Agricultural Power & Engineering

PATHWAY DESCRIPTION

The Agricultural Power and Engineering program is a three (3) course program of study that provides students with the mathematical, scientific, and engineering principles and methods required to understand dynamic power systems and metal fabrication. Students practice real world applications, communication skills, and problem solving skills associated with dynamic power systems and metal fabrication. Students are prepared for a variety of careers including engineering, welding technician, mechanical and industrial technician, maintenance technician, mechanical engineer, metal fabrication, CNC operator, power technology repair and troubleshooting, and green energy technologies.

Sequence of Courses:
- Fundamentals of Agricultural Power and Engineering
- Agricultural Welding and Fabrication
- Power and Mechanical Systems

Early College Credit/Credentials:
- NCSCR Credentialled Craft Professional's Training – Core Curriculum
- OSHA 10-Hour Training for Construction
- NCSCR Credentialled Craft Professional's Training – Welding Level
- Advanced Standing in Polytech and Sussex Tech Adult Education Programs

Work-Based Learning:
- Job Shadowing
- Mock Interviews
- Resume Workshops
- Mentorships

Certificate
Certificate Wage: $34,470
Farm Equipment Mechanics and Service Technicians
Polytech Adult Education
Sussex Tech Adult Education

Associates Degree
Associates Wage: $42,910
Agricultural and Food Science Technicians
Delaware Technical Community College

Bachelor's Degree
Bachelor's Wage: $56,310
First-Line Supervisors of Farming, Fishing, and Forestry Workers

Where to find this Pathway:
- Dover High School
- Lake Forest High School
- Smyrna High School
- Sussex Central High School

Ready to get started?
Visit the website for more information:
Delaware Pathways
DELAWAREPATHWAYS.ORG