

ROBOTICS ENGINEERING



Study at: **MEADOWDALE**

**Entry-level
pay in Ohio
\$14-28
per hour**

Career Pathways

*Additional education may be required

- Systems Operator
- Mechanical Engineer
- CNC Programmer
- Robotics Technician
- Maintenance and Repair Work

Opportunities

Credentials

FANUC Handling, Tool Operation & Programming
Motoman Basic Programming w/ Material Handling
Allen Bradley/Rockwell Automation PLC
FANUC Certified CNC Machining Center
SolidWorks Associate

Work-Based Learning

Job Placement
CTSO Competitions

College Credits

Earn up to 9 credits through
Sinclair Community College

Courses:

**Grade
10**

- Manufacturing Operations

**Grade
11**

- Industrial Robotics
- Industrial Maintenance

**Grade
12**

- CNC
- 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
- Work with troubleshoot