Alexandria Technical and Community College

MACH 1621: Grinding I

A. COURSE DESCRIPTION
   Credits: 3
   Lecture Hours/Week: *.*
   Lab Hours/Week: 6
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   In this course, the learner receives hands-on experience in the use and care of surface grinders and their accessories. Corequisite: MACH1619 and MACH1620.

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

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

D. LEARNING OUTCOMES (General)
   1. The learner will demonstrate proper use of a surface grinder and basic setups for safety.
   2. The learner will demonstrate proper use of a surface grinder and basic setups for safety.
   3. The learner will demonstrate proper use of a surface grinder and basic setups for 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