Consider a Career in Engineering

Engineers design structures, machines, devices, materials, systems, and processes

Aerospace Engineers – Agricultural Engineers – Biomedical Engineers
– Chemical Engineers – Civil Engineers – Electrical Engineers
– Mechanical Engineers – Materials Engineers – Industrial Engineers
– Electronics Engineers – Computer Hardware Engineers

What do Engineers have to say about their work?

"I enjoy the challenge and reward of finding the best solution to a difficult problem."
-Jeremiah Hess, Engineering Associate

Learn more about Engineering
– Join an engineering club
– Enter an engineering contest or competition
– Interview someone about their job in engineering
– Research careers and find college and training program information on QualityInfo.org in the "Jobs & Careers" and "Training & Education" sections

Looking for more information on STEM occupations?
Contact Lmipubs@oregon.gov to order copies of the STEM brochure series, offered for the following occupations:
– Biological Science – Health Care
– Computer Information Systems – Mathematics
– Computer Science – Physical Science
– Drafting and Surveying – Social Science
– Engineering

You can also view these brochures on the Publications page in the Posters & Brochures section at www.qualityinfo.org/pubs.

Need help?
The Oregon Employment Department (OED) is an equal opportunity agency. OED provides free help so you can use our services. Some examples are sign language and spoken-language interpreters, written materials in other languages, large print, audio, and other formats. To get help, please call 503-947-1444. TTY users call 711. You can also send an email to communications@employ.oregon.gov.
Engineers change the way we live

They...

Build electronic devices that diagnose and treat diseases

Create filtering systems that purify water in developing countries

Design automotive technologies that improve passenger safety

Develop clean fuel sources to reduce pollution
**What do Engineers have to say about their work?**

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-Jeremiah Hess, Engineering Associate*

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ENGINEERING

Do you enjoy...

- Designing things
- Working in a team
- Solving problems
- Analyzing data

Develop products, processes, and technologies that solve architectural, manufacturing, environmental, and other scientific problems.

With a career in Engineering you could...

- Build robots
- Design cars
- Construct bridges
- Develop new materials

Engineers design or improve many types of products including:

- Household appliances
- Medications
- Food crops

Engineers are in demand. Employment is expected to grow, with thousands of new jobs being added over the next few years.

MYTH Engineering is too difficult. I’ll never be able to learn it.

REALITY Engineering is challenging, but it is definitely DOABLE.

As with any job, engineering requires years of training and experience to build up the right skill set.

Useful classes to prepare for college...

- Math: Algebra, Calculus, Geometry
- Physics
- Statistics
- Drafting
- Electronics
- Computer-Assisted Design
- Computer Science

After high school, here’s the education you’ll need to succeed:

The minimum education needed to work in engineering is a bachelor’s degree. More job opportunities will be available to those who get a master’s degree.

Starting Salaries begin around $60,000-$70,000 per year, up to $90,000 or MORE with several years experience.
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