

ADVANCED MANUFACTURING CAREER ROADMAP

MCCC CAREER MAJOR

REQUIRED COURSES

Manufacturing Operations
Machine Operations
CNC Programming and Machining
Industrial Maintenance

COLLEGE CREDIT

Students have the opportunity to earn college credit in this program.

GOALS

Earn High School Diploma
Earn Industry Certifications

MCCC INDUSTRY CERTIFICATIONS*

Milling CNC
Haas Basic CNC Lathe Operator
Haas CNC Basic Mill Operator
OSHA 10-HR General Industry
CPR / First Aid
Pre-Apprenticeship (ApprenticeOhio)

JOB PLACEMENT | INTERNSHIPS

Mold Operator
Apprentice Machinist
Material Inspector
Machinery Mechanic

TECHNICAL CAREERS

ASSOCIATE DEGREE

CNC Machining & Composite Manufacturing
Integrated Systems Engineering Technology
Manufacturing/Industrial Engineering Technology
Mechanical Engineering Technology
Operations Engineering Technology
Millwrighting

ADVANCED CERTIFICATIONS

Automation Maintenance Technician
Computer Aided Drafting
Computer Integrated Manufacturing
Machine Tools Operation
Mechatronics
Quality Control

JOBS WITH WORK EXPERIENCE & ASSOCIATE DEGREE

Production Technician
Tool & Die Maker
Machinist
Industrial Engineering Technician
Engineering Technician
CNC Machine Shop Supervisor

PROFESSIONAL CAREERS

BACHELOR DEGREE*

Advanced Manufacturing Engineering Technology
Mechanical Engineering Technology
Mechanical Engineering
Automated Manufacturing Engineering Technology

MASTER DEGREE*

Mechanical Engineering
Industrial Engineering

DOCTORAL DEGREE*

Engineering: Thermal-Fluid Sciences
Mechanics, Materials, Controls and Manufacturing

EXTENSIVE WORK EXPERIENCE*

Manufacturing Engineer
Materials Engineer
Industrial Production Manager
Industrial Engineer
Mechanical Engineer
Engineering Department Supervisor

*Students who meet certification criteria will have the opportunity to test in their CT program.



Your College & Career



*Examples only. Degrees and work experience options are extensive.