College of Engineering
UNIVERSITY OF WISCONSIN–MADISON

SNAPSHOT

2023 v3

DEPARTMENT OF
MECHANICAL ENGINEERING

TOP THINGS TO KNOW

Our students are among the most talented and motivated students on campus, and they extend their mechanical 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.

We have exceptional faculty who are passionate, engaged and committed to evolving our research enterprise to address major challenges involving transportation, energy, healthcare and sustainable manufacturing. Engineering Mechanics joined ME in spring 2023, bringing an incredible roster of new faculty members to our group.

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.

As a department, we're very collegial, and this supportive environment enables us to attract top people in our field and to work collaboratively to address vexing interdisciplinary research problems.

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

STUDENT ENROLLMENT

1400
UNDERGRADUATE

260
GRADUATE

DEGREES CONFERRED

217
UNDERGRADUATE

71
GRADUATE

NATIONAL PUBLIC RANKING
according to U.S. News & World Report

13th
UNDERGRADUATE

9th
GRADUATE

DEGREES OFFERED

BS
- Mechanical Engineering
- Engineering Mechanics +Aerospace

MS
- Mechanical Engineering
- Engineering Mechanics +Aerospace
- Mechanical Engineering: Accelerated
- Mechanical Engineering: Automotive Engineering
- Mechanical Engineering: Modeling and Simulation in ME
- Engineering Mechanics Research

PhD
- Mechanical Engineering
- Engineering Mechanics

STARTING SALARIES AND PLACEMENT*

$72K+
UNDERGRADUATE

$83K+
GRADUATE

$86K+
DOCTORAL

94%
PLACEMENT

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

*approximate per year

$21M+
AVERAGE ANNUAL RESEARCH FUNDING

RESEARCH CENTERS & LABS

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

ACCOMPLISHED FACULTY

8
Engineering Mechanics faculty joined the ME Department in Spring '23

50
tenured or tenure-track faculty

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

Energy Systems
- Battery Research
- Engine Research
- Solar Energy
- Thermal Hydraulics
- Thermal Transport

Computational engineering
- Computational Design
- Data-Driven Design and Simulation
- Engineering Design Research
- Advanced Computing

Robotics controls and sensing
- Biomechatronics, Assistive Devices, Gait Engineering and Rehabilitation
- Printed Electronics and Sensors
- Robotics and Autonomous Systems

Fluid and solid mechanics
- Multi-scale Material Modeling
- Fluid mechanics
- Theoretical and Computational Mechanics
- Soft Matter
- Mechanics of materials

DEPARTMENT CHAIR

Darryl Thelen
Bernard A. and Frances M. Weideman Professor and John Bollinger Chair of Mechanical Engineering
(608) 262-1902
dgthelen@wisc.edu

Visit us on the web.

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