CNC 226: CNC Automation

This course focuses on the basic principles and methodology of the automation/reobotics as it pertains to CNC machining operations. Students receive instruction on safety, uses of automation in CNC, and programming of robots/automation. Students also learn how to integrate and operate the CNC machine with the robot/automation set-up. Upon completion, students will be able to identify the components of a robot automation set-up and describe methods of integration into the CNC equipment. They should be able to demonstrate how to program and operate a CNC machine tool using an automated production system.

Credits: 3
Transfer Code: Code C
Lab Hours: 4
Lecture Hours: 1
Prerequisites:
As determined by college
Program: Computerized Numerical Control
Semester Offered:
Fall
Spring
Summer