

# FACT SHEET

Corvallis, Oregon  
[engineering.oregonstate.edu](http://engineering.oregonstate.edu)

Scott A. Ashford  
Dean and Kearney Professor

The College of Engineering at Oregon State University delivers impactful learning experiences that inspire solutions to complex global problems. We leverage mutually beneficial partnerships with industry, academic institutions, government, and other entities to foster collaboration; encourage synergies in teaching, research, and innovation; and strengthen Oregon's future by commercializing faculty and student inventions.

Founded in 1889, the College of Engineering has awarded more than 35,000 degrees, resulting in sustained contributions to society and science. For example, achievements include inventing the first artificial heart valve, the computer mouse, and the concept of email.

## VISION

To create a better future

## MISSION

The College of Engineering transforms lives and enhances society through impactful education and research. In an inclusive and open environment, we produce:

- » Graduates who are highly valued and in demand.
- » Solutions to global challenges.
- » Partnerships that ensure responsiveness to Oregon and beyond.

## DEGREE PROGRAMS

### Undergraduate Majors

- » Bioengineering
- » Chemical Engineering
- » Civil Engineering
- » Computer Science
- » Construction Engineering Management
- » Ecological Engineering
- » Electrical and Computer Engineering
- » Environmental Engineering
- » Industrial Engineering
- » Manufacturing Engineering
- » Mechanical Engineering
- » Nuclear Engineering
- » Radiation Health Physics

### Undergraduate Minors

- » Humanitarian Engineering

### OSU Cascades Undergraduate Majors

- » Computer Science
- » Energy Systems Engineering

### Graduate Majors

- » Biological and Ecological Engineering
- » Chemical Engineering
- » Civil Engineering
- » Computer Science
- » Electrical and Computer Engineering
- » Environmental Engineering
- » Industrial Engineering
- » Materials Science
- » Mechanical Engineering
- » Medical Physics
- » Nuclear Engineering
- » Radiation Health Physics
- » Robotics

## SCHOOLS

### Chemical, Biological, and Environmental Engineering

The school is a leader in innovative education and research within the process engineering sciences, emphasizing the collaborative integration of chemical, biological, and environmental engineering principles. With a commitment to educating career-ready graduates, the school is home to undergraduate programs in chemical engineering, bioengineering, and environmental engineering; and graduate programs in chemical engineering and environmental engineering. Research focuses on emerging technologies and educational models for a sustainable future, including advanced materials, microtechnology, renewable energy, biomaterials/biosensors and therapeutics, water treatment, and environmental remediation.

### Civil and Construction Engineering

Dedicated to advancing knowledge in the built environment to better serve Oregon and the world, faculty research and teaching interests include the planning, design, and construction of sustainable, resilient, and safe infrastructure systems. With a commitment to providing meaningful classroom experiences and hands-on experiential learning, the school offers undergraduate degrees in civil engineering and construction engineering management; and graduate engineering programs in coastal and ocean, construction, engineering education, geomatics, geotechnical, infrastructure materials, structural, transportation, and water resources. With world-class facilities, such as the nation's largest nearshore experimental lab at an academic institution, the school garners national attention in its effort to better understand and improve infrastructure resilience in response to natural disasters such as earthquakes and tsunamis.

### Electrical Engineering and Computer Science

The school provides a comprehensive, experiential learning-based education that prepares students to be successful in engineering practice, advanced studies, and research. It has one of the largest graduate programs within the university, with internationally recognized research in the areas of artificial intelligence, energy systems, graphics and visualization, human-computer interaction, materials and devices, mixed signal integration, networking and communications, and security systems. Interdisciplinary collaborations impact areas as diverse as agriculture, athletics, and healthcare. The school also delivers the only post-baccalaureate computer science online program in the nation, and is home to the country's leading open source lab.

### Mechanical, Industrial, and Manufacturing Engineering

Researchers in the school have achieved global prominence in six signature areas – advanced manufacturing; design; production, service and human systems; next-generation materials, and devices; renewable energy and energy sustainability; and robotics. The school offers undergraduate programs in mechanical, industrial and manufacturing engineering at the Corvallis campus and in energy systems engineering at OSU-Cascades in Bend. The school offers graduate programs in mechanical and industrial engineering and administers Oregon State's interdisciplinary materials science and robotics graduate programs. It also delivers a 100-percent online Master of Engineering in Industrial Engineering, with an engineering management option, through Oregon State's nationally top-ranked Ecampus.

### Nuclear Science and Engineering

Housed in Oregon State's Radiation Center, the school has more 1,000 alumni living and working in 12 countries, driving the future of nuclear science worldwide. It is one of only a handful of schools in the country with a research reactor, and also has many other large-scale test facilities unique to Oregon State. Specially designed spaces enable the use and handling of radioisotopes and other sources of ionizing radiation. The school supports research, development, and service programs involving nuclear science and engineering, radiation protection, medical physics, nuclear forensics, and related disciplines.

(Rev. January 2016)

## STUDENTS

(as of fall term, 2015)

Total: 8,265

- » Females: 1,597
- » Males: 6,668
- » International: 1,640
- » Minority: 1,766

Undergraduate students: 6,978

- » Average incoming GPA: 3.55
  - » Average incoming SAT: 1724
  - » Honors College students: 465
- Graduate students: 1,287
- » Average incoming GRE: 1274

## FACULTY

- » Tenured/tenure-track: 168
- » Instructors: 30
- » Research personnel: 61
- » Staff: 69
- » Endowed positions and professorships (>\$250K): 19

## FUNDING

(as of fall term, 2015)

- » Operational budget: \$105.4M
- » Research grants: \$40.3M
- » Annual private giving: \$13.5M
- » Scholarship support: \$1.9M

