

# ENGINEERING TECHNOLOGIES



Study at:

**PONITZ**

**Entry-level  
pay in Ohio  
\$26-29  
per hour**

## Career Pathways

\*Additional education may be required

- Engineer- Civil, Mechanical, Electrical
- Manufacturing Engineer
- Quality Engineer

## Opportunities

### Credentials

SolidWorks Associate  
AutoDesk Inventor  
OSHA 10-hour

### Work-Based Learning

Job Placement  
CTSO Competitions

### College Credits

Earn up to 10 credits through  
Sinclair Community College

## Courses:



**Grade  
10**

- Engineering Design



**Grade  
11**

- Engineering Principles
- DC Circuits



**Grade  
12**

- Computer Integrated Manufacturing
- Capstone

## Essential Skills

- Written communication
- Oral communication
- Safety awareness
- Physical strength/mobility
- Finger/Hand dexterity
- Visual acuity
- Reasoning skills

## Academic Skills

### Applied Mathematics

- Use engineering type formulas
- Read/understand mathematical symbols
- Use algebraic formulas (Ohm's Law)



### Workplace Documents

- Read/understand technical manuals
- Read/use engineering terminology
- Read/use blueprints and schematics

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