

How to Become an Engineer



If you enjoy being science and math, are good at solving technical problems, are creative, are independent, and enjoy building things you might want to be an engineer.

Take as many science and math classes as possible. Also look for summer camps and volunteer opportunities to get experience in the field.

Most entry level engineer jobs require a Bachelors degree and state certification. However further education and training can lead to new opportunities

Masters and other training

Higher Engineer jobs

Continued education and training

Engineers must continue their education and training to stay up todate with current technology.

Entry Level Engineer jobs

College

Bachelor's degree in engineering or engineering technology

Look for internships and other related summer experience

High School

Middle School

Attend science camps and other outdoor opportunities



* Different organizations may have more or less requirements for engineers. This is a generalized example to get you started on the right path.

Engineer Job Description:

There are a number of different kinds of engineers including civil, electrical, environmental, and marine engineers. All of these apply the principles of science and mathematics to come up with solutions for technical problems. Many engineers develop new products and work in testing, production, or maintenance of different machines. Most engineers work in offices, labs, or industrial plants with few chances to get outdoors. There are opportunities for engineers all around the state with a variety of organizations.

Pay Range:

\$40,000 - \$130,000

Location:

Throughout Alaska

Schools in Alaska that offer degrees for engineering careers:

- University Alaska Fairbanks
- University of Anchorage

Where to look for work:

- Military bases - Elmendorf etc
- Construction agencies
- North Slope work
- National Oceanic and Atmospheric Administration
- Telecommunication agencies

Places to find more information:

- Organizations websites
- Future Alaskans Website - summer opportunities, internships, camps, jobs, etc.
(<http://www.sfos.uaf.edu/future>)
- Job boards (some examples):
 - <http://www.jobs.state.ak.us>
 - <http://www.sfos.uaf.edu/jobs>
 - <http://www.alaskajobfinder.com>

