Engineering Design

Industry Sector: Engineering and Architecture

What is it?

The Engineering Design pathway provides learning opportunities for students interested in preparing for careers in the design and production of mechanical, electrical, and computer systems.

Projected Employment: 840 - 3,530

Occupations

Civil Engineers

Average Salary: $109,680
Planning, designing, and overseeing construction and maintenance of building structures, and facilities such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation projects, piplines, power plants, and water and sewage systems.

CADD Drafting and Design Technology

Average Salary: $63,320
Apply technical skills and advanced computer software and hardware to the creation of graphic representation and simulations in support of engineering projects. Includes two-dimensional and three-dimensional engineering design, solids modeling, engineering animation, and computer-aided drafting (CAD).

Architectural and Engineering Manager

Average Salary: $175,010
Plan, direct, and coordinate activities in such fields as architecture, engineering, or research and development. Manage the coordination and overall integration of technical activities in architecture or engineering projects.

Courses in This Pathway

- Introduction to Engineering and Architecture
- Intermediate Engineering Design
- Advanced Engineering Design

Arroyo High School

El Monte High School

Engineering Students at Work

Scan the QR code for photos of Engineering pathway students!