



Computer Automated Design C.C.

Curriculum Code: 1799

Effective: Fall 2021 – Summer 2026

Description

This certificate provides an introduction to manufacturing principles and prepares individuals to pursue entry-level employment and advanced training in automation design. Students receive instruction in the use of two-dimensional engineering design graphics, computer numerical control programming, manufacturing processes, tools for production, and engineering changes. Employment possibilities include entry-level positions in engineering firms, consulting firms, and manufacturing companies that make automotive, defense, special machinery, and medical components, to name a few.

Contact Information

Contact the Trades Technology Program, West Campus Building, Room M103, telephone number 517-483-5338, or Student Services West Campus, West Campus Building, Room M106, telephone number 517-267-5452.

Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
METD 110	Mechanical CAD Drafting I	4 / 6
METD 111	Mechanical CAD Drafting II	4 / 6
METD 150	Industrial Blueprint Reading	3 / 3
METM 100	Manufacturing Processes	3 / 4.5
METM 108	Machine Tool Operations	4 / 6
METS 115	Intro to Mechanical Systems	4 / 6

Total Credit Hours

22 credits / 31.5 billing hours

Recommended Course Sequence

Semester I	Semester II
METD 110	METD 111
METD 150	METS 115
METM 100	
METM 108	