

## ENGT1118 - Construction and Manufacturing Math

Credits:	3 (3/0/0)
Description:	This course covers the application of common geometric and trigonometric calculations related to the construction and manufacturing industries.
Prerequisites:	<ul style="list-style-type: none"> <li>• MATH0055</li> </ul>
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> <li>1. Solve metric-standard conversions.</li> <li>2. Solve decimal-surveying angular conversions.</li> <li>3. Calculate material values from given unit quantities.</li> <li>4. Solve proportions containing one variable.</li> <li>5. Solve basic equations containing one variable.</li> <li>6. Calculate material quantities and costs from given conditions.</li> <li>7. Solve for unknowns of right triangles.</li> <li>8. Solve for unknowns of oblique triangles.</li> <li>9. Calculate area, volume and perimeter from given conditions.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.