SNAPSHOT

Department Chair

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Enrollment

842 undergraduate students
235 graduate students

Undergraduate Ranking
17

Graduate Ranking
13

Financial Aid
More than 140 undergraduate scholarship recipients each year

Student Achievement

• Students can join any of more than 50 engineering student organizations, many of which are dedicated to outreach and services.
• The Clean Snowmobile Team, based in the ME department, has won the SAE Clean Snowmobile Challenge for the past five years.

Degrees in Mechanical Engineering

• Bachelor of Science (BS)
• Master of Science (MS)
• Doctor of Philosophy (PhD)
• Master of Engineering in Polymer Engineering & Science

• A team of engineering undergrads won third place overall in a worldwide SpaceX competition to design a pod for shuttling people on a futuristic high-speed transportation system known as the Hyperloop.

Degrees Conferred*

214 undergraduate
66 graduate

* Degrees in 2015

Job Placement

• In 2015, 98 percent of undergraduates were placed in a job within a year of graduation or went on to attend graduate school.
• $62,080—Average starting salary for an undergraduate student
• $77,130—Average starting salary for a graduate student
• $86,125—Average starting salary for a PhD student
Research Excellence

Research activities in mechanical engineering cover a wide range of topics, many of which require an interdisciplinary approach. Our research spans from developing new mathematical theories to putting those theories into practice. We are renowned for our engine research and solar energy laboratories. Through our Polymer Engineering Center, we are leaders in 3-D printing and other groundbreaking manufacturing processes.

We are pursuing research in the following areas:

- Biomechanics
- Computational engineering
- Energy systems
- Manufacturing
- Mechanics and controls

Research centers and consortia within the department include:

- Center for Rehabilitation Engineering and Assistive Technology
- Diesel Engine Research Consortium
- Engine Research Center
- Polymer Engineering Center
- Power Systems Engineering Research Consortium
- Wisconsin Applied Computing Center
- Wisconsin Electric Machines and Power Electronics Consortium

Faculty Excellence

15 National Science Foundation CAREER Award recipients since 1990

2 Presidential Young Investigator Awards since 1990

2 National Academy of Engineering members

$16M+
Average annual research funding

14 Active patents
+ numerous patent disclosures annually

By harnessing parallel computing, Associate Professor Dan Negrut uses computer simulations to model and predict how complex mechanical systems change in time. For example, his simulations can predict how military vehicles will perform on different terrains, such as driving up a rocky incline, and this allows for better vehicle designs and reduced costs.

Four new faculty members joined the ME department in fall 2015: Peter Adamczyk, Corrinne Henak, Alejandro Roldán-Alzate and Sangkee Min, who was also one of the first new hires in the Grainger Institute for Engineering.