

WHY UW?

CONTACT INFORMATION


 **3.6** **AVERAGE UNWEIGHTED GPA**
FOR INCOMING CEPS FRESHMAN

14:1 **STUDENT-FACULTY RATIO** 

57% **PERCENTAGE OF UW STUDENTS WHO GRADUATE DEBT-FREE** 

\$65,947 **AVERAGE STARTING SALARY**
FOR CEPS GRADUATES

TOP 200 **2021 NEWSWEEK BEST**
MAKER SCHOOLS GLOBALLY

 **3** **RESIDENCE HALL FLOORS DESIGNATED**
FOR ENGINEERING STUDENTS ONLY

25+ **RECOGNIZED CEPS STUDENT ORGANIZATIONS**
GET INVOLVED & STAY CONNECTED!

Highly relevant programs that are tightly connected to industry needs – supported by outstanding faculty and research facilities.

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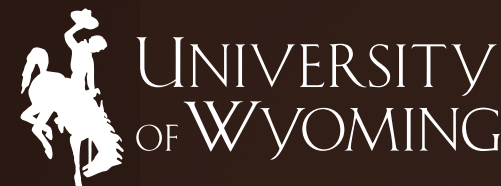
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*FIND GREAT STORIES ABOUT
OUR STUDENTS, FACULTY AND STAFF!*



College of Engineering
and Physical Sciences

**MECHANICAL &
ENERGY SYSTEMS
ENGINEERING**

uwyo.edu/mechanical



*BUCKING THE SYSTEM
SINCE 1886.*

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 majority of ME classes (including laboratories) are taught by full-time faculty. ME faculty maintain an open-door policy, making them extremely accessible to students. Students have many opportunities for hands-on learning including labs, undergraduate research, field trips, design competitions and senior capstone projects.

CAREERS IN MECHANICAL ENGINEERING:

Mechanical engineers are found in significant percentages in almost all industrial and governmental organizations that employ engineers. 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.

ENERGY SYSTEMS ENGINEERING AN INTERDISCIPLINARY DEGREE

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.

DID YOU KNOW?

1 IN 4 ENGINEERING GRADUATES IN THE U.S. WERE MECHANICAL ENGINEERS IN 2021

7% PROJECTED JOB GROWTH FOR MECHANICAL ENGINEERING FOR 2020-2030

\$97,000 AVERAGE ANNUAL SALARY FOR MECHANICAL ENGINEERS IN 2021



THE WORLD NEEDS MORE UNSHAKABLE DETERMINATION.

DEGREE PROGRAMS

Bachelor of Science in Mechanical Engineering

Bachelor of Science in Energy Systems Engineering (ESE)

BS/MS Quickstart in Mechanical Engineering

Master of Science in Mechanical Engineering

Doctor of Philosophy in Mechanical Engineering



Find out more at uwyo.edu/mechanical