



NUMERICAL CONTROL TECHNOLOGY

• Associate of Applied Science

About The Program

Progressive, technologically modern companies need well-trained operators and programmers. Students learn modern technological methods of computer numerical control (CNC) machine tool operation, as well as in writing and editing of CNC machine programs. They also learn practical skills such as: machine setup, cutter diameter and length compensation setting, and on-site modification of existing programs. This program offers extensive hands-on machine shop training demanded by industry.

Career Potential

- Advanced Manufacturing

Admission Requirements

Students are admitted to the program each semester. Students must have Program approval, a completed application, and other required information submitted by the due date. If there are openings after the application deadline, remaining openings will be filled on a “first-come” basis.

Individuals interested in the Numerical Control Technology program are required to fulfill the following requirements:

- Fulfill all WCCCD admission requirements.
- Declare their intent to enter the Numerical Control Technology program on the WCCCD Application for Admission or change their intent within the Admission Office.
- Course placement requirements based on COMPASS test results.
- Students must complete WCCCD Program Application during the semester they are enrolled in NC 111, Numerical Control Concepts and submit to the Campus Academic Officer.
- Students must complete all core course work with a grade of “C” or better to meet graduation requirements.

Associate of Applied Science Degree Requirements

SEMESTER I

DRT 101	Blueprint Reading	3
ENG 119	English I	3
MAN 100	Shop Equipment & Tools	3
NC 111	Numerical Control Concepts	3
TOTAL CREDITS		12

SEMESTER II

DRT 102	Fundamentals of Mechanical Drawing	4
ENG 134	Technical Communications	3
MAN 110	Manufacturing Processes I	3
NC 222	CNC Machining & Programming I	3
TOTAL CREDITS		13

SEMESTER III

MAT 121	Technical Mathematics I	3
NC 230	CNC Machining Center Operation & Graphics I	3
NC 231	CNC Turning Center Operation & Graphics I	3
PS 101	American Government	3
TOTAL CREDITS		12

SEMESTER IV

CAD 101	Fundamental of Computer Aided Drafting	4
DRT 115	Geometric Dimensioning Tolerancing	2
NC 234	CNC Machining & Programming II	3
NC 235	CNC Machining & Graphics II	3
TOTAL CREDITS		12

SEMESTER V

Elective		3
NC 240	CNC Turning Center Operation & Graphics II	3
Natural Science Elective		3
Social Science Elective		3
TOTAL CREDITS		12

PROGRAM TOTAL CREDITS 61

* Program totals may not include prerequisite work.

District Office

801 West Fort Street
Detroit, MI 48226

General Information Number:
(313) 496-2600

Career Program Hotline:
1-800-300-2118

Information Website:
www.wcccd.edu

E-mail:
info@wcccd.edu

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