UMaine's ADVANTAGE

- Professors with Ph.D. degrees, not graduate students, teach classes
- State-of-the-art teaching and research facilities
- Undergraduates have the opportunity to do research alongside faculty
- Internships with leading companies including Pratt & Whitney and Woodard & Curran
- Excellent placement rates in top graduate programs
- UMaine's Foster Center for Student Innovation offers courses in innovation engineering

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To apply: umaine.edu

1865 THE UNIVERSITY OF MAINE

COLLEGE OF ENGINEERING

Mechanical Engineering

WHY MECHANICAL ENGINEERING?

Because it's exciting and all-encompassing. You'll learn the engineering aspects of almost everything that moves in the universe, including fluids, solids, thermal systems, robotics, the human body, automotive parts, energy, materials and aerospace technology.

Mechanical engineers play a role in much of what people drive, play with or live in. They design and build engines and artificial muscles, computers and wind turbines, hovercrafts and satellites. It is their responsibility to design devices — from a simple doorknob to a complex space shuttle — whose parts and assemblies function in a safe, reliable, predictable and efficient fashion.

Mechanical engineering students are in demand. With an average starting salary of more than $60,000, UMaine's mechanical engineering students are among the highest-paid graduates in four-year degree programs.

WHY UMAINE?

At UMaine, you will learn how to address some of the most pressing issues of our time, including clean energy, environmental sustainability, efficient transportation and cutting-edge health care technology.

At UMaine, engineering classes are small. Our mechanical engineering program is accredited. UMaine's College of Engineering offers a five-year B.S.–M.B.A. degree with the Maine Business School, as well as a minor in engineering leadership and management. UMaine is home to one of the country's oldest honors programs.

When you become a UMaine mechanical engineering student, you become part of a strong, well-connected network. Our alumni are leaders in energy, public utilities, manufacturing, aerospace technology and transportation, but they also make a mark in business and entrepreneurship. The curriculum and hands-on research opportunities at UMaine give students an advantage in the job market and a strong foundation to pursue a competitive graduate program.

UMaine's American Society of Mechanical Engineers (ASME) coaster car team has won Best Design at the Coaster Car Derby in New Brunswick. The student design team that created UMaine's human-powered submarine placed third in the speed category at International Submarine Races in Maryland. The University of Maine Clean Snowmobile Team has placed fifth in the Society of Automotive Engineers Clean Snowmobile Challenge in Michigan.

RESEARCH OPPORTUNITIES

There are too many undergraduate research opportunities for mechanical engineering students to list here, but undergraduates are able to gain hands-on experience in our biomedical engineering lab, advanced robotics and robotics surgery lab, and inflatable space structures/lunar habitat lab. One of the strengths of the Mechanical Engineering Department is the senior design capstone, a yearlong class in which students gain hands-on experience. Seniors can choose from a variety of design projects, which have included land drones, rescue rovers, remote-controlled aircraft, human powered vehicles, aquaculture data buoys, and hydrofoiling sailboats.

ABOUT UMAINE

The University of Maine, founded in Orono in 1865, is the state's premier public university. It is among the most comprehensive higher education institutions in the Northeast and attracts students from across the U.S. and more than 60 countries. It currently enrolls more than 11,000 total undergraduate and graduate students. UMaine students directly participate in groundbreaking research working with world-class scholars. The University of Maine offers doctoral degrees in 30 fields, representing the humanities, sciences, engineering and education; master's degrees in 85 disciplines; 90 undergraduate majors and academic programs; and one of the oldest and most prestigious honors programs in the U.S. The university promotes environmental stewardship on its campus, with substantial efforts aimed at conserving energy, recycling and adhering to green building standards in new construction. For more information about UMaine, visit umaine.edu.

explore

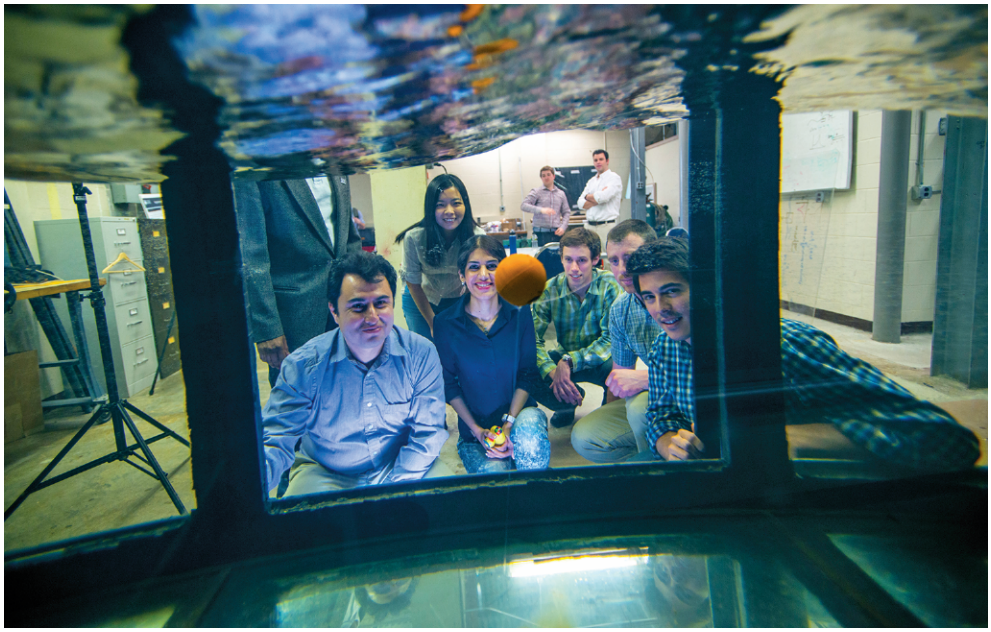
Bachelor of Science in
Mechanical Engineering

Master of Science in
Mechanical Engineering

Minors in
Robotics
Biomedical Engineering
Leadership and Management

Ph.D. in
Mechanical Engineering

Five-Year Master of
Business Administration



Students in UMaine's mechanical engineering program have the opportunity to do real, meaningful, hands-on research alongside faculty members. In addition, students are able to gain real-world experience through a variety of co-ops and internships, both on and off campus.

INTERNSHIPS AND CO-OPS

As part of its co-op program, the Department of Mechanical Engineering collaborates with UMaine's Career Center, which provides advising, mock interviews, resume critiques and more. Mechanical engineering students work with paper companies, semiconductor firms, power plants, manufacturing facilities and other industries in Maine and beyond. These co-ops give our students real-world experience and allow them to refine their career path long before they graduate.

SCHOLARSHIPS

Thanks to the generosity of mechanical engineering alumni and friends, we offer a variety of scholarships and awards annually — most of which cover up to $4,000 in tuition.

HOW DO I APPLY?

Visit umaine.edu for an application, as well as information about academics and life at UMaine.

Accredited ABET Engineering Accreditation Commission
ABET.org

ENGINEERING

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