



Earn Your

CONSTRUCTION MANAGEMENT DIPLOMA

Designed for people engaged in the construction industry, with no formal education or training in construction engineering, that would like to enhance their construction management skills and validate their work experience, through an intense, six-day, hands-on workshop developed by successful and experienced construction industry professionals.

Register for individual classes or earn your diploma by completing six courses within a one-year period.

Classes will be held from 8:15 a.m. to 4:30 p.m. at NC State University's McKimmon Conference and Training Center in Raleigh, NC.

Construction Business, Planning, Risk and Rewards

Jan. 14, 2022

- Construction Markets and Trends
- Assessing Opportunities, Threats, Strengths, Weaknesses
- Developing Business and Strategic Plans
- Evaluating and Selecting Risk Management Tools In Construction
 - Business Entities
 - Contract Types and Project Delivery Methods
 - Subcontracting
 - Bonding
 - Insurance
 - Warranties

Construction Financial Management and Control

Jan. 21, 2022

- Assessing Accounting Systems and Methods
- Setting Up Job Costing
- Producing and Utilizing Financial Statements
 - Balance Sheet Analysis
 - Profit and Loss Analysis
 - Financial Analysis of the Firm
 - Cost-Volume-Profit Analysis
- Managing Project and Company Cash Flows
- Evaluating Company and Project Returns
- Developing Reliable Work in Progress Reports
- Tracking Project Progress and Performing "Post Mortem" Evaluations
- Developing Company and Project Budgets
- Determining Your Bondability and Bonding Capacity

Construction Estimating

Jan. 28, 2022

- Go/No-Go Business Decision on Each Project
- Rough Order of Magnitude Estimates
- Estimate for Profits
 - Company Overhead
 - Profit
 - Contingency
 - Markup
- Calculating Direct Costs
 - Labor Burden
 - Equipment
 - Materials
 - General Conditions
- Construction Productivity
- Bidding Strategy
- Proposal Preparation and Value Added Proposals
- Estimating and Documenting Change Orders

Who Should Attend

- Business owners and managers
- Facilities managers and project administrators
- Construction project managers and project engineers
- City, town, highway project officials and program managers
- Field engineers and owner representatives
- Structural and civil engineers, architects
- Project managers and project engineers

Your Instructors

Roberto Nuñez, P.E.
 Willy Stewart, P.E.
 Hudson Smelcer
 Henry Stewart, P.E.
 Chris Sellman, CPA
 Brian Schoolman, Esq.
 Benjamin Buskirk, Esq., P.E.
 Suzy Nisbet, SPHR

Construction Scheduling

Feb. 11, 2022

- Integrating the Estimate and the Schedule
- Construction Productivity
- Activity List, Duration
- Activity Logic and Construction Sequence
- Scheduling the Project
- Critical Path
- Crashing the Project
- Resource Loading the Project
- Tracking and Documenting Progress
- The Earned Value Method
- Legal Issues Associated with Scheduling

Construction Contracts and Legal Environment

Feb. 18, 2022

- Contract Reviews
- Hidden Aspects of General Conditions
- Understanding and Resolving Issues Concerning:
 - Scope of Work
 - Standard of Care
 - Project Delivery Method
 - Pricing, Payment Terms, Pay Applications, Contingency
 - Stopping Work
 - Indemnification
 - Damages: Direct and Consequential
 - Change Orders
 - Lien and Bonds
 - Claims and Disputes, Delays, Acceleration
 - Close-Out and Warranties

Construction Operations

Feb. 25, 2022

- Requests for Information
- Shop Drawings and Legal Issues Concerning "Delegated Design"
- Project Turnover
 - "Buying" the Project
 - Schedule of Values
 - Risks with "Front Loading and Unbalancing"
- Field Orders and Change Orders
- Daily Reports
- Pay Applications
- Certified Payroll
- Impact of OSHA Safety and Safety Plans
- Human Resources
 - Independent Contractor Use
 - Employment Law Compliance
 - Compensation Practices
 - Screening and Verification

Registration Fee

Class fee includes instruction and all course materials.

\$315 per class when you register for individual classes

\$1,700 for all six classes when you register and pay for all six classes at one time

NC STATE UNIVERSITY

Office of Professional Development



Register today! Class size is limited.

For more information or to register, go to go.ncsu.edu/construction or call the Office of Professional Development at **919.515.2261**.

If your firm is DBE certified with NCDOT, contact NCDOT BOWD at **984.236.1234** or email BOWD@ncdot.gov.