

RANKEN

TECHNICAL COLLEGE

COURSE INFORMATION

Course Number: PMT 1010

Course Name: Mathematics for the Machine Trade

CREDIT-BY-ASSESSMENT (CBA) COMPETENCY LIST

- Possess the skills required to solve problems applicable to the machine trade that contain common fractions and decimal fractions, ratios, proportions, and percentages.
- Apply knowledge of measuring tools commonly used in machining to verify part dimensions.
- Demonstrate the ability to read and interpret blueprints of mechanical parts.
- Demonstrate the ability to find the areas and volumes of common geometric figures.
- Apply the fundamentals of trigonometry to everyday machining problems.
- Understand how to calculate common machining formulas to determine dimensions and tolerances.