10:30am Tools for Growing Your Urban Forest – Dana Karcher, Project Developer, Davey Resource Group (1.5 CEUs)

As urban foresters, we inherently know that trees are valuable. And now we even have the tools to prove it! How do we use these tools to increase our funding and presence in

our communities? This presentation will look at the updates to i-Tree 3.0, the National Tree Benefits Calculator and the latest research to support the benefits that trees bring to communities. We will look at case studies to show the use of i-Trees and other tools that allow us to tell our story and showcase our urban forest to citizens and decisions makers.

9:00am – 11:00am Extension Services Walking Tour of Prescott Trees – *Hosted by the UofA Extension Service (no CEUs)*

A 2-hour walking tour of Prescott Tree with knowledgeable extension service guides.