

Engineering Technologies & Design

Career Roadmap

MCCC Career Major

Required Courses

Engineering Design
Computer Integrated Manufacturing
Plan Reading
Engineering Principles
Engineering Capstone

College Credit

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

Goals

Earn High School Diploma
Earn Industry Certifications

MCCC Industry Certifications*

Autodesk Inventor [Mechanical Design]
Autodesk Revit [Architectural Design]
Auto CAD [Design and Drafting]
KUKA Robot Programming
OSHA 10-HR General Industry
CPR First Aid
Pre-Apprenticeship [ApprenticeOhio]

Job Placement | Internships

Early Placement and Summer Internship opportunities are available in this program.

Technical Careers

Associate Degree

Adv. Manufacturing Engineering
Technology, Operations Engineering
Technology, Electrical / Electronic
Engineering Technology, Engineering
Technology Programs, Engineering
Management, Bio-Medical Engineering
Technology, Surveying

Advanced Certifications

3D Digital Design & Manufacturing
Technology
Automated Maintenance Technician
Computer-Integrated Manufacturing
Electronic Engineering Technician
Mechatronics and Quality Control

Jobs with Work Experience & Associate Degree

Industrial Maintenance Technician
Machine Operator such as Press, Tool
Room, Utility, EDM, CAD Operator
/ Drafter, CNC Operator, Inventor
Designer, Maintenance Manager, Quality
Technician, Apprenticeship

Professional Careers

Bachelor Degree*

Aerospace Systems Engineering,
Biomedical Engineering, Chemical
Engineering, Civil Engineering, Computer
Engineering, Corrosion Engineering,
Electrical and Mechanical Engineering,
Land Surveying

Master Degree*

Engineering Management, Electrical
Engineering, Civil and Mechanical
Engineering, Engineering in Project
Management, Business Administration

Doctoral Degree*

Project Management: Business, Doctor of
Education: Engineering, Business
Administration: Management of
Engineering & Technology, Strategy
& Innovation, Doctorate of Systems
Engineering & Applied Sciences

Extensive Work Experience*

Senior Project Engineer, Mechanical Design
Engineer, Programmer & Engineering
Process Developer, Civil Structural Engineer,
Environmental Engineer Project Manager

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

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



Your College & Career

