

2023-24 ACADEMIC PROGRAMS

2023-2024 MACHINE TOOL PROGRAMMING (CNC) (CTMTP)

Description

In this program, students will learn to write, read, and edit programs for CNC machine tools. They will understand core canned cycles for milling and turning operations on CNC machine tools and have the skills to do 2D and 3D modeling and posting of CNC code using CAD/CAM software. Students completing this certificate will be able to create, edit, and debug code for local manufacturing companies.

Admissions Requirements

Completion of Machine Tool Setup and Operations certificate or comparable course or work experience. Academic Math Level 4 is required for NCT 121 and NCT 221.

Course Requirements

Major/Area Requirements

Class	Title	Minimum Credits
NCT 120	Introduction to 2D CAD CAM Programming and Applications	2
NCT 121	Manual Programming and NC Tool Operation	4
NCT 123	2D CAD CAM CNC Programming for Mills and Lathes	2
NCT 221	Advanced Manual Programming and NC Tool Operation	4
Total		12

Total Credits Required: 12

Accurate as of 02/16/2024 Information is subject to change without notice.