

CAREER PATHWAY

ENGINEERING DESIGN

Sample Beginning National Salary Ranges

Architectural Drafting
\$20,381- \$45,660

Engineering Technology
\$19,167- \$57,389

Drafting Technology
\$23,689- \$53,022

Surveying & Mapping
\$46,481– 66,836

Other Engineering Technology
\$438,983- 8\$82,080

Education Level & Related Occupations

High School

CAD technicians
Drafting Apprentice
Apprentice Electrician
Design/Drafting Apprentice

Certificate and/or AA degree

Drafter/Designer
Estimator
Computer Networking Tech.
Drafter/Designer

Bachelors

Architect, Civil Engineer
Computer Engineer
Structural Engineer

The world's future will be propelled by ideas that will be developed by those working in the Engineering & Architecture industry sector. As the population continues to grow, engineers and architects will be called upon to imagine the future and turn it into reality. This sector is designed to provide a foundation in engineering, architecture, and design.

Traits and skills necessary for success in this industry

Are You?

- Good at math (*creating new designs, new ideas*)
- A good problem solver (*analytical skills*)

Do You?

- Like to work collaboratively
- Have innovative ideas
- Pay attention to detail
- Like to work as part of a team and have a strong work ethic

Engineering Design

The Engineering Design pathway provides learning opportunities for students interested in preparing for careers in the design and production of visual communications.

Sample occupations associated with this pathway

- Mechanical/Electrical Drafter
- Design Engineer
- Manufacturing Design Engineer
- Project Architect

SDA Pathway Courses

- Robotics & Engineering Tech
- Metals 1 and 2
- Advanced Engineering Techniques
- Enrichment– Team Paradox (Robotics)

