

ENGINEERING & DESIGN

Do you enjoy math and science? Do you like solving problems?
Do you enjoy designing and building things?

Look around you...

Almost everything you can see was designed by engineers or designers before being constructed. High-rise buildings, bridges and space ships require the expertise of architects, engineers and designers. If you're interested in being part of something like designing a condo on the beach, or a ship, airplane or electronic device, consider a career in engineering or design.

What It Takes:

- Strong math, science and communication skills
- Focus and attention to detail
- Being organized
- Interested in solving problems
- Enjoy working on a team

Check Out This Cool Career...

Civil Engineer

Working in one of the largest branches of engineering, civil engineers deal with buildings, bridges, dams, roads and other structures. They plan, design, and supervise the construction of facilities such as high-rise buildings, airports, water treatment centers and sanitation plants. In the near future, civil engineers will design the special rail beds for the magnetic levitation trains of tomorrow.

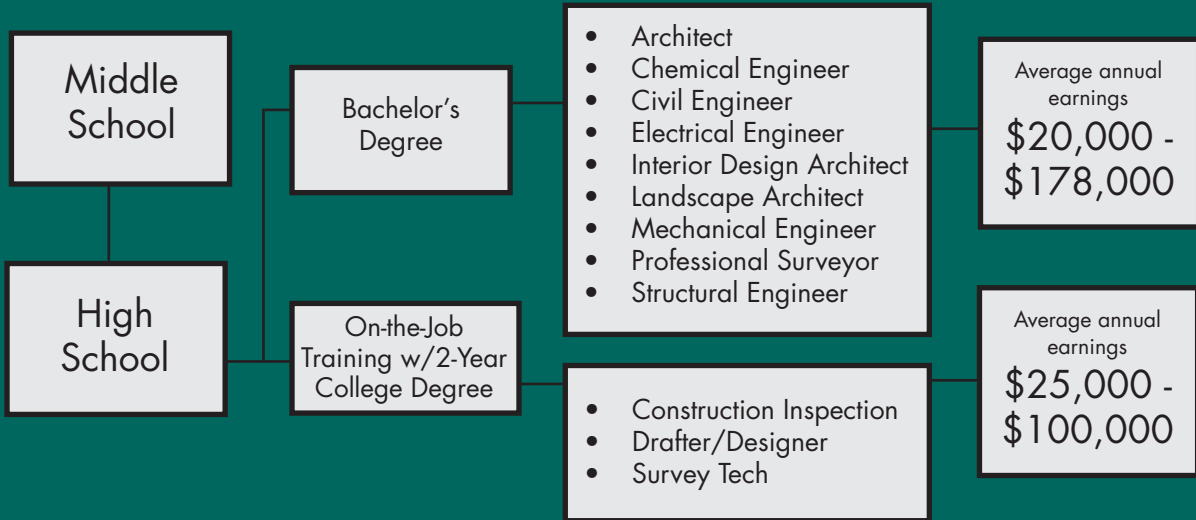
High-Wage, High-Demand Careers in Engineering & Design

Occupation:	Education Required:	Average Annual Salary:
Architect	Bachelor's Degree	\$56,000 – \$144,000
Landscape Architect	Bachelor's Degree	\$42,000 – \$107,000
Chemical Engineer	Bachelor's Degree	\$73,000 – \$178,000
Civil Engineer	Bachelor's Degree	\$51,000 – \$133,000
Structural Engineer	Bachelor's Degree	\$51,000 – \$133,000
Electrical Engineer	Bachelor's Degree	\$61,000 – \$156,000
Mechanical Engineer	Bachelor's Degree	\$64,000 – \$143,000
Professional Surveyor	Bachelor's Degree	\$31,000 – \$88,000
Interior Design Architect	Bachelor's Degree	\$20,000 – \$79,000
Junior Designer	Associates Degree/Bachelor's Degree	\$40,000
Senior Designer	Associates Degree/Bachelor's Degree	\$62,500
Art Director	Associates Degree/Bachelor's Degree	\$67,500
In-House Creative Director	Associates Degree/Bachelor's Degree	\$70,000
Agency Creative Director	Associates Degree/Bachelor's Degree	\$100,000
Drafter/Designer	OJT/Community College	\$34,000 – \$63,000
Survey Tech	OJT/Community College	\$25,000 – \$75,000
Construction/Inspection	OJT/Community College	\$34,000 – \$72,000
User Experience Designer		\$80,000
Self Employed Designer		\$60,000
Design Firm Owner/Principal/Partner		\$120,000

*OJT = On-the-Job Training

Salary ranges are provided by the Alabama Department of Labor.

Career Paths in Engineering & Design



Engineering & Design Partners



Pumps & Process Equipment



All worlds represented in this career expo require employees to be drug free.