Alexandria Technical and Community College

MACH 2617: Introduction to CAD

A. COURSE DESCRIPTION

Credits: 1
Lecture Hours/Week: *.*
Lab Hours/Week: 2
OJT Hours/Week: *.*

Prerequisites:
This course requires the following prerequisite
   MACH 1625 - Blueprint Reading/Geometric Tolerancing II (Number of Years Valid: 5)

Corequisites: None

MnTC Goals: None

This course teaches the basic principles of Computer Aided Design (CAD). Topics include principles of lines, circles, arcs, and splints. Prerequisite: MACH1625.

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

C. OUTLINE OF MAJOR CONTENT AREAS

1. Identify the purpose of CAD in machining.
2. Create 3D designs using CAD software.
3. Create and modify blueprints using CAD software.

D. LEARNING OUTCOMES (General)

1. The learner will demonstrate knowledge in the basic principles of CAD.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted