

# Alexandria Technical and Community College

## CARP 2620: Computerized Architectural Drafting

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

CARP 1641 - Architectural Drafting (Number of Years Valid: 5)

Corequisites: None

MnTC Goals: None

This course introduces students to Computer Assisted Design and Drafting (CADD) using Chief Architect. Basic commands and software techniques, materials lists, and eventual estimation of a project are covered. Learners draft small scale projects, single family dwellings, and multilevel living drawings. Prerequisite: CARP1538 and CARP1641.

**B. COURSE EFFECTIVE DATES:** 01/10/2006 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Perform drawing techniques on wall sections
2. Perform drawing techniques of windows and doors
3. Demonstrate use of product codes
4. Demonstrate the use of dimension tools
5. Create roof styles
6. Prepare material take offs
7. Demonstrate 3D modeling capabilities.
8. Create floor plan drawings
9. Identify tools needed for computerized drafting

### D. LEARNING OUTCOMES (General)

1. The learner will create computerized drawings of floors, walls, doors, windows and roofs.
2. The learner will create computerized floor plans and 3D drawings.
3. The learner will understand the use of product codes, dimension tools and material takeoffs.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted