



ICPI Intro Concrete Paver Installer Course
Wednesday, December 9 | 8:00 am - 5:00 pm
Thursday, December 10 | 8:00 am - 5:00 pm

The two-day classroom-based course equips individuals currently employed in the concrete paver installer industry with classroom training to properly install interlocking concrete paving.

Course content:

- Job planning and documentation
- Estimating quantities, job layout, and flow
- Soil characteristics and compaction
- Base materials
- Edge restraints
- Bedding and joint sands
- Selection and installation of concrete pavers
- Maintenance and management
- Specialty applications and construction tips
- Safety
- Estimating and job costing

Course fee: \$350 per student

NCMA SRW Installer Education Program
Wednesday, December 9 | 8:00 am - 5:00 pm

The one-day Segmental Retaining Wall (SRW) Installer course teaches installers fundamental SRW installation guidelines, material and system component properties.

Course fee: \$150 per student

Spanish-language training

ESL Hands-On Paver & SRW Installation Course
Wednesday, December 9 | 8:00 am - 5:00 pm

This full-day course is hands-on training outdoors, taught in Spanish by a Spanish-speaking instructor. Content will include installation standards, job layout, paver and SRW base installation and laying techniques, paver cutting and patterns, and joint sand installation.

Course fee: See registration form on page 11.

Basic Landscape Training in Spanish
Thursday, December 10 | 9:00 am - 1:00 pm

This basic landscape training will focus on proper use and maintenance of equipment, best management practices and safety. A combination of visual and hands-on training, including UGA-developed training videos and handouts will be used. The importance of recognizing excavation markings (Georgia 811-Call Before You Dig) will be explained in detail.

Course fee: See registration form on page 11.

ICPI CEU Courses (*qualify for ICPI continuing ed credits*)
Thursday, December 10

8:00 am - 9:30 am

How to be More Productive

This class will cover the five most common inefficiencies in hardscaping:

- Estimating
- Tools and equipment
- Staffing
- Job layout
- Getting paid

Course fee: No fee, but class size is limited.

10:00 am - 12:00 noon

Estimating Labor and Materials for Segmental Concrete Pavements

This course reviews how to make accurate cost approximations of labor hours, materials, equipment and subcontractor costs for a job as well as industry standards for productivity.

Course fee: No fee, but class size is limited.

1:30 pm - 4:30 pm

R.E.A.P Program

This course will help the hardscape contractor to better run their business by following these four principles:

- Respond to your customers' needs
- Educate yourself and the end users
- Advertise excellence
- Perform excellence, install to the highest standards

Course fee: No fee, but class size is limited.

Registration for Belgard University is made separately from EDGE Expo registration.

To register:

Visit urbanagcouncil.com/event-registration/?ee=28 or call 800.687.6949.

GCLP Testing (*no charge*)

Thursday, December 10 | 9:00 am - 1:00 pm

Registration for this testing is made separately from EDGE Expo registration.

Those wishing to take the exam must contact Tami Boyle at tadams@uga.edu or 770-233-6107 to reserve a seat. Study materials, program details, and program registration are available online at ugaurbanag.com/ certification. There is no charge to take the exam but pre-registration is required.



Wednesday, December 9

8:00 am - 5:00 pm

- ICPICPI Intro Concrete Paver Installer Course*
- SRWNCMA SRW Installer Education Program*
- ESLESL Hands-on Paver & SRW Installation Course

9:00 am - 5:00 pm

- PAPesticide Applicator's General Standards Training

9:00 am - 12:00 noon

- 1GSTMA Sports Turf Education Session
- 2Turfgrass Weed Management: Maximizing Your Options
- 3Water Conservation in Turf and Landscape
- 4Turfgrass Disease Management: From Pathology to Solutions
- 5Taming the Danger: OSHA Chainsaw Safety Training
- 6New Plants for the Landscape: 2015 and Beyond
- 7Business Focus for Green Industry Owners and Managers

12:00 noon - 1:30 pm

Lunch | Table-top exhibits | Networking

1:30 pm - 3:30 pm

- 8Spotlight on Turfgrass Today
- 9What is an Invasive Species? How Do They Effect Us?
- 10Mosquito Biology and Control: A Business Aspect
- 11Estimating 101: How Much Should You Charge for That Patio?
- 12Hands-On Insect ID Workshop

Thursday, December 10

8:00 am - 5:00 pm

- ICPICPI Intro Concrete Paver Installer Course*
- CEUICPI CEU Courses*

9:00 am - 1:00 pm

- GCLGeorgia Certified Landscape Professional testing*
- PA Pesticide Applicator's General Standards/Category 24 Exams
- BLTBasic Landscape Training in Spanish
- 13Expert Advice for Zoysiagrass and Fertilizer Management
- 14 Planting Design: Alternatives and Strategies
- 15..... Pruning Demystified: The Good, the Bad, and the Ugly
- 16 Selecting, Managing and Protecting Trees
- 17 Inside and Outside Pests: Identification and Control
- 18 Hands-On Hardscape Training

* Registration is handled separately from EDGE Expo. Please see page 4.

CEUs by session numbers

Alabama

10 credits D & R and OTPS/OTPC.
Must attend both days to receive credit.

Georgia Certified Landscape Professional (GCLP)

Self-report; maximum of 10 CEUs

Georgia Pesticide Category 24 Commercial

PA, 2, 3, 4, 8, 9, 12, 13, 15, 17

Category 41

10

Golf Course Superintendent Association of America (GCSAA)

1, 2, 3, 4, 6, 8, 9, 10, 13, 14, 15, 16, 17

Interlocking Concrete Pavement Institute (ICPI)

11, 18

International Society of Arboriculture (ISA): Certified Arborist (CA)

13, 14, 17

ISA: BCMA - Management

3, 6, 9, 13, 16

ISA: BCMA - Science

3, 13, 14, 17

ISA: Municipal Specialist

3, 6, 9, 13, 14, 17

ISA: TW Climber Specialist

15

Irrigation Association (IA)

3

National Association of Landscape Professionals (NALP)

1 CEU per each hour of instruction

South Carolina

1, 2, 3, 4, 8, 9, 10, 12, 13, 15, 16

Sports Turf Management Association (STMA)

Send in attendance to further CSFM points

Tennessee

1, 2, 3, 4, 8, 9, 10, 13, 15, 17

1 GSTMA Sports Turf Education Session**Wednesday, December 9 | 9:00 am - 12:00 noon****Performance of bermudagrass vs. synthetic turf:****What does the research say?**

This presentation will cover several facets of athletic field research at the University of Tennessee Center for Athletic Field Safety. It will discuss how bermudagrass grown over various root zones performs next to different synthetic turf surfaces as well as how athlete-to-surface interactions vary. This talk will also discuss how surface hardness can vary on both natural turf and synthetic turf surfaces. Finally, I will present data on how different athletic cleats can change forces on athlete's bodies on both natural and synthetic playing surfaces.

Dr. Adam Thoms, University of Tennessee

Reducing inputs and enhancing turf performance through site specific management

The spatial variability of soil and plant parameters along with differences in field use that exists on large athletic field complexes may make it very difficult to manage each field under the same management plan. Therefore, the primary goal of site specific management is to define different management zones through the use of precision agriculture concepts, technologies, and products. Continuing research pertaining to site-specific irrigation, fertility, and cultivation practices will be presented along with the future of precision turfgrass management. This presentation will teach attendees how to operate current site assessment equipment/sensors and integrate their use into daily athletic field management practices. Turfgrass managers will learn that the concept of site-specific management simply involves applying inputs to areas where needed, when needed, and in the amount needed, resulting in management on a smaller scale and reductions in overall inputs. Proper and frequent conduction of site specific management may also lead to enhanced field performance and a better prediction of field playability.

Dr. Gerald Henry & Chase Straw, University of Georgia
Credits: GCSAA: .25; South Carolina: Cat 3-1; Tennessee: Cat 3-3, Cat 10-3, Cat 12-3

2 Turfgrass Weed Management**Maximizing your options****Wednesday, December 9 | 9:00 am - 12:00 noon**

This session will cover weed control programs for turf managers. The seminar will highlight problem weeds, herbicide selection, and emerging issues. Methods to maximize herbicide efficacy and planning resistance management programs will be emphasized.

Dr. Patrick McCullough, University of Georgia
Credits: Alabama; GCSAA: 0.25 GCLP; Georgia: Cat 24 - 3; NALP; South Carolina: Cat 3-1; STMA; Tennessee: Cat 3-3, Cat 10 -3, Cat 12-3

3 Water Conservation in Turf and Landscape**Wednesday, December 9 | 9:00 am - 12:00 noon**

This course will highlight the importance of water conservation as it pertains to standard lawn and landscape maintenance practices. This is a critical issue that must succeed through ongoing education and development of site-specific best management practices (BMPs) for landscape water conservation. The advantages of the BMPs approach with their direct impact on irrigation, cultivation, fertility practices and, pest management will be presented. Other topics which will be discussed are turfgrass and plant selection, irrigation audits, alternative water sources, case studies, application and implementation, and financial impact on consumers. These interrelated topics address sustainability and environmental stewardship. At the conclusion of the workshop, participants will understand how specific management practices directly affect landscape water use and be introduced to applied techniques of implementing water conserving BMPs.

Dr. Clint Waltz & Dr. Bodie Pennisi, University of Georgia
Credits: Alabama; GCSAA: 0.25; GCLP; Georgia: Cat 24 - 1; ISA CA: 3, ISA BCMA Mgmt: 1.5; ISA BCMA Science: 1.5; ISA Municipal: 3; IA: 3; NALP; South Carolina: Core-1; STMA; Tennessee: Cat 3-3, Cat 10 -3, Cat 12-3

**4 Turfgrass Disease Management
From pathology to solutions****Wednesday, December 9 | 9:00 am - 12:00 noon**

Basics on turfgrass pathology, main foliar, crown and root turfgrass diseases will be discussed in detail. Environmental and cultural factors that promote each disease will be reviewed. Turfgrass pathogen biology as well as the different methods of disease control will be emphasized. Additionally, a comprehensive discussion on turfgrass fungicides will be performed. Including mode of action, formulations, rates, new fungicides etc. Fungicide selection for specific diseases will be emphasized.

Dr. Alfredo Martinez & Dr. Elizabeth Little, University of Georgia
Credits: Alabama; GCSAA: 0.25; GCLP; Georgia: Cat 24 -3; NALP; South Carolina: Cat 3-3; STMA; Tennessee Cat 3-3, Cat 10 -3, Cat 12-3

5 Taming the Danger**OSHA Chainsaw Safety Training****Wednesday, December 9 | 9:00 am - 12:00 noon**

The chainsaw is arguably the most dangerous tool that can be purchased and used with no license or training. Don't risk it. Ensure it is used safely. This training will focus on PPE, safety features of the saw, and maintenance. North American Training Solutions, one of the premier training companies in the US, will highlight limbing and bucking – the two most common landscape chainsaw uses. OSHA has approved the training and participants will receive a certificate of attendance.

Axel Avilia, North American Training Solutions
Credits: Alabama; GCLP; ISA credits pending; see website for updates; NALP; STMA

6 New Plants for the Landscape 2015 and Beyond

Wednesday, December 9 | 9:00 am - 12:00 noon

Many new plants are being introduced to the market. Dr. Zhang will share the selection and breeding of new crape myrtles, distylium, loropetalum, and many others and discuss their planting and performance in the urban landscapes. Dr. Ruter will discuss outstanding plants from the Trial Gardens at UGA from summer of 2015 as well as providing an update on his plant breeding and selection programs.

Dr. Donglin Zhang & Dr. John Ruter, University of Georgia
Credits: Alabama; GCSAA: 0.25; GCLP; ISA CA: 2.5, ISA BCMA Mgmt: 2.5; ISA Municipal: 2.5; NALP; STMA

7 Business Focus for Green Industry Owners and Managers

Wednesday, December 9 | 9:00 am - 12:00 noon

Panel discussion of human resource and legal issues

Lynn C. Stewart, Schreeder, Wheeler & Flint, LLP
Human Resources expert

Tax Incentives and their impact on your business

Danny F. Dukes, Danny Dukes & Associates
Credits: Alabama; GCLP; NALP; STMA

8 Spotlight on Turfgrass Today

Wednesday, December 9 | 1:30 pm - 3:30 pm

Turfgrass Diseases: A year in review

A review, update and significance of the main turfgrass diseases observed in 2015 as well as disease trends and forecasts for 2016 will be discussed.

Dr. Alfredo Martinez, University of Georgia

Synthetic Turf

Overview of synthetic turf applications.

Dr. Adam Thoms, University of Tennessee

Soil Moisture Probes: Turfgrass Applications

Soil moisture probes for turfgrass management.

Carmen Magro, Stevens Water Monitoring

Predicting Turfgrass Inventory and Pricing in 2016

For 22 years the Georgia Sod Producers have conducted an annual survey of turfgrass inventory and prices. The results of this survey will be presented; allowing professionals to budget upcoming projects based on current industry trends.

Dr. Clint Waltz, University of Georgia

Credits: Alabama; GCSAA: .20; GCLP; Georgia: Cat 24 -1; NALP; South Carolina: Cat 3-1; STMA; Tennessee: Cat 3 -1, Cat 10-1 , Cat 12-1

9 What is an Invasive Species? How Do They Effect Us?

Wednesday, December 9 | 1:30 pm - 3:30 pm

What is a non-native invasive plant? How do they affect us and our world? What are control and management measures?

Karan Rawlins, UGA Center for Invasive Plants &
Brian Arnold, SongBird Landcare LLC

Credits: Alabama; GCSAA: .20; GCLP; Georgia: Cat 24 -2; ISA CA: 2; ISA BCMA Mgmt: 2; ISA Municipal: 2; NALP; South Carolina: Core-2; STMA; Tennessee: Cat 3-2, Cat 10-2, Cat 12-2

10 Mosquito Biology and Control A Business Aspect

Wednesday, December 9 | 1:30 pm - 3:30 pm

This course will focus on the importance of mosquito biology and taxonomy on an integrated mosquito control program. Content will include information about individual species and how their biology can be used to target control efforts. Specific types of control efforts will be discussed relative to typical small business operators.

Dr. Elmer Gray, University of Georgia

Credits: Alabama; GCSAA: .20; GCLP; Georgia: Cat 41-1; NALP; South Carolina: Cat 8-2; STMA; Tennessee: Cat 3-2, Cat 10 -2 , Cat 12-2

11 Estimating 101

How Much Should You Charge for That Patio?

Wednesday, December 9 | 1:30 pm - 3:30 pm

An entry-level introduction to making accurate cost approximations of labor hours, materials, and overhead assessment for a job. We will cover some industry standards for productivity. A good class to take if you are new to the hardscape contracting business, or a new business owner.

Greg Ambrose, Fairlawn Consulting

Credits: Alabama; GCLP; ICPI; NALP; STMA

12 Hands-on Insect ID Workshop

Wednesday, December 9 | 1:30 pm - 3:30 pm

Learn to identify and manage the top 10 insect pest and beneficial groups in the landscape. This hands-on workshop includes updates on, and safe handling of new chemical, cultural and biological tools for healthy, attractive landscapes.

Dr. Kris Braman, University of Georgia

Credits: Alabama; GCLP' Georgia: Cat 24-2; NALP; South Carolina: Cat 3-2; STMA (Additional credits applied for; see website for updates.)

13 Turf Topics**Thursday, December 10 | 9:00 am - 1:00 pm****Expert Advice for Zoysiagrass**

Determining which cultivar will perform in Georgia's climate can be difficult. Dr. Waltz will discuss long-term studies on the UGA Griffin campus where they have been evaluating many of the commercially available zoysiagrasses for persistence, performance, proper management, and pest related problems. Specific cultivar performance from various trials will be presented and the impact of diseases, use of herbicides, and proper cultural practices will be emphasized.

Dr. Clint Waltz, University of Georgia

Slow-Release Fertilizer Application and Management

Dr. Miltner will answer all of your questions: coated, reacted, stabilized, organic, sulfur, polymer, inhibitor, enhanced efficiency. What does it all mean? What makes your fertilizer work? Walk through the world of fertilizer technologies, from urea reaction products (MU and UF), to natural organics, to sulfur coated and polymer coated fertilizers, to stabilized nitrogen (the new kid on the block). Find out how they are made, how they release nutrients (there are many misconceptions!), how they can promote healthy turf that tolerates weeds, insects, and diseases, and how they limit negative environmental impacts. Learn why it is becoming more and more important to understand what Enhanced Efficiency Fertilizers (EEFs) are and how they work. And since one size does not fit all, find out how to best take advantage of these technologies to fit your operations.

Dr. Eric Miltner, Koch Turf & Ornamental

Credits: Alabama; GCSAA: .30; GCLP; Georgia: Cat 24-2; ISA BCMA Mgmt: .5; ISA BCMA Science: 1; ISA CA: 1.5; ISA Municipal: 1.5; NALP; South Carolina: Cat 3-1; STMA; Tennessee: Cat 3-2, Cat 10 -2, Cat 12-2

14 Planting Design: Alternatives and Strategies**Thursday, December 10 | 9:00 am - 1:00 pm****Rethinking our Attachment to Turf**

Dr. Davis will discuss the research behind and implementation of non-turf landscapes such as grass and perennial meadows in our everyday urban and suburban places to better meet both human and ecological needs. This can be good news for the Green Industry as new landscape typologies require new growing operations, new planting techniques, and new landscape management practices. This presentation will cover design strategies for reducing turf and show promising case studies from the United States and abroad.

Dr. Brad Davis, University of Georgia

Planting Design Strategies with Maintenance in Mind

As landscape designers and architects we often, unknowingly, set our own designs up to fail. When we create landscapes that require highly detailed maintenance and in depth horticultural knowledge we create the unachievable. We owe it to ourselves, to

the maintenance companies, and most importantly to our client to design with maintenance in mind. Brooks and King will show you practical ways to create a sought after landscape with low maintenance as an achievable goal.

Holly Brooks & Eric King, King Landscaping

Credits: Alabama; GCSAA: .30; GCLP; ISA BCMA Mgmt: 1.5; ISA BCMA Science: 1.5; ISA CA: 3; ISA Municipal Spec: 3; NALP; STMA

15 Pruning Demystified**The Good, the Bad and the Ugly****Thursday, December 10 | 9:00 am - 1:00 pm**

Pruning is one of the most important practices for maintaining healthy and attractive landscape shrubs and trees. Before you make the first cut you need to know some important things: why, when, what and how. We will answer each of these questions, starting with the basics and moving to advanced pruning of evergreens, deciduous shrubs, shade trees, and fruit trees. We will also spend some time addressing pest prevention through proper pruning procedures.

Dr. Bodie Pennisi, University of Georgia & **Rick Smith**, The Pruning Guru

Credits: Alabama; GCSAA: .30; GCLP; Georgia: Cat 24-1; ISA BCMA Pract: 3; ISA CA: 3; ISA Municipal: 3; ISA TW Climber: 3; NALP; South Carolina: Cat 3-1; STMA; Tennessee: Cat 3-2, Cat 10-2, Cat 12-2

16 Selecting, Managing and Protecting Trees in the Urban Landscape**Thursday, December 10 | 9:00 am - 1:00 pm****Living and Dying in Tree-Quarter Time**

Dr. Coder will talk about the three major stress problems which impact 80% of all tree growth. Water is at the heart of all three. Tree quality of life and longevity is key to sustainability. Tree owners and their tree health care providers must be proactive in minimizing tree stress and providing space and resources. This talk will review tree health care in a landscape.

Dr. Kim Coder, University of Georgia

Protected, Healthy Trees

Mr. Blackburn will focus on preventing and mitigating tree damage and stress during construction and maintenance. Learn to identify and manage the top 10 insect pest and beneficial groups in the landscape. This hands-on workshop includes updates on, and safe handling of new chemical, cultural and biological tools for healthy, attractive landscapes.

Jamie Blackburn, Arboguard Tree Care

Credits: Alabama; GCSAA: .30; GCLP; ISA BCMA Mgmt: 3; ISA CA: 3; ISA Municipal: 3; NALP; South Carolina: Cat 3 - 1.5; STMA

17 Inside and Outside Pests**ID and Control of Pests and Nuisance Wildlife****Thursday, December 10 | 9:00 am - 1:00 pm**

Dr. Suiter and Dr. Mengak will discuss the top 25+ insects pests inside and outside that cause concern for homeowners and property managers. The identification of common wildlife damage in a landscape/urban/homeowner situation and methods for control or damage reduction also will be discussed.

Dr. Dan Suiter & Dr. Mengak, University of Georgia

Credits: Alabama; GCSAA: .30; GCLP; Georgia: Cat 24 -1; ISA BCMA Science: 1.5; ISA CA: 1.5; ISA Municipal: 1.5; NALP; STMA; Tennessee: Cat 3-2, Cat 10 -2, Cat 12 -2

18 Hands-On Hardscape Training**New Techniques for Free-Standing & Garden Walls (Taught in English)****Thursday, December 10 | 9:00 am - 1:00 pm**

This course will use a step-by-step process to introduce new techniques that will open your eyes to different ways to approach installation. Seat walls, columns, corners, and steps also will be covered. Attendee participation is encouraged.

Grant Miller & Everett Ward, Belgard Hardscapes**Credits:** Alabama; GCLP; ICPI; NALP; STMA**BLT Basic Landscape Training in Spanish****Thursday, December 10 | 9:00 am - 1:00 pm**

This basic landscape training will focus on proper use and maintenance of equipment, best management practices and safety. A combination of visual and hands-on training, including UGA-developed training videos and handouts will be used. The importance of recognizing excavation markings (Georgia 811-Call Before You Dig) will be explained in detail.

Rolando Orellano, UGA Cooperative Extension & **Megan Estes**, Georgia 811

ESL Hands-On Paver & SRW Installation Course**Wednesday, December 9 | 8:00 am - 5:00 pm**

This full-day course is hands-on training outdoors, taught in Spanish by a Spanish-speaking instructor. Content will include installation standards, job layout, paver and SRW base installation and laying techniques, paver cutting and patterns, and joint sand installation.

PA Pesticide Applicator's General Standards and Category 24 Training and Exams

Designed for individuals who do not have a commercial pesticide applicators license. Participants will receive pesticide applicators General Standards and Category 24 (Ornamentals and Turf) training.*

Wednesday, December 9 | 9:00 am - 5:00 pm

General Standards & Category 24 training

Thursday, December 10 | 9:00 am - 1:00 pm

The General Standards and Category 24 exams

The General Standards exam is designed to test for general knowledge on the use of pesticides. The Category 24 exam includes commercial applicators using or supervising the use of restricted use pesticides, or state-restricted pesticide uses, to control pests in the maintenance and production of ornamental trees, shrubs, flowers, and turf.

Upon successful completion of the exam, attendees will be given information to apply for pesticide license with the GA Dept. of Agriculture (\$95 fee for five year license). **You must register for the full two-day workshop to take the exam.**

* Registration for the training course does not include training manuals. Manuals can be pre-ordered for an additional charge, for pick-up or delivery. See page 11 to order.

Keith Mickler, UGA Cooperative Extension**Where to go****Infinite Energy Center****(formerly Gwinnett Center)**

6400 Sugarloaf Parkway
Duluth GA 30097
770.813.7500

Traveling north on I-85, take Exit 108, Sugarloaf Parkway. Turn right, go under I-85 and cross over Satellite Blvd. The Infinite Energy Center will be on your left.

Traveling south on I-85, take Exit 108, Sugarloaf Parkway. Turn right and cross over Satellite Boulevard. The Infinite Energy Center will be on your left.

**Parking**

Free on-site parking is available.
Overnight parking is prohibited.

Where to stay**Holiday Inn Gwinnett Center**

6310 Sugarloaf Parkway
Duluth GA 30097
770.476.2022
www.ihg.com/holidayinn/hotels/us/en/duluth/atldu/hoteldetail

Located 30 miles north of the Atlanta Airport, 25 miles from downtown Atlanta and across from Discover Mills and The Infinite Energy Center.