Alexandria Technical and Community College

MACH 1540: Milling I

A. COURSE DESCRIPTION
   Credits: 4
   Lecture Hours/Week: 1
   Lab Hours/Week: 6
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: MACH 1530
   MnTC Goals: None
   This course provides hands-on experience in the use and care of milling machines and accessories.

B. COURSE EFFECTIVE DATES: 04/26/2021 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   1. Demonstrate proper shop safety using milling machines.
   2. Display proper milling set up techniques.
   3. Demonstrate proper milling processes.
   4. Demonstrate proper usage of milling tools.
   5. Apply blueprint reading skills to milling projects.
   6. Perform proper maintenance on milling machines.
   7. Perform inspection of machined part during milling process.
   8. Demonstrate effective problem solving skills.

D. LEARNING OUTCOMES (General)
   1. The learner will understand theories and machining operations.
   2. The learner will be able to effectively demonstrate machining fundamentals on milling machines.
   3. The learner will be able to demonstrate and inspect mill projects.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted