

# 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.*

