



## BY THE NUMBERS

2016-2017

**1,700**

undergraduate students in 4 majors

**4**

bachelor of science engineering degrees available

**\$3 million**

in scholarships received by MIME students

**17**

engineering-focused student organizations

**55**

tenured/tenure-track faculty

**6**

interdisciplinary areas of research excellence

**\$ 14.1M**

research expenditures



**Oregon State  
University**

## COLLEGE OF ENGINEERING

# MECHANICAL, INDUSTRIAL, AND MANUFACTURING ENGINEERING

## Undergraduate Programs

The School of MIME offers bachelor's degrees in mechanical, industrial, manufacturing, and energy systems engineering; all are accredited by ABET, the recognized U.S. accreditor of college and university programs in applied science, computing, engineering, and technology. These degrees encompass multiple engineering disciplinary options:

### Mechanical Engineering

Learn to design, develop, and improve devices, products, processes, and systems. A mechanical engineering degree can lead to work in almost any type of industry. Our students have learning opportunities beyond core studies through clubs and electives, including world-class car racing, robotics, rocketry, and humanitarian engineering.

### Manufacturing Engineering

Develop and implement high-quality, efficient, and economically viable production processes and systems. Manufacturing engineering students are highly sought-after for available internships. At Oregon State, manufacturing engineering students frequently add industrial engineering as a second major.

### Industrial Engineering

Industrial engineering spans all sectors of industry and government to design and manage complex systems requiring integration of people, processes, and materials. The Oregon State industrial engineering program allows for customized paths, including a business engineering option.

### Energy Systems Engineering

Energy systems engineering focuses on complex energy conversion and distribution systems, improving energy storage systems, and ensuring efficient energy use in building, manufacturing, and processing systems. Housed at the OSU-Cascades campus in Bend, the program combines core mechanical and industrial engineering classes with business and energy management coursework.

For more information, visit  
[mime.oregonstate.edu/academics/undergrad](http://mime.oregonstate.edu/academics/undergrad).

# HOW WE ACHIEVE ENGINEERING EXCELLENCE

## OUTSTANDING ACADEMIC TEAM

School of MIME faculty have achieved global prominence in six signature areas of research excellence: Advanced Manufacturing; Design; Production, Service & Human Systems; Next-Generation Materials & Devices; Renewable Energy & Energy Sustainability; and Robotics.

Our interdisciplinary approach allows us to attract world-class faculty across the core disciplines of engineering, and contribute breakthrough research to engineering's biggest global challenges.

It is a model that suits the needs and minds of our students – they also seek to address global challenges and solve real-world problems.

From the day that you arrive to the day you receive your diploma, the undergraduate advising team helps you meet your program requirements. This team is committed to helping ensure that you progress and graduate as a mindful, purposeful and professionally excellent engineer. We are known for producing work-ready engineers, year after year.

## EXPERIENTIAL LEARNING MODEL THROUGHOUT THE PROGRAM, AND BEYOND

Whether it is job experience, research experience or teamwork and leadership, the School of MIME has developed programs and courses to prepare successful graduates. Many MIME undergrads participate in the Multiple Engineering Co-Op program, or MECOP, which provides two 6-month paid internships at companies located throughout the Pacific Northwest. Students normally enter the program during their junior year.

Capstone Design courses place our students onto teams to solve a real-world R&D project, often sponsored by industry. These projects provide outstanding experiential learning opportunities for MIME seniors – and they are winning arrangements for the sponsor.

Oregon State's Career Development Center organizes two engineering-focused career fairs each year, attracting hundreds of regional and national corporations interested in recruiting our students. Students can also interact with employers at MIME's annual recruiting events, and attend the presentations of companies conducting interviews right on campus. Such companies include Boeing, Intel, Oracle and others.

## INTERNATIONAL OPPORTUNITIES

MIME offers unique opportunities for developing a global engineering skill set. For example, the Humanitarian Engineering minor has required fieldwork that may bring students to places such as Guatemala, Pakistan, India, or Uganda for incredible, life-changing perspectives.

The Atlantis Bachelor Program is a transatlantic program leading to Bachelor's degrees in materials science and mechanical engineering. MIME participants spend a year in Germany completing their materials science degree requirements, and return to Corvallis to complete their final year back at Oregon State.

Global Formula Racing (GFR) is a global collaboration that dominates U.S. and EU Formula racing circles. Students at OSU and Duale Hochschule Baden-Württemberg-Ravensburg in Germany jointly design, build, and test racing vehicles, one at each school, and race at competitions around the world.

# OREGON STATE UNIVERSITY

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

With 11 colleges, 15 Agricultural Experiment Stations, 35 county Extension offices, the Hatfield Marine Science Center in Newport, and OSU-Cascades in Bend, Oregon State has a presence in every one of Oregon's 36 counties, with a statewide economic footprint of \$2.232 billion.

## COLLEGE OF ENGINEERING

With the 11th largest undergraduate engineering enrollment in the nation, 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 civilization through significant contributions in science and technology. Alumni achievements include breakthrough innovations such as the first artificial heart valve, the computer mouse, and the concept of email.

By emphasizing authentic, experiential engineering experiences 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.

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