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.

We have exceptional faculty who are passionate, engaged and committed to evolving our research enterprise to address major challenges involving robotics, aerospace, machine learning, 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.

We are one department with two majors: mechanical engineering and engineering mechanics with aerospace option.

**STUDENT ENROLLMENT**

1471 UNDERGRADUATE

278 GRADUATE

**DEGREES CONFERRED**

296 UNDERGRADUATE

118 GRADUATE

**NATIONAL PUBLIC RANKING**

13th UNDERGRADUATE

9th GRADUATE

according to U.S. News & World Report
**DEGREES OFFERED**

<table>
<thead>
<tr>
<th>BS</th>
<th>MS</th>
<th>PhD</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Mechanical Engineering</td>
<td>• Mechanical Engineering</td>
<td>• Mechanical Engineering</td>
</tr>
<tr>
<td>• Mechanical Engineering: Accelerated</td>
<td>• Mechanical Engineering: Automotive Engineering</td>
<td>• Engineering Mechanics Research</td>
</tr>
<tr>
<td>• Mechanical Engineering: Modeling and Simulation in ME</td>
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**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
- 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

**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

**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.

**RESEARCH AREAS**

- Advanced Manufacturing
- Biomechanics
- Energy Systems
- Computational engineering
- Advanced Computing
- Robotics controls and sensing
- Fluid and solid mechanics

**STARTING SALARIES AND PLACEMENT**

<table>
<thead>
<tr>
<th>UNDERGRADUATE</th>
<th>GRADUATE</th>
<th>DOCTORAL</th>
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</thead>
<tbody>
<tr>
<td>$72K+</td>
<td>$83K+</td>
<td>$86K+</td>
</tr>
</tbody>
</table>

**ACCOMPLISHED FACULTY**

- 8 Engineering Mechanics faculty joined the ME Department in Spring ‘23
- 50 tenured or tenure-track faculty

**DEGREES OFFERED**

- BS
- MS
- PhD

**STARTING SALARIES AND PLACEMENT**

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

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