

Complete your certificate in

Construction Practices

Complete 8 of the following 10 classes.

- **101 Introduction to Construction Estimating**
Develop foundational knowledge of the procedures, materials, equipment, and practices that are needed in estimating for any trade or type of construction.
- **102 Essential Construction Math**
Develop mathematical skills through practice and application to the construction trade. Calculation of board feet, area, volume of shapes and concrete footings, slabs, and conversions are amongst the topics studied. While this class is not a prerequisite for any other classes, it does provide a foundation for them.
- **103 Construction Blueprint Reading**
Learn how to Read architectural, structural, civil, mechanical and electrical blueprints. Practice looking up information and solving common construction problems by reading the blueprints.
- **105 Estimating and Bidding 1**
The first of two hands-on detailed estimating courses in which students learn how to estimate general conditions, site work, excavation, concrete and masonry. Be sure to look over the prerequisites for this class..
- **106 Estimating and Bidding 2**
The second course features hands-on estimating and quantity take off activities associated with Metals, Wood, Doors and Windows, Finishes, Electrical, and Mechanical Estimating. You may take these courses in any order.
- **107 Construction Materials and Processes**
Develop foundational knowledge of construction materials and processes that utilize these materials. One material category, process and system is covered each week. Expand your studies to include materials and processes which are normally encountered by the student in his/her work place.
- **204 Contract Documents and Construction Law**
An overall understanding of construction contract principles, dispute, resolution, public works, mechanics lien and construction law are explored in this class.
- **205 Planning and Scheduling**
Learn and apply basic construction planning and scheduling skills. Prepare bar chart schedules and critical path schedules. Read complex project schedules, and understand the basics of project management by scheduling, Employ schedule acceleration methods.
- **206 Construction Productivity and Cost Management**
Study construction cost and apply principles and practices associated with cost awareness and production control. Students will learn how to calculate and measure worker productivity. Understanding



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worker's abilities and the impact of environmental factors will be studied. This course will be offered in 2016. It combines 206 Cost Awareness and Production Control and 209 Construction Productivity

- **305 Building Green Buildings: The Contractor's Perspective**

The purpose of this course is to provide construction professionals with information that will help them effectively bid, contract, build and close out green building projects. We will explore the green building process from the contractor's and subcontractor's points of view.

Student Testimonials

"I thought this was a great course. One of the best I've taken online. I appreciated that the instructor was present in the class discussions, this was very helpful."

"I really like the way the instructor provided different sources and answered all questions delightfully."

"Great course all around!"

"The greatest strength of the course was the interaction between the students."

"I enjoyed this course. Mr. George led this course well and provoked us with his direction, questions and comments. The textbook was thorough and explanation of the material very well described. It was an easy read and the diagrams and drawings helped me to understand what was written better."

"This course is great and well laid out. I would recommend to anyone interested in a construction career."

"I thought the class went smooth. It was easy to understand and you knew what was expected of you as a student. which is very helpful when taking an online class. I enjoyed it."