

# CONSTRUCTION MANAGEMENT PRINCIPLES TRAINING

The Construction Management Principles course provides a basic understanding of construction management and the role of the construction manager (CM).

This course will provide an overview of owners and project types, contracts and agreements, construction management project management, leadership, ethics, soft skills, and career development.

## Who Should Attend?

College seniors, recent graduates, and professionals looking to start or transition to a career in construction management.

## Learning Objectives

- Distinguish and explain use of construction management and review responsibilities of CMs within the project scope.
- Identify and describe the factors controlled by the specialized management technique and describe the use techniques to plan, coordinate, monitor, and control a construction project.
- Understand the overall process of safely managing a quality project from start to finish while addressing risks, staying within budget, on schedule, and meeting scope expectations as applied specifically to the construction industry.

## Credit for Professional Development

CMAA provides professional development credit for those who complete the Construction Management Principles course. In order to meet the varied formats for reporting mandated education requirements to licensing boards, credits are identified as Professional Development Hours (PDHs) and CMCI Renewal Points. Partial credit is not assigned. The full day of the course must be completed to receive credit.

## Construction Management Principles

### Construction Management

- History of Construction Management
- Why Construction Management?
- What is in a CM's "Toolbox"
- Stakeholders & Participants
- Types of Owners & Projects
- CM Services & Responsibilities

### Construction Managers

- Required Skills & Abilities
- Work Style
- Roles & Responsibilities

### Contract Administration

- Reading & Understanding Contracts
- Document Review
- Contract Terms & Conditions
- Contract Responsibilities
- RFP, RFI, RFQ

### Projects

- Project Phases
- Project Lifecycle
- Deliverables by Phase
- Project Controls
- Domains
- Delivery Methods

### Qualities of a CM

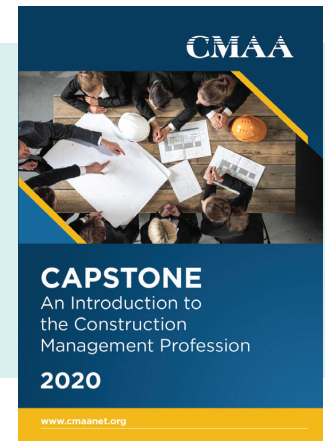
- Emotional Intelligence & Awareness
- Communication
- Communication Styles
- Leadership

### Career Development

- Where to Work
- Credentials
- Agency & CMAR Career Progression

## INCLUDED with REGISTRATION

- ✓ *Capstone: An Introduction to the CM Profession*



## Construction Management by Domain



### Program & Project Management

- Construction Management Plan
- Project Procedures Manual



### Cost Management & Value Engineering

- Estimates
- Contingency
- Change Management Techniques



### Information Management

- CMMS
- KPIs & Dashboards
- Handling Client Information



### Quality Management

- Quality Management Plan
- Quality Assurance
- Quality Control
- Non-Conformance



### Risk Management

- Quantitative Analysis
- Qualitative Analysis
- Risk Matrix



### Sustainability

- Building Codes
- Lifecycle Cost
- Triple Bottom Line
- Certifications



### Time Management

- Types of Schedules
- Scheduling Tools
- Scheduling Procedures
- Critical Path Method
- Work Breakdown Schedules
- Schedule of Values



### Technology

- Transition to Technology
- BIM Dimensions
- BIM Level of Development
- Digital Twins
- Applying Technology



### Safety & Liability

- CMAA's Safety Policy Statement
- Three Legs of Safety
- Safety Culture vs Safety Climate
- OSHA
- OSHA Violation Categories and Fines
- OSHA Top 10 Multi-Employer
- Worksites
- OSHA Record Keeping Requirements
- Job Hazard & Safety Analysis
- Claims & Dispute Resolution

## About the Facilitator



**Paul Buckley, PE, CCM, QSD, LEED AP, DBIA Assoc.**  
*Senior Vice President, PCM Training Lead, Anser Advisory*

Paul Buckley is a senior technical expert with over 42 years of experience overseeing complex programs and projects for public and private clients in the U.S. He has a degree in Civil Engineering from the New Jersey Institute of Technology. He has worked as a designer, contractor, and public agency project manager, and owned his own project and construction management consulting firm for 25 years before joining Anser Advisory.