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# real people in computer science and engineering

Eastern Oregon University (EOU), www.eou.edu  
Oregon Institute of Technology (OIT), www.oit.edu  
Oregon Health & Sciences University (OHSU), affiliate, www.ohsu.edu  
Oregon State University (OSU), www.oregonstate.edu  
Portland State University (PSU), www.pdx.edu  
Southern Oregon University (SOU), www.sou.edu  
University of Oregon (UO), www.uoregon.edu  
Western Oregon University (WOU), www.wou.edu

Each of the campuses of the Oregon University institutions offer engineering degrees, computer science degrees or both. Community colleges and private colleges in Oregon also offer good ways to get started in these fields. Find out more at GetReal.ous.edu or to to:

## Colleges

Want to make your engineering future real? The first thing to do is to start looking around and exploring what different kinds of engineering have to offer. On the GET REAL website, you can explore software engineering, civil engineering, bio and biomedical engineering, electrical engineering, chemical engineering, mechanical engineering, and more.

## Make it Real

# Make a difference in a real way: Design your engineering career in Oregon

**Question:**  
If you were to imagine your ideal career, what shape would it take?



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The next city tram

Computer games that teach

Remote cameras for surgery

Solar energy

Open here for the engineering palette ▼

# Question:

If you were to imagine your ideal career, what shape would it take?

Design your own computer science or engineering career!

## engineering palette

On my dream job I'd want to...

- Contribute to the Oregon and the world in solid ways
- Use creativity to improve lives
- Discover solutions to real problems
- Make good money
- Create and design the next cool thing
- Know people and what they need
- Solve interesting puzzles
- Be in a cutting-edge field
- Work with cool, creative people
- Work with people all over the world
- Be challenged every day
- Connect my work with community needs
- Have fun with what I do
- Lead by innovating for the future

A few things I'd love to do...

- Design remote cameras for surgery
- Engineer bridges for the 21st century
- Improve solar energy
- Make sure the Eiffel Tower stays up
- Create software for people with disabilities
- Engineer portable music technology
- Design bicycle wheels for Olympic cyclists
- Increase farmers' harvests
- Develop computer games that teach
- Make the best wind turbines
- Create safe water straws for 3rd world countries
- More... go to GetReal.ous.edu

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.... picture the difference I make here

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Engineering students who are part of Portland State University's **Engineers Without Borders** are making a difference for the quality of local water sources and streams in Oregon. These inspired engineers have worked together at Growing Gardens in Northeast Portland to test three designs for rain barrel watering systems. With the information gathered, they will soon have an effective design for rain water collection barrels that can be used by local gardeners to conserve water, reduce demand on sewer systems, and keep local streams clean.



## real money

Looking for a future with a real salary? You can make a great living as a computer scientist or engineer in Oregon. Your salary will depend on factors such as your college degree, the position you are hired for, how long you've worked, and the type of organization. Below are mean average salaries for Oregonians in a few promising fields.

- Computer Application, Software Application Engineers: **\$85,470**
- Computer System Software Engineers: **\$91,910**
- Biomedical Engineers: **\$63,450**
- Chemical Engineers: **\$86,760**
- Civil Engineers: **\$69,940**
- Computer Hardware Engineers: **\$86,490**
- Electrical Engineers: **\$80,870**
- Environmental Engineers: **\$74,240**
- Mechanical Engineers: **\$73,150**

Source: Bureau of Labor Statistics, May 2007