BY THE NUMBERS
2017-2018

143 Ph.D. students

192 master's students

57 tenured/tenure-track faculty

56% of M.S. and Ph.D. students supported with RA/TA funding

$12.2M research expenditures

MECHANICAL, INDUSTRIAL, AND MANUFACTURING ENGINEERING

Graduate Programs

The School of Mechanical, Industrial and Manufacturing Engineering (MIME) offers master of engineering (M.Eng), master of science (M.S.), and doctoral (Ph.D.) degrees in mechanical engineering, industrial engineering, materials science, and robotics. These majors encompass multiple primary and secondary disciplinary options:

Industrial Engineering
- Advanced Manufacturing
- Engineering Management*
- Human Systems Engineering
- Information Systems Engineering
- Manufacturing Systems Engineering

Mechanical Engineering
- Design
- Mechanics and Materials
- Robotics and Control
- Thermal-Fluid Sciences
- Advanced Manufacturing (secondary option)
- Renewable Energy (secondary option)

Materials Science
- Computational Materials Science
- Structural and Mechanical Behavior
- Electroceramic Materials
- Polymer Materials
- Electronic Materials
- Materials Nanoprocessing

Robotics
- Locomotion
- Artificial Intelligence
- Human-Robot Interactions

Structure of Degrees

Master of Engineering: 45 credits (coursework only)
Master of Science: 45 credits (coursework and research)
Doctoral: 108 credits (coursework and research)

*100% Online Master’s Option

Our online master’s degree in industrial engineering focuses on engineering management. In 2018, it was ranked 26th nationally by U.S. News & World Report. Learn more about the program at ecampus.oregonstate.edu.
WORLD-CLASS RESEARCH
MIME researchers have achieved global prominence in six signature areas of research excellence.

ADVANCED MANUFACTURING
This group focuses on fundamental research as well as the commercially feasible development of manufacturing processes and systems that enable high value products. Specific areas include scalable nanomaterial synthesis and thin-film deposition, powder sintering and injection molding, and additive manufacturing.

DESIGN
This group focuses on understanding and improving the process of design in order to facilitate the creation of groundbreaking technologies. With six active faculty, MIME has one of the largest academic mechanical engineering design research labs in the United States.

ENERGY SYSTEMS AND SUSTAINABILITY
This group focuses on development of breakthrough concepts, energy products, and systems to address critical environmental, societal, and economic issues while informing practices and attitudes toward energy utilization.

NEXT-GENERATION MATERIALS AND DEVICES
This group focuses on the challenges in developing breakthrough, innovative materials with increased functionality. Such research can improve energy productivity and manufacturing processes, reduce waste, and lead to numerous highly functional, high performance materials technologies.

PRODUCTION, SERVICE, AND HUMAN SYSTEMS
This group focuses on the design, integration, and optimization of systems to efficiently integrate people, equipment, and information.

ROBOTICS
This group focuses on design, modeling, and control of robotic systems that observe, move within, interact with, and act upon their environment. Such systems include mobile robots, micro-aerial vehicles, and large active-sensor networks.

ADMISSIONS AND FINANCIAL SUPPORT
We offer a number of graduate fellowships as well as graduate teaching and research assistantships. To be considered for graduate assistantships, the application deadline for fall admission is Dec. 31.

For more information, visit mime.oregonstate.edu/academics/grad.

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 colleges, 15 experiment stations, and 42 extension offices, 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
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 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.