



AGC Georgia Academy

The AGC Georgia Academy will provide game-changing learning resources to take you and your team to the next level. AGC Georgia Academy curriculum is structured to develop higher levels of emotional intelligence, giving you tools to create an emotional experience. You will build on your communication skills and develop how you present yourself to others. The sessions focus on how to achieve your mental, physical and emotional peak performance. Based on the outcome of group scores in the opening session and perceived individualized development needs, you will grow by participating in the training modules. The principles taught are easily integrated into your culture and make a positive impact.

Class of 2016 Session Dates

Instructor: Brent Darnell, Brent Darnell International

8:00 am – 4:00 pm at AGC Georgia’s Training Center in Atlanta

- October 20 – Foundation for Your Future
- November 17 – Relationships
- December 1 – Communication Skills
- January 12 – Presentation Skills
- February 16 – Stress Management
- March 8 – Time Management
- April 12 – Building High Performing Teams/Successful Projects
- May 3 – How to Create Lifelong Learning

Graduation for the Class of 2016 will be on the morning of at the Fall Leadership Conference in 2016.



Construction Professional Conference & Marketplace

Last year we promised a **BIG** conference, and attendee feedback overwhelmingly proved AGC Georgia exceeded expectations! Attendees specifically bragged on the relevance of learning session topics and products and services at the marketplace.

For 2015, we are committed to hosting an even more dynamic event to help professionals working in all levels of their company gain knowledge and build relationships to make them stronger leaders! With 65+ conference learning sessions focusing on Safety, Human Resources, Technology, Executive Operations, and Skills for Success, this is one event you won’t want to miss!



MARK YOUR CALENDARS! APRIL 29, 2015

GEORGIA INTERNATIONAL CONVENTION CENTER
ATLANTA, GA





NPDES Level 1A Fundamentals Course and Exam (Blue Card)

The Level 1A Fundamentals Seminar is a one day course designed to train contractors, builders, developers, site superintendents, grading and utility contractors, and monitoring consultants in the proper installation, maintenance, and inspection of best management practices (BMPs) on construction sites.

Once completing the course and passing the exam with a score of 70%, you will be instructed on how to submit certificate application.

NPDES Re-Certification of Level 1A, 1B or Level II

This course is GSWCC approved to renew Level 1A Fundamentals (Blue Card), Level 1B (Red Card) or Level II (Tan or Gray Cards). The course is 4 hours and there is no test. Upon completion of the course and upon the Commission receiving your Lawful Presence forms (filled out and notarized in class), your certification will be renewed for an additional 3 years from your original expiration date.

NPDES Course Dates

Instructor: T. Luke Owen

All courses will be held in Atlanta

Other locations available. Contact parham@agcga.org

NPDES Level 1A Fundamentals Course and Exam

- ❖ February 12
- ❖ April 9
- ❖ June 5
- ❖ July 9
- ❖ August 4
- ❖ October 13
- ❖ December 17

NPDES Re-Certification Course

- ❖ February 17
- ❖ March 10
- ❖ April 24
- ❖ May 11
- ❖ June 9
- ❖ July 14
- ❖ August 14
- ❖ September 11
- ❖ October 9
- ❖ November 10
- ❖ December 15



LEED v.4 Green Associate Exam Prep

This training is tailored to educate professionals in the key sustainability concepts and LEED fundamentals required to pass the Green Associate exam. The goal is for you to pass this exam on the first try, so you are provided with study methods, exam-taking skills, and practice questions to boost your confidence. Earning a new credential guarantees you don't get left behind with the conventional paper pushers.

LEED v.4 AP + BD&C Exam Prep

LEED Green Associates can aim for various specialties after gaining relevant project experience. The most popular, LEED AP Building Design + Construction, is the advanced accreditation. This course will prepare you for the most intensive subject matter detailed in the Exam.

LEED v.4 Course Dates

Instructor: Representative of Sustainable Investment Group (SIG)

Green Associate Exam Prep

- ❖ March 5 – Atlanta
- ❖ October 7 – Atlanta

LEED v.4 AP +BD&C Exam Prep

- ❖ March 17 – Atlanta
- ❖ September 1 - Atlanta



CHST Study Group

The CHST Study Group's objective is to help prepare only fully-qualified construction safety and health practitioners to sit for the CHST exam. This course will not only provide basic safety review, rather the problems/scenarios presented will be representative of the questions that may be expected to appear on the CHST exam.

CPR, First Aid, and Bloodborne Pathogens

This course is for anyone who needs a course completion card in first aid, CPR, and Bloodborne Pathogens.

Crane Safety for Site Management

This course will provide the knowledge necessary to understand and review crane and rigging activities on a construction site from the point of view of a Site Superintendent or Safety Manager of the GC/CM. Topics include: Crane Types & Components, OSHA & ASME, Roles & Responsibilities, Site Prep, Load Charts, Rigging & Signaling, Power Line Safety and Lift Planning.

Fall Protection – Competent Person

Employers have a duty to provide fall protection when employees are at risk of falling 6 feet or more and at least one Fall Protection Competent Person per trade should be identified on a project if their workers are exposed to fall hazards. This course will provide participants training and knowledge of OSHA's Subpart M in identifying fall hazards and how to eliminate the risks of falls.

Safety Leadership Training

Safety Leadership is designed for front line supervision, superintendents and safety professionals. This course is intended to assist construction supervisors and managers in achieving improved safety performance and communication techniques.

Attendees will learn Critical Traits of Effective Leaders; understanding principles of Human Error; and How to Coach for Optimal Safety Performance.

Trenching and Excavations – Competent Person

If you dig, or if your project has a four-foot or deeper foundation, basement, or excavation work, then you should attend this informative course. This course educates individuals on the proper procedures for before, during, and after trenching and excavation, while meeting OSHA's requirements for a "competent person."

The State Licensing Board approves this course for Utility Contractors.

Safety Course Dates and Locations

CHST Study Group (3 Day Course)

Instructor: Charles Johnson, Turner Construction Co.

- February 18, 25 and March 4 - Atlanta

CPR, First Aid and Bloodborne Pathogens

Instructor: Shane Harrison, Emergency One, Inc.

- March 20 – Atlanta
- June 12 – Atlanta
- September 25 – Atlanta

Crane Safety for Site Management

Instructor: Representatives from Crane Industry Services

- February 27 - Atlanta
- June 26 - Atlanta
- November 13 - Atlanta

Fall Protection – Competent Person

Instructor: Brian Wood, Affinity Service Group, Inc.

- February 18 – Macon
- March 25 – Tifton
- September 16 – Atlanta

Safety Leadership Training

Instructor: Representative of PROSAFE Solutions, Inc.

- February 13 – Atlanta
- May 1 - Atlanta
- September 30 – Atlanta

Trenching and Excavations – Competent Person

Instructor: Brian Wood, Affinity Service Group, Inc.

- March 5 – Atlanta
- September 2 - Atlanta



OSHA 10-Hour for Construction

OSHA requires a contractor to have a competent person on-site to qualify for Focused Inspections. This safety course is designed to help contractors develop safety and health competent persons for their job sites. The competent person will learn to recognize potential hazards in construction before an incident occurs. Plus, individuals will be able to identify and implement abatement techniques for hazards found on the construction site.

OSHA 30-Hour for Construction

Many owners and general contractors are now requiring contractors complete the OSHA 30-Hour Construction Safety Outreach course prior to working on their projects.

This four-day course is a comprehensive safety program designed for anyone in the construction industry. It is developed for the person who works with a broad variety of construction standards. The class covers the full spectrum of construction safety from Subpart A through Subpart Z. Learn how to recognize basic construction hazards and implement corrective measures through classroom instruction.

OSHA Subpart CC: Qualified Signal Persons & Qualified Riggers Safety Training

This course meets the requirements of OSHA's Subpart CC – Cranes in Construction regulations. In one day, we will cover both Qualified Signal Person requirements and Basic Level 1 Qualified Rigger requirements. Many companies currently require documentation of a Qualified Signal Person and Qualified Rigger before allowing you to work on their sites.

Attendees will review standard ANSI hand and voice signals along with basic hitches, capacity calculations and inspection requirements for rigging equipment. Students are required to pass a written and practical exam as required by OSHA.

OSHA Recordkeeping

Under the OSH Recordkeeping regulation, covered employers are required to prepare and maintain records of serious occupational injuries and illnesses using the OSHA 300 log. This information is important for employers, workers and OSHA in evaluating the safety of a workplace, understanding industry hazards, and implement worker protections to reduce and eliminate hazards. On September 11, 2014, OSHA announced changes to the list of industries that are exempt from the requirement to routinely keep OSHA injury and illness records, and to the list of severe work-related injuries and illnesses which all covered employers must report to OSHA. These new requirements will go into effect on January 1, 2015 for workplaces under Federal OSHA jurisdiction.

OSHA Safety Courses Date and Locations

OSHA 10-Hour for Construction (2 Day Course)

Instructor: Brian Wood, Affinity Service Group, Inc.

- January 22 and 23 – Atlanta
- March 12 and 13 – Tifton
- May 14 and 15 – Macon
- October 15 and 16 – Atlanta

OSHA 30-Hour for Construction

Instructors: Brian Wood, Affinity Service Group, Inc. & Bob Cauthen, CNA Insurance

All Classes will be held in Atlanta

- March 4, 11, 18, and 25
- September 22, 23, 24, and 25

OSHA Subpart CC: Qualified Signal Persons & Qualified Riggers Safety Training

Instructor: Philip Greisen, PROSAFE Solutions, Inc.

- February 6 – Atlanta
- April 10 – Macon
- October 2 – Tifton

OSHA Recordkeeping

Instructors: Representatives from OSHA

- January 23 - Macon
- January 30 - Savannah



Building Information Modeling (BIM) – Unit 1: An Introduction to BIM

Course topics include:

- Recognize the importance of BIM
- Define common BIM terminology
- Discuss how BIM can be used as a communication and collaboration tool
- Explain the benefits of BIM
- Explain the federated model process
- Compare examples of successful BIM usage
- Discuss issues associated with starting BIM
- Create a company BIM Assessment

BIM – Unit 2: Technology

Course topics include:

- Explain the phased structure of a BIM project
- Discuss the classes of BIM tools
- List common BIM applications
- Explain the need to embed tools into processes
- Describe how the use of BIM tools needs to be planned and organized
- Develop a process for identifying and selecting BIM tools

BIM – Unit 3: BIM Contract Negotiation and Risk Allocation

Course topics include:

- Explain contract liability and standards of care related to BIM
- Negotiate BIM Addendum terms for BIM Execution Plan development
- Use BIM contract negotiation to establish proactive collaborative BIM
- Identify intellectual property rights and licensing issues related to Model use
- Recognize BIM coverage limitations in existing insurance and bond products
- Devise fair risk allocation and management responsibility provisions on BIM projects

Course Dates and Locations

Instructor: Josh Bone, Graphisoft

Unit 1: An Introduction to BIM

- ❖ January 28 – Atlanta
- ❖ August 12 – Tifton
- ❖ September 23 – Atlanta

Unit 2: Technology

- ❖ February 25 – Atlanta
- ❖ September 9 – Tifton
- ❖ October 28 – Atlanta

Unit 3: BIM Contract Negotiation and Risk Allocation

- ❖ March 24 – Atlanta
- ❖ November 4 – Tifton
- ❖ November 18 – Atlanta

Unit 4: BIM Process, Adoption, and Integration

- ❖ April 23 – Atlanta
- ❖ October 7 – Tifton
- ❖ December 9 - Atlanta

BIM – Unit 4: BIM Process, Adoption, and Integration

Course topics include:

- Define process, adoption, and integration as related to BIM implementation
- Identify relative and proactive BIM outcomes
- Evaluate and select process options for a specific BIM project
- Describe the roles and responsibilities of participants in the BIM process
- Identify consistent factors influencing BIM Return on Investment (ROI) at the project and the company levels
- Communicate the BIM process to management, colleagues, and project stakeholders
- Outline a process for BIM adoption and implementation at the project and company levels

Certificate of Management BIM (CM-BIM) Exam

After completing the four BIM Education Program (EP) courses, a candidate is qualified to take the CM-BIM Exam. Once achieving a passing score, a candidate earns their CM-BIM credentials.

Exam Dates

Proctor: Cherri Watson, AGC Georgia

All exams will be held in Atlanta

- January 27
- February 26
- March 25
- April 22
- May 20
- June 25
- August 26
- September 24
- October 22
- November 19



Basic Blueprint Reading

This course offers not only the basics of blueprint reading but also the fundamentals of construction methods that make blueprint reading meaningful. The course is designed for office personnel, foremen, superintendents, and anyone who desires a basic knowledge of construction drawings. This course will offer basic descriptions of pictorial drawings, construction materials, construction specs, the proper use of a scale, and plot plans. It will also cover the basics of print reading for concrete footings, structural steel framing, welding, unit masonry construction, framing and finish, plumbing system, air conditioning systems, and electrical systems.

Estimating 101

Several experienced estimators working currently as senior estimators at general and specialty contractors will teach the basics of construction estimating to students who have little or no experience in this important job role for a construction team. This course is designed to increase the knowledge and skill level of estimators, and to provide students with the latest information on estimating techniques, construction materials, and construction systems and methods.

Corps of Engineers Construction Quality Management (CQM)

The Construction Quality Management (CQM) course for contractors is offered to familiarize contractor personnel with CQM concepts and procedures. The requirement for the CQC System Manager of the principal member of the CQC staff personnel of the contractor on the U.S. Army Corps of Engineers' projects is to successfully pass the course. The CQM exam is given at the end of the class.

Construction Accounting 101

In this course, you will learn how to calculate Over/Under Billings, determine what Percent Complete means, and see through examples, the impact good job projections make to the overall financial results. Participants will leave with a better understanding of why accountants and field personnel MUST have a good rapport for Financial Projections to be accurate.

How to Read and Understand Financial Statements

In this course, participants will understand the difference between the Balance Sheet and the Income Statement, learn how to read footnotes and which are most important, and learn how third parties (bond companies and banks) analyze financial statements including what "healthy" company ratios are. Participants will leave with a better understanding of why accountants and field personnel must have a good rapport for Financial Statements to be accurate.

Course Dates and Locations

Basic Bluepring Reading

Instructor: John Devine, John Devine Consulting, LLC
April 9 and 10 – Atlanta
September 24 and 25 – Tifton
October 15 and 16 – Macon

Estimating 101

Instructors: John Devine, John Devine Consultor, LLC and Specialty Trade Professionals
Begins September 14 and runs for 10 weeks, Mondays

CQM

Instructor: Helane Church, U.S. Army Corps of Engineers
February 27 - Atlanta
October 9 - Atlanta

Construction Accounting 101

Instructors: Gary Fortier and Bobby Lauman, Large and Gilbert
November 4 - Atlanta

How to Read and Understand Financial Statements

Instructors: Gary Fortier and Bobby Lauman, Large and Gilbert
January 14 - Atlanta

construction



Legal Matters

Georgia Lien Law

Everyone in the construction industry, from owners and contractors to subcontractors and vendors and industry attorneys, need to understand the requirements to effectively protect their property from liens and/or enforce lien rights going forward.

Construction Project Scheduling, Delays and Acceleration

Course topics include:

- Developments in Contractual Risk Allocation
- The Contract Controls
- “Time is of the Essence” clauses
- Contract Commencement and Completion Dates
- Substantial Completion and Final Completion
- Typical Contract Time and Scheduling Clauses
- Use of Schedules in Project Management
- Types of Delays and Causes
- Excusable vs. Non-Excusable Delays
- Compensable Excusable Delays & Non-Compensable Excusable Delays
- Non-Excusable Delays
- Typical Causes of Excusable Compensable Delays
- Defective Drawings or Specifications
- Failure to Provide Access and Improper Site Preparation
- Failure to Supply Material of Labor
- Failure to Provide Plans/Approve Shop Drawings
- Failure to Coordinate Prime Contractors
- Failure to Give Timely Orders for Work
- Excessive Change Orders
- Concurrent Delays & Suspensions
- Direct and Constructive Acceleration
- Requirements for Written Notice
- No-Damages-for-Delay Clauses and Trade-to-Trade Clauses

The Plus and Minus of Mediation, Arbitration & Litigation

Course topics include:

- The advantages of mediation for contractors and all litigants
- How a mediation can save costs and/or prepare a litigant for trial
- The advantages and disadvantages of Arbitration
- Should standard construction contracts contain boilerplate language requiring the parties to mediate and/or arbitrate a dispute with a certain ADR provider?
- The advantages and disadvantages of Litigation

Public Private Partnerships (P3's)

Course topics include:

- What are P3's and why are they becoming more common
- How P3's are a cutting edge approach to finance mid-large sized projects
- The advantages and disadvantages of P3's over other project delivery methods
- P3 contracts and the associated risks

Course Dates and Locations

Georgia Lien Law

Instructor: S. Gregory Joy, Smith, Currie, & Hancock LLP

- February 25 – Macon
- October 14 – Atlanta

Instructor: Mark Cobb, Cobb Law Group

- May 6 – Tifton

Construction Project Scheduling, Delays and Acceleration

Instructor: Representative at Smith, Currie, & Hancock LLP

- February 18 – Atlanta

The Plus and Minus of Mediation, Arbitration & Litigation

Instructor: Representative of Smith, Currie, & Hancock LLP

- January 16 – Atlanta



Lean Construction

EDUCATION PROGRAM



Lean Education Program Overview

AGC developed the nationally-recognized Lean Construction Education Program (LCEP). This program teaches construction professionals at all experience levels the building blocks necessary to transform projects and companies into a lean operating system. Following completion of the program, individuals will have a deep knowledge of both the theory and application of Lean Construction and will be qualified to sit for an exam to earn AGC's Certificate of Management – Lean Construction (CM-LC) Credential.

Unit 1: Variation in Production Systems

Upon completion, participants will be able to:

- Define the different types of variation
- Explain the concept of throughput
- Distinguish the concepts of throughput and work in progress
- Describe the role of variation in production operations
- List sources of variation in construction settings
- Explain variation mitigation techniques
- Contrast variation mitigation techniques

Unit 2: Pull in Production

Upon completion, participants will be able to:

- Compare batch-and-queue and continuous-flow production systems
- Distinguish push systems from pull systems
- Describe the impact of pull on production systems
- Explain pull strategies in construction operations

Unit 3: Lean Workstructuring

Upon completion, participants will be able to:

- Apply the methods and tools utilized in pull planning
- Describe the concept of Lean Workstructuring
- Outline the desired products of Lean Workstructuring
- Describe the characteristics and application of the Last Planner® System

Unit 4: The Last Planner® System

Upon completion, participants will be able to:

- Apply the Last Planner® System on a project
- Hold make-ready and weekly work planning session
- Calculate, track and analyze percent plan complete for a project

Unit 5: Lean Supply Chain and Assembly

Upon completion, participants will be able to:

- Differentiate between traditional procurement practices and lean supply chain applications
- Identify waste and value-adding activities within the supply chain and assembly
- Evaluate the impact of using lean supply chain on waste elimination, continuous flow and site operations pull
- Identify strategies needed at the project and company levels to support the lean supply chain
- List examples of process improvements to the lean supply chain
- Expand lean beyond the individual project
- Create a value stream map to diagnose and improve the supply chain

Unit 6: Lean Design and Pre-Construction

Upon completion, participants will be able to:

- Distinguish between the varying definitions for design
- Define value and commonly used methods to maximize it
- Discuss waste & commonly used methods to minimize it
- Differentiate between traditional project methods and lean design
- Explain the various lean tools used in design and how to deploy them

Unit 7: Problem-Solving Principles and Tools

More details to come in Spring 2015

Course Dates

Instructor: Ed Beck, Ed Beck CM, LLC

All courses will be held in Atlanta

<u>Unit 1</u>	<u>Unit 2</u>	<u>Unit 3</u>	<u>Unit 4</u>	<u>Unit 5</u>	<u>Unit 6</u>	<u>Unit 7</u>
March 6	March 6	April 3	April 3	May 8	January 23	June 19
September 18	September 18	October 23	October 23	November 20	June 18	December 18
					December 18	

It takes practice to master your craft, but more to understand your people.

Complimentary monthly webinars led by Brent Darnell
ALL webinars will be held from 1:00 pm – 2:00 pm
To register for a webinar, please email
registration@agcga.org.

March 26 - *Stress Management I*

Is stress killing you? Learn the secrets to being stress-free at work.

April 23 - *Stress Management II*

Having trouble relaxing? Feeling a little stressed with work and life? These simple techniques will put you into relaxation mode in two minutes.

May 28 - *12 Steps to Great Relationships Part I*

These first six steps will give you insights into how to make your relationships the best that they can be.

June 25 - *12 Steps to Great Relationships Part II*

The second six steps will not only help you create great relationships, but we will give you tips on how to create more leads and win more work.

July 23 - *Time Management Part I*

Have too much on your calendar? Not enough hours in the day to get everything done? Here are some easy techniques, so you can stop pulling your hair out and start being productive.

August 27 - *Time Management Part II*

These simple systems will eliminate the chaos in your life and work and help skyrocket your productivity.

September 24 - *How to Get Your Book Out of Your Head and Into the World*

Many of us have a book in our head for ourselves or our company. Find out how to get that book written and out to the world.



MEET THE INSTRUCTOR



Brent Darnell, Owner, Brent Darnell International
BRENT DARNELL is a mechanical engineer and a graduate of the Georgia Institute of Technology. He worked in the construction industry for 20 years, then started his leadership development company. He is an authority on emotional intelligence (EI) and a pioneer of its use in the construction industry. He was named a **Top 25 Newsmaker** in 2012 by *ENR* for “transforming alpha males into service-focused leaders” and “connecting his EI training approach to business success.”

October 22 - *The Three Biggest Mistakes that Lean Projects Make*

We will discuss the basics of emotional intelligence, what it is, how it is measured, how it can be improved, and how it can affect lean practice and behavior. We will go over the three biggest mistakes that are made during the pull planning process and how to avoid them. We will demonstrate a method called "Beyond Partnering" that integrates the technical side of lean and the planning process with the human side of developing trust, cooperation, and communication to make the lean practice easier, more accurate, and more effective.

According to the World Health Organization, 90% of illnesses are caused by or made worse by stress.

What are you doing to combat this?

Sign up for a webinar today.