MATH1000 - Technical Mathematics

Credits:	3 (3/0/0)
Description:	This course presents basic mathematical topics as they are applied in a technical program. The course includes a review of basic mathematical operations and continues with the development of algebraic and trigonometric skills in a technical setting. Most concepts will be applied through course-specific problems. This course is not an MnTC Goal Area 4 mathematics course, nor does it prepare students for taking an MnTC Goal Area 4 mathematics course.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Review basic mathematical operations involving whole numbers, decimals, fractions, signed numbers, percents and order of operations. 2. Perform metric system conversions and apply to program-specific problems. 3. Solve basic linear equations. 4. Manipulate formulas. 5. Solve and apply variation problems. 6. Demonstrate usage of a scientific calculator. 7. Identify appropriate geometric formulas to solve perimeter, area and volume applications. 8. Solve basic right triangle trigonometry application problems. 9. Formulate solutions to program-specific problems.
MnTC goal areas:	None

**Can be taking as a Prerequisite or Corequisite.*

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