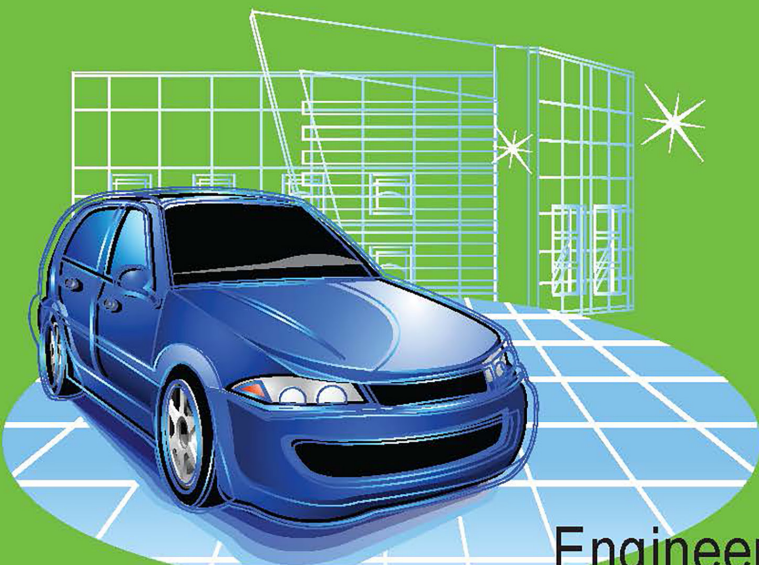


Consider a Career in Engineering



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.”

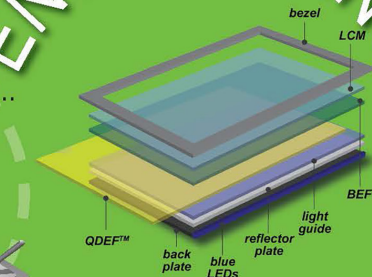
-Jeremiah Hess, Engineering Associate*





ENGINEERING

Do you enjoy...



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

With a career in *Engineering* you could...



Build robots



Develop new materials



Design cars



Construct bridges

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	Science	History	Language Arts	Physical Education	Art	Music	Health	Other
Algebra I	Biology	World History	English I	Physical Education	Art	Music	Health	Other
Geometry	Chemistry	U.S. History	English II	Physical Education	Art	Music	Health	Other
Algebra II	Physics	European History	English III	Physical Education	Art	Music	Health	Other
Calculus	Environmental Science	AP World History	English IV	Physical Education	Art	Music	Health	Other
Statistics	Computer Science	AP U.S. History	English V	Physical Education	Art	Music	Health	Other
Drafting	Computer-Aided Design	AP European History	English VI	Physical Education	Art	Music	Health	Other
Electronics	Computer Science	AP Computer Science	English VII	Physical Education	Art	Music	Health	Other
Computer-Aided Design	Computer Science	AP Computer Science	English VIII	Physical Education	Art	Music	Health	Other
Computer Science	Computer Science	AP Computer Science	English IX	Physical Education	Art	Music	Health	Other

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.

Engineers

change the way we live

They...

Build electronic devices that
diagnose and treat diseases

Create filtering systems that purify wa-
ter in developing countries

Design automotive technologies that
improve passenger safety

Develop clean fuel sources to reduce
pollution



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 at QualityInfo.org on the “Publications” page in the Posters & Brochures box.



The Oregon Employment Department is an equal opportunity employer/program. Auxiliary aids and services are available upon request to individuals with disabilities. Language assistance is available to persons with limited English proficiency at no cost.

El Departamento de Empleo de Oregon es un programa que respeta la igualdad de oportunidades. Disponemos de servicios o ayudas auxiliares, formatos alternos y asistencia de idiomas para personas con discapacidades o conocimiento limitado del inglés, a pedido y sin costo.