

MECHANICAL ENGINEERING

Senior Design Studio
Senior Design Hub
Solar Energy Lab
TEAM Lab

The Department of Mechanical Engineering (ME) within the University of Wisconsin–Madison College of Engineering is the home of two undergraduate degree programs (mechanical engineering and engineering mechanics, including an option in aerospace engineering) and two graduate degree programs (mechanical engineering and engineering mechanics). The department's faculty conducts research in the areas of advanced manufacturing, biomechanics, computation & data-driven engineering, energy systems, solid & fluid mechanics, and robotics, controls, & sensing. This combination of topics fosters synergies with respect to polymers, mechatronics, aerospace, thermal, materials, additive manufacturing, and fluids. The mechanical engineering undergraduate program has been ranked in the top twelve, and the mechanical engineering graduate program has been ranked in the top seven, among public universities, according to U.S. News and World Report 2022 rankings.

DEGREES/MAJORS/CERTIFICATES

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- Engineering Mechanics, BS (<https://guide.wisc.edu/undergraduate/engineering/mechanical-engineering/engineering-mechanics-bs/>)
- Engineering Thermal Energy Systems, Certificate (<https://guide.wisc.edu/undergraduate/engineering/mechanical-engineering/engineering-thermal-energy-systems-certificate/>)
- Manufacturing Engineering, Certificate (<https://guide.wisc.edu/undergraduate/engineering/mechanical-engineering/manufacturing-engineering-certificate/>)
- Mechanical Engineering, BS (<https://guide.wisc.edu/undergraduate/engineering/mechanical-engineering/mechanical-engineering-bs/>)

RESOURCES AND SCHOLARSHIPS

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FACILITIES

Facilities available for instruction and research include:

Automatic Controls Lab
Automotive Lab
Computer-Aided Engineering (CAE) Labs
Energy Systems Lab
Engineering Design Research Lab
Experimental Mechanics Lab
Instrumentation Lab
Maker Space
Manufacturing Automation Lab
Mechanical Testing Lab
Mechatronics Lab
Polymer Engineering Center
Robotics and Autonomous Systems Lab