



## **AUTOMATION AND PRODUCTION TECHNOLOGY**

### **AT RIDGE CAREER CENTER**

#### **Learn:**

- Solidworks 3d modeling
- Rapid Prototyping
  - CNC Router
  - 3d Thermoplastics Printer
- Plc Programming
  - Rs logix 500
  - Cxone
- HMI / SCADA Development
  - Wonderware Development Studio
- Robotic Programming in Melfa Basic IV
- Industrial Pneumatics
- Quality Control Basics
- Production Control Basics
- Lean Manufacturing Basics

Automation and Production Technology is a 600 hour course that focuses on the skills needed to thrive in today's advanced manufacturing setting.

Students spend about 60% of their time in our hands on lab honing their skills as manufacturing technicians. Our lab features breakout stations to isolate each of the following skill areas: Industrial Pneumatics, Industrial Sensors, PLC Control / Programming, Industrial Motor Control, Quality Control, and Engineering Design. Our lab also features a nine (9) station flexible manufacturing process in which students get hands on experience designing, setting up and running an advanced manufacturing process that incorporates electro-pneumatics, mechanical and robotic systems.

#### **Earn:**

MSSC CPT Certification

This can articulate into up to 15 credit hours in an engineering technology program at any state college.

