



SNAPSHOT

DEPARTMENT OF MECHANICAL ENGINEERING

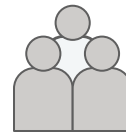
2022 v2



Our ME 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.



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.



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.



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.



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.

STUDENT ENROLLMENT

1080
UNDERGRADUATE

266
GRADUATE

DEGREES CONFERRED

173
UNDERGRADUATE

42
GRADUATE

NATIONAL PUBLIC RANKING

according to U.S. News & World Report

10th
UNDERGRADUATE

7th
GRADUATE

DEGREES OFFERED

BS

Mechanical Engineering

MS

Mechanical Engineering

Mechanical Engineering: Accelerated

Mechanical Engineering: Automotive Engineering

Mechanical Engineering: Modeling and Simulation in ME

PhD

Mechanical Engineering

STARTING SALARIES AND PLACEMENT*

\$70,000+

UNDERGRADUATE

\$81,000+

GRADUATE

\$99,000+

DOCTORAL

93%

PLACEMENT

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

*approximate per year

RESEARCH CENTERS AND 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

17

National Science Foundation
Career Award recipients

40

tenured or tenure-track faculty

\$15.5M

AVERAGE ANNUAL
RESEARCH FUNDING

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, CONTROL AND SENSING

- Biomechanics, Assistive Devices, Gait Engineering and Rehabilitation
- Printed Electronics and Sensors
- Robotics and Autonomous Systems

MECHANICS

- Multi-scale Material Modeling
- Computational Mechanics
- Soft Matter

DEPARTMENT CHAIR



Darryl Thelen

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

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