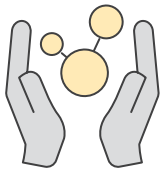


SNAPSHOT

DEPARTMENT OF

MECHANICAL ENGINEERING

UNIVERSITY OF WISCONSIN-MADISON COLLEGE OF ENGINEERING



TOP THINGS TO KNOW

Our seniors complete a two-semester capstone design sequence in which they work in teams to analyze, design, fabricate and test prototypes that address needs of external clients.



We have exceptional faculty who are passionate, engaged, and committed to provide high quality educational experiences for our students, while leading world class research programs. We continue to expand our research in strategic areas such as robotics, aerospace, machine learning, transportation, energy, healthcare, and sustainable manufacturing. These efforts position our faculty to tackle complex societal challenges and make a lasting impact in their fields, across campus, and beyond.



Our alumni are innovative problem-solvers, with analytical and design skills they apply in a broad range of industries, and even careers beyond engineering. They have impact in innumerable ways.

Our students are among the most talented and motivated students on campus, and they extend their engineering education through student organizations, competition teams, co-ops, internships and outreach activities. This energy and vibrancy makes our department special and enables the ME discipline to evolve.

Undergraduates can specialize in Biomechanics, Design, Robotics, or Sustainable Energy.



STUDENT ENROLLMENT

Fall semester 2024

1514 **278**

Undergraduate

Graduate



NATIONAL PUBLIC RANKING

U.S. News & World Report

#13

Undergraduate

#9

Graduate



DEGREES CONFERRED

Conferred year 2023-24

296

Undergraduate

118

Graduate



RESEARCH FUNDING

\$31M+
Annually



PLACEMENT (approximate per year)

94%

Undergraduates placed in a job
or post-graduate studies within a
year of graduation



ACCOMPLISHED FACULTY

7

Recipients of National Science
Foundation CAREER award

50

Tenured or tenure-track faculty



DEGREES OFFERED

BS

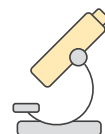
Mechanical Engineering
Engineering Mechanics + Aerospace

MS

Mechanical Engineering: Research
Engineering Mechanics: Aerospace
Engineering
Mechanical Engineering: Accelerated
Mechanical Engineering: Modeling
and Simulation in Mechanical
Engineering
Engineering Mechanics: Research

PhD

Mechanical Engineering
Engineering Mechanics



RESEARCH AREAS

Advanced Manufacturing

Additive Manufacturing • Laser-assisted
Multi-scale Manufacturing • Polymer
Engineering • Ultra-Precision Machining

Biomechanics

Cardiovascular Fluid Dynamics • Traumatic
Brain Injury • Musculoskeletal Biomechanics
and Prosthetics

Energy Systems

Battery Research • Engine Research • Solar
Energy • Thermal Hydraulics • Thermal
Transport • Hydrogen + Decarbonization

Computational engineering

Computational Design • Data-Driven Design
and Simulation • Advanced Computing •
Topological Optimization • Human Centered
Design • Physics based Machine Learning

Robotics controls and sensing

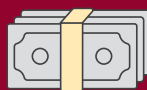
Biomechatronics • Printed Electronics and
Sensors • Autonomous Systems • Legged
Robotics • Aquatic Robots • Biorobotics •
Soft Robotics

Fluid and solid mechanics

Multi-scale Material Modeling • Fluid
mechanics • Computational Mechanics
• Soft Matter • Experimental Mechanics
• Structural Dynamics • Aerodynamics •
Aeroacoustics • Hydrodynamics

RESEARCH FACILITIES

Diesel Engine Research Consortium •
Engine Research Center • Polymer
Engineering Center • Center for Traumatic
Brain Injury • Solar Energy Lab • Wisconsin
Applied Computing Center



STARTING SALARY (approximate per year)

\$76K+

Undergraduate

\$91K+

Graduate

Visit our site



Darryl Thelen

Bernard A. and Frances M.
Weideman Professor and John
Bollinger Chair of Mechanical
Engineering

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**Department of
Mechanical Engineering**
UNIVERSITY OF WISCONSIN-MADISON