CONSTRUCTION MANAGEMENT PRINCIPLES

CMAA
Construction Management Association of America

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, CM project management, leadership, ethics, soft skills, and career development.

Who Should Attend?

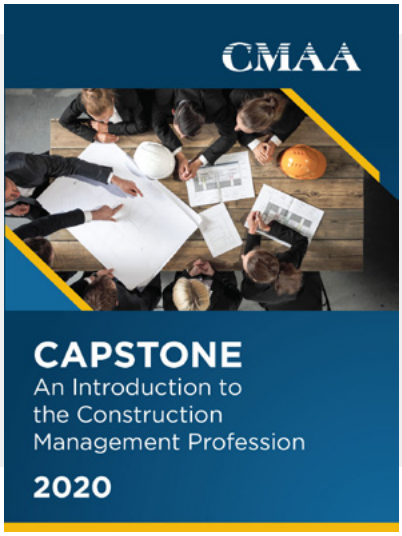
- ✓ Soon-to-be and recent graduates looking to begin their CM career.
- ✓ Early career professionals focused on becoming a professional CM.
- ✓ Mid-career professionals looking for a pathway to transition into a CM career.

Learning Objectives

- ✓ Understand and explain the importance of professional construction management and of having a CM on all projects/programs.
- ✓ Identify 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 applicable to any industry, within budget, on schedule, and meeting scope expectations as applied specifically to the construction industry addressing all associated risks.

INCLUDED WITH REGISTRATION:

- » *Capstone: An Introduction to the CM Profession*
- » *What's Your Construction Management EQ?*



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 (PDH). CMAA is registered with the National Council of Examiners for Engineering and Surveying (NCEES) as an approved provider. Course participants earn 5 PDHs and CMCI Renewal Points. All NCEES transcripts can be accessed electronically by the participant. Partial credit is not assigned. The full day of the course must be completed to receive credit.

CMCI APPROVED PROVIDER

ENGINEERING RCEP REGISTERED CONTINUING EDUCATION PROGRAM

Construction Management Principles

Construction Management

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

Construction Managers

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

Contract Administration

- Reading and Understanding Contracts
- Document Review
- Contract Terms and 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

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