



BY THE NUMBERS

966

undergraduate students

37

faculty

\$7.9M

research expenditures

\$2.4M

scholarships awarded

Based on data as of Sept. 1, 2019.



Oregon State
University

COLLEGE OF ENGINEERING

CHEMICAL, BIOLOGICAL, AND ENVIRONMENTAL ENGINEERING

Undergraduate Programs

Chemical engineers, bioengineers, and environmental engineers meld multiple disciplines to impact every corner of society. With this knowledge, you could harness energy, create things like new microchips, develop life-saving medicines or artificial organs, improve recycling processes, or increase the quality of our food supply. The School of Chemical, Biological, and Environmental Engineering grew out of one of the oldest and most respected chemical engineering departments in the western United States, established in 1917. The curriculum emphasizes comprehensive coursework alongside top-ranked faculty and hands-on research and career experience. You'll graduate with industry-relevant skills, ready to fuse science and creativity to create a more sustainable, efficient, and healthier world.

BIOENGINEERING

Bioengineers combine the principles of biology, chemistry, and engineering to develop new biologics, materials, devices, and processes. Bioengineers are in demand, with career opportunities in the pharmaceutical and food and beverage industries, alternative energy research, and medical device fabrication and testing.

CHEMICAL ENGINEERING

Chemical engineers focus on the science and engineering of processes to convert raw materials into high-value chemicals and products such as electronics, biofuels, synthetic fibers, polymer composites, advanced ceramics, medicines, and medical devices. Career opportunities can be found in a variety of industries, including pulp and paper, food and beverages, semiconductors, specialty chemicals, and petroleum and alternative energy.

ENVIRONMENTAL ENGINEERING

Environmental engineers apply science and engineering principles to improve the natural environment, ensure the quality of land, air, and water, and remediate polluted sites. Environmental engineers have career opportunities in industry, private consulting firms, and government agencies at the local, state, and federal level.



JOBS AND INTERNSHIPS

See how engineering works in the real world. Take advantage of internships and other job opportunities, both on campus and with our industry partners. In addition to gaining practical work experience, you'll make professional contacts, and many internships lead to full-time job offers after graduation.

The school hosts career receptions each fall and winter term, offering students the opportunity to network with local and regional industry recruiters, attend employer information sessions, and participate in on-campus interviews. Additional employer information sessions are held throughout the year.

The school also sponsors career treks, which include tours of the facilities of industry partners throughout the region, and a job shadowing program that pairs students with an engineer working in their field of interest.

Career and internship counseling, including interview prep and resume workshops are available to all undergraduates in the college.

SCHOLARSHIPS AND FINANCIAL SUPPORT

Thanks to generous donations from alumni and industry partners, all College of Engineering programs offer scholarship support in addition to university-level scholarships. As an incoming first-year student, you are automatically considered for all available scholarships when you complete the scholarship application included with your application for admission to Oregon State.

UNDERGRAD RESEARCH OPPORTUNITIES

Even as an undergrad, you can make real contributions to faculty research projects and collaborate with graduate students and fellow undergrads across campus or at other universities.

In addition, you can pursue a project of your own. Some students receive grant funding for their research and even publish their findings before they graduate. Your research can also earn you the distinction of OSU Undergraduate Research Fellow, with a notation on your transcript.

Our students have participated in Research Experiences for Undergraduates sponsored by the National Science Foundation, and our school has hosted its own REUs on campus.

The Pete and Rosalie Johnson Undergraduate Internship Program offers a summer stipend to support a paid internship or research after your first year. You can work in research labs at Oregon State or at partner institutions such as Oregon Health & Science University.

CLUBS AND ACTIVITIES

Learn new skills, make an impact through humanitarian projects, and put your ideas to the test in national and international competitions.

Choose from a variety of clubs, societies, and other organizations in the College of Engineering, many of which are student chapters of professional associations you may join during your career:

- » American Institute of Chemical Engineers
- » Biomedical Engineering Society
- » Chemical, Biological, and Environmental
- » Engineering Student Club
- » Engineers Without Borders
- » Society for Biological Engineering
- » Society of Women Engineers
- » Tau Beta Pi Engineering Honor Society

OREGON STATE UNIVERSITY

As Oregon's leading public research university, Oregon State's impact reaches across the state and beyond.

With campuses in Corvallis and Bend, the OSU Portland Center, the Hatfield Marine Science Center in Newport, 11 academic colleges, and research and extension centers across the state, Oregon State has a presence in every one of Oregon's 36 counties, with a statewide economic impact of \$2.714 billion.

COLLEGE OF ENGINEERING

Our college endeavors to create solutions that promote strong economies, healthy people, and a sustainable natural environment. Our program has a long history of producing world-class engineering graduates who make major impacts on society through significant contributions in science and technology. Alumni achievements include breakthrough innovations such as a revolutionary artificial heart valve, the computer mouse, and the concept of email.

By emphasizing practical, experiential engineering within our curriculum, we equip students with the knowledge, skills, and passion to advance innovative solutions to today's most complex engineering challenges in an inclusive environment.

CORVALLIS, OREGON

A beautiful college town nestled in the heart of the Willamette Valley, Corvallis is consistently ranked among the top 10 college towns in the nation and is known for innovation, education, entertainment, and overall livability. Corvallis embodies the spirit of the Northwest, with beautiful landscapes, friendly citizens, and an outstanding quality of life.

School of Chemical, Biological, and Environmental Engineering

Oregon State University

116 Johnson Hall

Corvallis, OR 97331

541.737.4791 | cbee.oregonstate.edu