RANKEN
TECHNICAL COLLEGE

Course Information
Course Number: PMT 1011
Course Name: Computer Numerical Control Theory

Credit-By-Assessment (CBA) Competency List
- Identify and explain the use of the Cartesian coordinate system used for programming computer numerical control (CNC) machinery.
- Demonstrate the ability to apply the alphabetical coding system ("G" and "M" codes) used to program computer numerical control mills and lathes.
- Understand the difference between absolute and incremental positioning.
- Possess the skills required to write CNC programs on a personal computer.
- Identify machine controls required to program and operate a computer numerical control machine.
- Demonstrate the ability to calculate common machining formulas.