



Course Description

BCT2990 | CBE Building Construction Specialist | 1.00 – 18.00 credits

This course is designed to assess learner mastery of the competencies and skills necessary for a successful career in the Construction Industry. It provides a foundation in pursuing a career in building inspection and quality control. The course offers a sequence of coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed for further education and careers; provides technical knowledge and skills proficiency, and includes competency-based applied learning that contributes to the academic knowledge, occupation-specific skills, and knowledge of all aspects of the Architecture and Construction career cluster.

Course Competencies:

Competency 1: Students will demonstrate the ability to follow plans and schedules by:

1. Demonstrating the ability to draw and interpret engineering and architecture scales in both residential and commercial site plans, mechanical, electrical and plumbing drawings (PLO1)
2. Demonstrating knowledge of materials including wood and masonry construction for residential and commercial applications (PLO3)

Competency 2: Students will demonstrate the ability to check, examine, and record by:

1. Demonstrating the ability and knowledge to formally estimate both residential and commercial jobs, including the measuring, calculating and pricing of design, labor and materials (PLO2)

Competency 3: Students will demonstrate problem solving & decision-making skills and teamwork by:

1. Demonstrating professional business practices and workplace office procedures (PLO4)

Learning Outcomes:

- Formulate strategies to locate, evaluate, and apply information
- Use computer and emerging technologies effectively
- Demonstrate an appreciation for aesthetics and creative activities