340 graduate students in 4 majors
4 graduate majors, with three degree paths each
> $113K in annual fellowships
79% of M.S. and Ph.D. students supported with RA/TA funding
54 tenured/tenure-track faculty, including 14 NSF CAREER / Young Investigator awardees
6 interdisciplinary areas of research excellence
$ 14.1M research expenditures

MECHANICAL, INDUSTRIAL, AND MANUFACTURING ENGINEERING

Graduate Programs
The School of Mechanical, Industrial and Manufacturing Engineering (MIME) offers master of science (MS), master of engineering (MEng), 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 / Materials
- Robotics and Control
- Thermal–Fluid Sciences
- Advanced Manufacturing (secondary option)
- Renewable Energy (secondary option)

Materials Science
- Computational Materials Science
- Structural / 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)
- Ph.D.: 108 credits (coursework and research)

*100% ONLINE Master’s Option
Oregon State’s College of Engineering offers a master’s degree in industrial engineering online, and in 2017 the program was recognized as being among the best of its kind in the nation. The fully online program, which has a focus on engineering management, is ranked 28th nationally by U.S. News and World Report.
AREAS OF EXCELLENCE: WORLD-CLASS RESEARCH

School of MIME researchers 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.

ADVANCED MANUFACTURING:
The Advanced Manufacturing 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:
Design researchers focus on understanding and improving the process of design in order to facilitate the creation of groundbreaking technologies. With six active faculty, the School of MIME has the largest academic mechanical engineering design research lab in the United States.

PRODUCTION, SERVICE & HUMAN SYSTEMS:
Production, Service & Human Systems research focuses on the design, integration, and optimization of systems to efficiently integrate people, equipment and information.

NEXT-GENERATION MATERIALS & DEVICES:
Next-Generation Materials & Devices research excellence at the School of MIME addresses 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.

RENEWABLE ENERGY & ENERGY SUSTAINABILITY:
Renewable Energy & Energy Sustainability research focuses on development of breakthrough concepts, energy products, and systems to address critical environmental, societal, and economic issues while informing practices and attitudes towards energy utilization.

ROBOTICS:
Robotics researchers focus on design, modeling and control of 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 admissions is December 31.

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