



Architectural Engineering Technology PATHWAY DESCRIPTION

The Architectural Engineering Technology (AET) program of study is a three (3) course Career & Technical Education (CTE) instructional program of study that engages students in the world of construction and architecture through coursework focusing on site selection, drafting, architectural, and engineering planning, budgeting, cost estimating, production, permits, contracting, work timetables, and project management. Students utilize strategies to solve open-ended problems while they learn how to apply technical skills, knowledge, documentation techniques, and processes using modern, industry-leading technology and software. Work-based learning experiences and industry-mentored projects will introduce students to a wide array of careers such as architects, civil engineers, construction management, cost estimators, and drafters. The AET program of study will lead to students earning AutoCAD and Revit certification, dual enrollment for up to 10 credits from Delaware Technical and Community College (Delaware Technical Community College), and advanced skills in product data management (PDM) and building information modeling (BIM).

Sequence of Courses:

Foundations of Technology
Processes of Architecture and Construction
Architectural CAD
Applications

Early College Credit/Credentials:

Certified User Revit
Certified User AutoCad
Up to 10 college credits at Delaware Technical Community College

Work-Based Learning:

Job Shadowing
Mock Interviews
Resume Workshops
Mentorships



Certificate

Certificate Wage:
\$41,460

Surveying and Mapping Technicians

Delaware Technical Community College



Associates Degree

Associates Wage:
\$45,810

Civil Engineering Technicians



Bachelor's Degree

Bachelor's Wage:
\$90,410

Civil Engineers

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

Where to find this Pathway:

A.I. DuPont High School
Caesar Rodney High School
Design Thinking Academy
Dover High School



Ready to get started?

Visit the website for more information:



DELAWAREPATHWAYS.ORG

