Machine Technology CNC Programmer AAS Degree - 71 credits

Program Area: Integrated Manufacturing Machine Tool (Fall 2021)

******REMEMBER TO REGISTER EARLY******

Program Description

The CNC Machine Programmer program is designed to prepare the student for employment as a CNC Machinist/-Programmer. Skill development includes performing basic floor programming to produce a part to specifications, setup and operation of CNC machines, instruction in inspection and statistical process control, and program parts designed using a CAD/CAM computer system.

Program Outcomes

- Perform a basic setup and operate different types of manual metal working machines
- Write basic programs and operate different types of CNC metal working machines
- Perform mathematical calculation of shop problems
- Use basic CAD and CAM computer programs to generate CNC programs to be used on machine tools
- Interpret all basic drawings and blueprints
- Build basic machine parts and tools

Pre-program Requirements

Successful entry into this program requires a specific level of skill in the areas of English, mathematics, and reading. Program entry will depend, in part, on meeting the prerequisites listed below:

English/Reading:

- Eligible for ENGL 1106 – College Composition I, or

Required Courses

Number	Name	Credits	Term
CADE 1468	SolidWorks I	3	
INMG 1400	Introduction to Manufacturing Technology	4	
INMG 1410	Mechanical Blueprint Reading	3	
INMG 1420	Design Application Concepts I	3	
WLDG 1560	Gas Metal Arc Welding I	3	
MTCC 1603*	Turning	2	
MTCC 1604*	Milling	2	
INMG 1412*	Advanced Mechanical Blueprint Reading	3	
MTCC 1432	Quality Methods	2	
MTCC 1505*	Surface Grinder	2	
MTCC 1620			

Machine Technology CNC Programmer AAS Degree - 71 credits

Program Area: Integrated Manufacturing Machine Tool (Fall 2021)

******REMEMBER TO REGISTER EARLY******