WHY UW?

- Continuing UW engineering students and high school seniors are offered more than 275 merit-based scholarships each year.
- 100% of ME courses are taught by full-time faculty, with graduate students assisting in the labs.
- The average ME class size is 28, with an average lab size of 10 students.
- Fall and spring career fairs are attended by 50-60 local, regional, and national employers/organizations hiring UW engineering students for internships and positions upon graduation. Students who graduate report a 75% rate of employment in their chosen field within three months of graduation and 90% within six months.
- ME & ESE seniors consistently pass the Fundamentals of Engineering Exam with scores 12% above the national average.
- Three UW residence hall floors with a computing laboratory house approximately 150 students and are designated for engineering students only.
- With more than 250 recognized student organizations, UW offers a wide range of opportunities to fit your interests and needs. Engineering students can choose to become involved in ASME (American Society of Mechanical Engineers), AIAA (American Institute of Astronautics), SAE (Society of Automotive Engineers), TBP (Tau Beta Pi), SWE (Society of Women Engineers) and many more.
- The International Engineering Club, along with Engineers without Borders–Wyoming, was formed to facilitate students interested in study abroad, international internships or international service.

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Mechanical Engineering is the broadest of all engineering disciplines. It deals with diverse engineering problems in solid mechanics, fluid dynamics, aerodynamics, heat transfer, energy conversion, vibration, design, manufacturing, controls, materials science and electromechanical systems. Mechanical engineers are employed in almost every industry. If there are moving parts or if energy is converted from one form to another, a mechanical engineer was responsible for the design.

The ME program at UW offers committed, professional instruction. All ME classes (including laboratories) are taught by full-time faculty. All faculty have Ph.D. degrees. ME faculty maintain an open-door policy, making them extremely accessible to students. Students receive a hands-on education with ME class sizes averaging 28 students per lecture class and 10 students per laboratory section.

Find out more at uwyo.edu/ceas/mechanical

About Energy Systems Engineering

The Energy Systems Engineering program is designed to train engineers to address one of this country’s foremost challenges: to achieve energy independence and meet the growing demand for energy, while addressing critical environmental concerns. The program prepares students to be technology leaders in energy conversion and environmental-protection systems, managers in the energy industry, overseers of energy development and to be environmentally sensitive liaisons between the energy industry and the public. ESE engineers are trained in alternative and environmentally friendly energy-conversion systems such as wind, solar and geothermal, as well as more traditional technologies.

Notable employers of our graduates: Bechtel Marine Propulsion, Halliburton, Baker Hughes and Arch Coal.

Degree Programs

- Bachelor of Science in Mechanical Engineering
- Bachelor of Science in Mechanical Engineering (International Option)
- Bachelor of Science in Energy Systems Engineering (ESE)
- Bachelor of Science in Energy Systems Engineering (International Option)
- BS/MS Quickstart in Mechanical Engineering
- Master of Science in Mechanical Engineering
- Doctor of Philosophy in Mechanical Engineering

Careers in Mechanical Engineering

Mechanical engineers are in demand nearly everywhere. UW graduates are employed at more than 700 companies and in all 50 states. Mechanical engineers find employment opportunities in industries such as automotive, aerospace, manufacturing, defense, electric utilities, chemical and oil/gas. Energy Systems engineers find employment at oil/gas companies and in oil/gas support services, at electric utilities, for state agencies providing environmental oversight, in environmental management and remediation and others.

Projected job growth is 5 percent from 2012 to 2022.