# Engineering
## PATHWAY DESCRIPTION

In the Project Lead The Way (PLTW) Engineering program of study, students engage in open-ended problem solving, learn and apply the engineering design process, and use industry-leading technology and software. Students apply math, science, and engineering standards to hands-on projects. They work both individually and in teams to explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research and design while learning strategies for design process documentation, collaboration, and presentation.

## Pathway Courses

Introduction to Engineering Design

Principles of Engineerng

*And one of the following:*

Civil Engineering & Architecture

Digital Electronics

Engineering Design & Development

## Early College Credit & Certifications

Advanced Standing at 150 Colleges

Up to 7 credits at Del Tech

Up to 3 credits at Del State

## Work-Based Learning

Hands-on Learning
Industry-Mentored Projects
Guest Speakers
Career Panels
Paid Internships

### CERTIFICATE

Annual Salary Range:
**$35,000 - $75,000**

Aircraft Mechanic
A/V Equipment Technician
HVAC Technician

Del Tech

### ASSOCIATES DEGREE

Annual Salary Range:
**$55,000 - $75,000**

Aerospace Engineering Technician
Architectural Drafter

Del Tech

### BACHELORS DEGREE

Annual Salary Range:
**$90,000 - $146,000**

Industrial Engineer
Mechanical Engineer
Architectural * Engineering Manager

University of Delaware
Delaware State University

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

## Where to find this Pathway:

**NEW CASTLE**
- Christiana High School
- Dickinson High School
- Hodgson High School
- Glasgow High School
- Newark Charter High School
- Appoquinimink High School
- Middletown High School
- Smyrna High School

**KENT**
- Polytech High School

**SUSSEX**
- Sussex Academy of Art & Science
- Indian River High School

## Ready to get started?

Visit the website for more information:

**DELAWAREPATHWAYS.ORG**