Alexandria Technical and Community College

MACH 1624: Shop Math I

A. COURSE DESCRIPTION
   Credits: 2
   Lecture Hours/Week: 2
   Lab Hours/Week: *
   OJT Hours/Week: *
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   This mathematics unit teaches the use of formulas as they pertain to geometric shapes. Plain and angular indexing of the dividing head and tapers and the formulas associated with them are also included.

B. COURSE EFFECTIVE DATES: 05/17/1999 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   1. Explain machining and measurement nomenclature.
   2. Learn how to read different measuring instruments.
   3. Learn how to use different machining formulas.
   4. Use and apply Pythagorean Theorem in machining processes.

D. LEARNING OUTCOMES (General)
   1. The learner will understand fractions, and decimals related to machining
   2. The learner will define and understand right triangles.

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

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted