

ADVANCED MANUFACTURING

PRECISION MACHINING

[MVCTC.COM/PM](https://mvctc.com/pm)

PROGRAM OVERVIEW:

- Learn to analyze specifications, set up and operate machine tools, fit and assemble parts, make and repair dies
- Study paper drawings, SolidWorks, operating a drill press, milling machines, lathes, surface grinding, and computer numeric control (CNC)
- **College Opportunity** - Articulated Credit - Sinclair College
- **ODE Approved, Industry-Recognized Credential Opportunity** - Manufacturing Skill Standards Council (MSSC) Certified Production Technician; Ohio State Apprenticeship Council Recognized Pre-Apprenticeship Program Certificate
- **Work-Based Learning Opportunity** - Advanced Placement or Pre-Apprenticeship



OHIOMEANSJOBS.COM CAREER PATHWAYS

CAREER NAME	OHIO AVERAGE HOURLY WAGE
Tool and Die Makers	\$28
Computer Numerically Controlled Machine Tool Programmers	\$28
Mechanical Engineers	\$40



Ohio Average Hourly Wage is from 2024-2025.

ADVANCED MANUFACTURING

PRE-ENGINEERING

[MVCTC.COM/PE](https://mvctc.com/pe)

PROGRAM OVERVIEW:

- Discover the diverse areas of engineering and careers related to engineering
- Learn engineering design, fabrication (additive manufacturing/3D printing, CNC programming, laser engraving), C-programming for robotics and control applications, and digital electronics
- Learn Autodesk Inventor Professional and Autodesk Fusion 360
- Projects include 3D printed models and assemblies, laser cut and engraved products, CNC projects, autonomous robots, programmed embedded-control applications
- **College Opportunity** - Articulated Credit - Sinclair College
- **ODE Approved, Industry-Recognized Credential Opportunity** - Autodesk Inventor Professional Certified User, Autodesk Fusion 360 Certified User
- **Work-Based Learning Opportunity** - Advanced Placement



OHIOMEANSJOBS.COM CAREER PATHWAYS

CAREER NAME	OHIO AVERAGE HOURLY WAGE
Engineering Technologist and Technicians	\$32
Mechanical Engineers	\$40
Electrical Engineers	\$47

Ohio Average Hourly Wage is from 2024-2025.

