

BUILDING CONSTRUCTION TRADES (BCT)

BCT1706 CONSTRUCTION DOCUMENTS (2.00 Credits)

This course is designed to familiarize students with documents used in the construction industry, facets of the construction process, contractual relationships, the relationship of documents to each phase of construction and an overview of the Construction Specifications Institute's (CSI) MasterFormat divisions. At the conclusion of the course, students will have gained the proficiency necessary to pass the Construction Documents Technologist (CDT) certification exam given by the CSI.

Total Contact Hrs: 32.00

Lecture Hrs: 32.00

BCT1743 BUILDING CONSTRUCTION LAW (3.00 Credits)

A study of the legal aspects of construction contracts and the responsibilities arising particularly from the field operations. Also includes relationship of general contractor to owner, architect, and subcontractor; mechanics lien law; bonds; labor law; and other statutes and ordinances regulating contractors.

Total Contact Hrs: 48.00

Lecture Hrs: 48.00

BCT1767C OSHA STANDARDS (3.00 Credits)

Provides awareness of the hazards associated with the construction industry's working environment. Emphasis placed on OSHA regulations and the knowledge to improve the overall safety on a job site. Labwork will acclimate students to common safety gear. Upon successful course completion students receive the OSHA 30 Construction Industry certification card.

Total Contact Hrs: 48.00

Lecture Hrs: 44.00

Lab Hrs: 4.00

Fees: LABORATORY FEE \$10.00

BCT1770 CONSTRUCTION ESTIMATING I (2.00 Credits)

An analysis and determination of building construction costs. Commences with the classification of materials, labor, and subcontracted work into the smallest manageable units. Development of a simple estimate for a residential structure.

Total Contact Hrs: 32.00

Lecture Hrs: 32.00

BCT2040 MEP PLANS INTERPRETATION (2.00 Credits)

This course is designed to develop the student's ability to quickly interpret working drawings. Emphasis is on mechanical, electrical, and plumbing plans, details, and specifications.

Total Contact Hrs: 32.00

Lecture Hrs: 32.00

BCT2710 INFRASTRUCTURE COORDINATION (2.00 Credits)

This course provides the student with an overview of the various agencies related to the construction industry. Special emphasis is on the need for and the manner of coordinating with these agencies. Students will receive exposure to the variety of permits, learn to interface with the agencies in order to coordinate the permit process, and understand how this coordinates with the project.

Total Contact Hrs: 32.00

Lecture Hrs: 32.00

BCT2720C CONSTRUCTION SCHEDULING (3.00 Credits)

Orderly flow of steps from start to finish in a construction project. Basic concepts and techniques of the PERT AND CPM methods of network planning and scheduling will be covered. Course will develop skills necessary to successfully apply the Critical Path Method to the construction industry and answer the critical path problems found on the state certification exam.

Total Contact Hrs: 64.00

Lecture Hrs: 32.00

Lab Hrs: 32.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: BCN1272 (minimum grade: C) and BCT1770 (minimum grade: C)

BCT2760 BUILDING CODES AND REGULATIONS (3.00 Credits)

A rigorous review and study of the Florida Building Code as it applies to structures and safety. For professionals employed as inspectors, architects, engineers and contractors.

Total Contact Hrs: 48.00

Lecture Hrs: 48.00

2 Building Construction Trades (BCT)

BCT2771 BUILDING CONSTRUCTION ADVANCED ESTIMATING (3.00 Credits)

Estimating more advanced elements of building construction. Students will learn to calculate direct, indirect, and overhead costs, as well as prepare bid proposals and related documents for commercial buildings.

Total Contact Hrs: 64.00

Lecture Hrs: 48.00

Lab Hrs: 16.00

Complete all the courses in the following option:

- Prerequisite: BCT1770 (minimum grade: C)