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

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:
DELAREPATHWAYS.ORG