Alexandria Technical and Community College

WELD 1604: Math I

A. COURSE DESCRIPTION
   Credits: 2
   Lecture Hours/Week: 2
   Lab Hours/Week: *.*
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   In this course, the learner reviews and practices basic mathematical problems using whole numbers, fractions, decimals, algebra, and geometry. This course is a prerequisite to WELD1633.

B. COURSE EFFECTIVE DATES: 12/30/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   1. Evaluate expressions involving fractions, decimals, and whole numbers.
   2. Translate applied problems into mathematical expressions.
   3. Perform calculations related to basic geometric shapes.
   4. Apply principles of algebra.
   5. Convert between various units of measurement.
   6. Understand and apply the Pythagorean Theorem.

D. LEARNING OUTCOMES (General)
   1. The learner will demonstrate skills in shop application of basic mathematical calculations.
   2. The learner will demonstrate knowledge of math problem solving calculations using equations.

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

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted