



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:

NCCER Credentialed Craft Professional's Training – Core Curriculum
OSHA 10-Hour Training for Construction
NCCER Credentialed 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

Jobs and Salary ranges are sources from the U.S. Department of Labor

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:



DELAWAREPATHWAYS.ORG

