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.

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

**Entry Level Engineer jobs**

Bachelor's degree in engineering or engineering technology
Look for internships and other related summer experience

**College**

Attend science camps and other outdoor opportunities

**Middle School**

Attend science camps and other outdoor opportunities

**High School**

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

**Continued education and training**

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

**Masters and other training**

**Higher Engineer jobs**

* 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

Where to look for work:
- Military bases - Elmendorf etc
- Construction agencies
- North Slope work
- National Oceanic and Atmospheric Administration
- Telecommunication agencies

Schools in Alaska that offer degrees for engineering careers:
- University Alaska Fairbanks
- University of Anchorage

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