MIAMI VALLEY CAREER TECHNOLOGY CENTER

Pre-Engineering

www.mvctc.com/pe

PROGRAM OVERVIEW:

- Explore different types of engineering careers while learning how engineers design, build, and test real projects.
- Develop projects using 2D and 3D modeling, 3D printing, laser engraving, and electrical systems such as Arduino and digital electronics.
- Use professional software such as AutoCAD, Inventor, SOLIDWORKS, and Python programming to prepare for college-level engineering work.
- College Credit Opportunities: Career-Technical Credit Transfer (CT)²/CTAG; Articulated Credit through Sinclair College
- Industry-Recognized Credential Opportunities:
  - Autodesk Inventor Certified User Certification
  - AutoCAD User
  - Certified SolidWorks Associate (CSWA)
- School-to-Work Opportunities

POTENTIAL CAREERS:

- Mechanical or Electrical Engineer Technician
- Civil Engineer
- Mechanical Engineer
- Electrical Engineer

**Some careers listed require additional education, training, or licensing after high school.*



Career-Technical Student Organizations (CTSO):

SkillsUSA®