Minnesota State
Community and Technical College

MCDD2248 - CNC Application

Credits:	3 (1/2/0)
Description:	The objective of this course is to develop the student's knowledge of computer numerical control components and basic programming codes.
Prerequisites:	• CADD1114 • MCDD1106
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Interpret machine movements in the XYZ planes. 2. Analyze point-to-point programming. 3. Analyze continuous path programming. 4. Utilize incremental programming modes. 5. Utilize absolute programming modes. 6. Write comprehensive linear interpolation programs for part toolpathing. 7. Write comprehensive circular interpolation programs for part toolpathing. 8. Utilize CAD/CAM software to generate part toolpathing. 9. Utilize virtual computer numerical control environment to analyze programs for functionality.
MnTC goal areas:	None

Can be taking as a Prerequisite or Corequisite.