Alexandria Technical and Community College

MACH 1627: Milling II

A. COURSE DESCRIPTION
   Credits: 3
   Lecture Hours/Week: *.*
   Lab Hours/Week: 6
   OJT Hours/Week: *.*
   Prerequisites:
   This course requires either of these prerequisites
   MACH 1620 - Milling I
   MACH 1540 - Milling I (Number of Years Valid: 5)
   Corequisites: MACH 1626 and MACH 1628 and MACH 1626 and MACH 1628
   MnTC Goals: None
   This course is an extension of MACH1540.

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

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

D. LEARNING OUTCOMES (General)
   1. The learner will demonstrate proper knowledge of tool selection as well as proper feeds and speeds.
   2. The learner will demonstrate proper use of milling machines to manufacture parts for given prints.
   3. The learner will demonstrate proper use of milling machines using advanced setup techniques and safety.

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

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted