



Agricultural Structures & Engineering

PATHWAY DESCRIPTION

The Agricultural Structures & Engineering program of study is a three (3) course Career & Technical Education (CTE) instructional program designed to provide students with the scientific principles and methods required to understand the interrelationships of construction. Students practice real world applications and problem solving skills associated with agricultural designs and engineering principles. Students utilize problem solving as well as communication skills to develop engineering concepts and building practices that are sound and reliable. The program prepares students for a variety of careers including carpentry, engineering, architectural design, electrical, plumbing, masonry, construction framing, business management, sales, building maintenance, home improvement, and green energy technologies.

Sequence of Courses:

Fundamentals of Agricultural Structures and Engineering
Structural Systems in Agriculture
Essential Skills in Agricultural Structures and Engineering

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:
\$71,060

First-Line Supervisors of Construction Trades and Extraction Workers

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

Where to find this Pathway:

Sussex Central High School
Milford High School
Smyrna High School
Woodbridge High School

Ready to get started?

Visit the website for more information:



DELAWAREPATHWAYS.ORG

