

## 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:	<ol style="list-style-type: none"><li>1. Review basic mathematical operations involving whole numbers, decimals, fractions, signed numbers, percents and order of operations.</li><li>2. Perform metric system conversions and apply to program-specific problems.</li><li>3. Solve basic linear equations.</li><li>4. Manipulate formulas.</li><li>5. Solve and apply variation problems.</li><li>6. Demonstrate usage of a scientific calculator.</li><li>7. Identify appropriate geometric formulas to solve perimeter, area and volume applications.</li><li>8. Solve basic right triangle trigonometry application problems.</li><li>9. Formulate solutions to program-specific problems.</li></ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.