

ADVANCED MANUFACTURING

PRE-ENGINEERING

MVCTC.COM/PE

PROGRAM OVERVIEW:

- Discover the diverse areas of engineering and careers related to engineering
- Learn engineering design, fabrication (additive manufacturing/3D printing, laser engraving), electrical applications which include Arduino, and digital electronics
- Learn Autodesk AutoCAD Professional, Autodesk Inventor Professional, and SOLIDWORKS
- Projects include 2D and 3D-printed models and assemblies, laser-cut and engraved products, control and electrical applications with Arduino, and Python programming
- **College Opportunity** - Articulated Credit - Sinclair College
- **ODE Approved, Industry-Recognized Credential Opportunity** - Autodesk AutoCAD Certified user, and CSWA (Certified SOLIDWORKS Associate)
- **Work-Based Learning Opportunity** - Advanced Placement



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Potential Careers

- Engineering Technologist & Technicians
- Mechanical Engineers
- Electrical Engineers

