

# Alexandria Technical and Community College

## CARP 2635: Estimating

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 2

Lab Hours/Week: 1

OJT Hours/Week: \*.\*

Prerequisites:

This course requires both of these prerequisites

CARP 1510 - Framing and Construction I (Number of Years Valid: 5)

CARP 1538 - Framing and Construction II (Number of Years Valid: 5)

Corequisites: None

MnTC Goals: None

Students estimate materials and labor for residential construction from the foundation through the finishing. This course presents the theory that residential construction is a highly competitive business, and the success or failure of any builder begins with the accuracy of his/her cost estimate for each individual job. Prerequisite: CARP1510 and CARP1538.

**B. COURSE EFFECTIVE DATES:** 12/05/1997 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Understand the use of excel in estimation.
2. Identify foundation costs.
3. Identify framing costs.
4. Estimate exterior finishes.
5. Estimate and understand stair systems.
6. Understand building codes.
7. Identify and explore direct and indirect cost.
8. Understand subcontracts
9. Understand bidding, proposal, and estimating contracts.

### D. LEARNING OUTCOMES (General)

1. The learner will identify and estimate foundation systems.
2. The learner will identify and estimate wall, floor, and roof systems.
3. The learner will identify and estimate finish systems.

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted