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**

We cultivate engineering leaders by providing innovative, hands-on educational experiences. Our pioneering research programs bridge traditional interdisciplinary boundaries and address global challenges while driving economic, social, and environmental prosperity. We foster individual achievement in a collaborative culture that values diversity and the pursuit of excellence.

**DEGREE PROGRAMS**

**Undergraduate**

» 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

**OSU-Cascades**

» Computer Science
» Energy Systems Engineering

**Graduate**

» 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 & DEPARTMENTS

Chemical, Biological & 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 for a sustainable future, including renewable energy, biomaterials and therapeutics, and environmental remediation.

Civil & 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. For undergraduates, the school offers degrees in civil engineering (CE) and construction engineering management (CEM). Industry placement for CEM graduates regularly exceeds 90 percent, while CE graduates go on to work on public engineering projects or continue their academic careers in graduate school before entering professional practice. The graduate program, which accepts master’s- and PhD-degree seeking students, features areas of focus in coastal and ocean engineering, construction engineering, geomatics, geotechnical engineering, infrastructure materials, structural engineering, transportation engineering, and water resources engineering.

Electrical Engineering & Computer Science
The school provides a comprehensive, experiential learning-based education that prepares students to be successful in engineering practice, advanced studies, and research. EECS has one of the largest graduate programs within the university, with internationally recognized research programs in the areas of mixed signal integration, computer graphics and vision, energy systems, intelligent information systems, learning and adaptive systems, materials and devices, security systems, and end users software engineering. Interdisciplinary collaborations impact areas as diverse as agriculture, athletics, and health care. The school also delivers the only post-baccalaureate computer science online program in the nation, and is home to the leading open source lab in the country.

Mechanical, Industrial & Manufacturing Engineering
The school offers programs in mechanical, industrial, and manufacturing engineering at the Corvallis campus and in energy systems engineering at OSU-Cascades in Bend. It also delivers an online Master of Engineering in industrial engineering with an option in Engineering Management and administers OSU’s interdisciplinary materials science graduate program. Six research threads of renewable energy, robotics, advanced manufacturing, next-generation materials, humanitarian engineering, and complex systems design and engineering crosscut the disciplinary programs in MIME as part of its Engineering for Good focus.

Nuclear Engineering & Radiation Health Physics
Housed in the OSU Radiation Center, the department is one of only a handful in the country with a research reactor. The department has many other large-scale test facilities that are unique to Oregon State. The department supports research, development, and service programs involving nuclear science and engineering, radiation protection, and related disciplines. Specially designed spaces enable the use and handling of radioisotopes and other sources of ionizing radiation. Research areas include thermal hydraulics/reactor design, radiation detector design, radiochemistry, computational methods, environmental health physics, and medical physics.

FACULTY
» Tenured/tenure-track: 158
» Instructors: 18
» Research personnel: 66
» Staff: 77
» Endowed positions and professorships (>$250K): 17

STUDENTS
(As of fall term, 2014)
Total: 7,617
» Males: 6,246
» Females: 1,371
» International: 1,533
» Minority: 1,513
Undergraduate students: 6,405
» Average incoming GPA: 3.57
» Average incoming SAT: 1693
Graduate students: 1,212
» Average incoming GRE: 1275

FUNDING
(As of June 2014)
» Operational budget: $89.3M
» Research grants: $31M
» Annual private giving: $14.5M
» Scholarship support: $4.6M