**Introduction to Engineering Design**

**Counts as Directed Elective for ALL Diplomas**

**9th Grade**
- **Industrial Automation & Robotics I**

**10th Grade**
- **Industrial Automation & Robotics I or II**

**11th Grade**
- **Industrial Automation & Robotics II or III**

**12th Grade**
- **Additional C4 classes that would enhance employment**
  - Precision Machining
  - Welding

Potential careers for pathway:

**Entry Level High School Graduate**:
- Production Worker
- Fabricator

**Entry Level College Graduate**:
- Mechanical Engineer Technician
- Electro-Mechanical Technician
- Mechanical or Materials Engineers

**Experienced**:
- Senior Mechanical or Materials Engineers
- Operations Managers
- Industrial Production Managers

Degree Options:

- **Ivy Tech Associate Degrees**
  - Advanced Automation & Robotics Technology

- **Purdue Polytechnic Institute**
  - Robotics Engineering Technology

- **IUPUC Bachelor Degree**
  - Mechanical Engineering

High School Certifications Available: OSHA General Industry
Dual Credit Available – Ask about current options