



MORE FACTS AND STATS:

14:1  **STUDENT-TO-FACULTY RATIO**
IN COLLEGE OF ENGINEERING

RECOGNIZED CEPS STUDENT ORGANIZATIONS

Get involved in Tau Beta Pi, Society of Women Engineers, Society of Petroleum Engineers, American Society of Chemical Engineers, American Society of Mechanical Engineers, and many more.

25+
GET INVOLVED!

HIGHLY RELEVANT PROGRAMS
THAT ARE TIGHTLY CONNECTED TO INDUSTRY NEEDS
- SUPPORTED BY OUTSTANDING FACULTY AND RESEARCH FACILITIES.

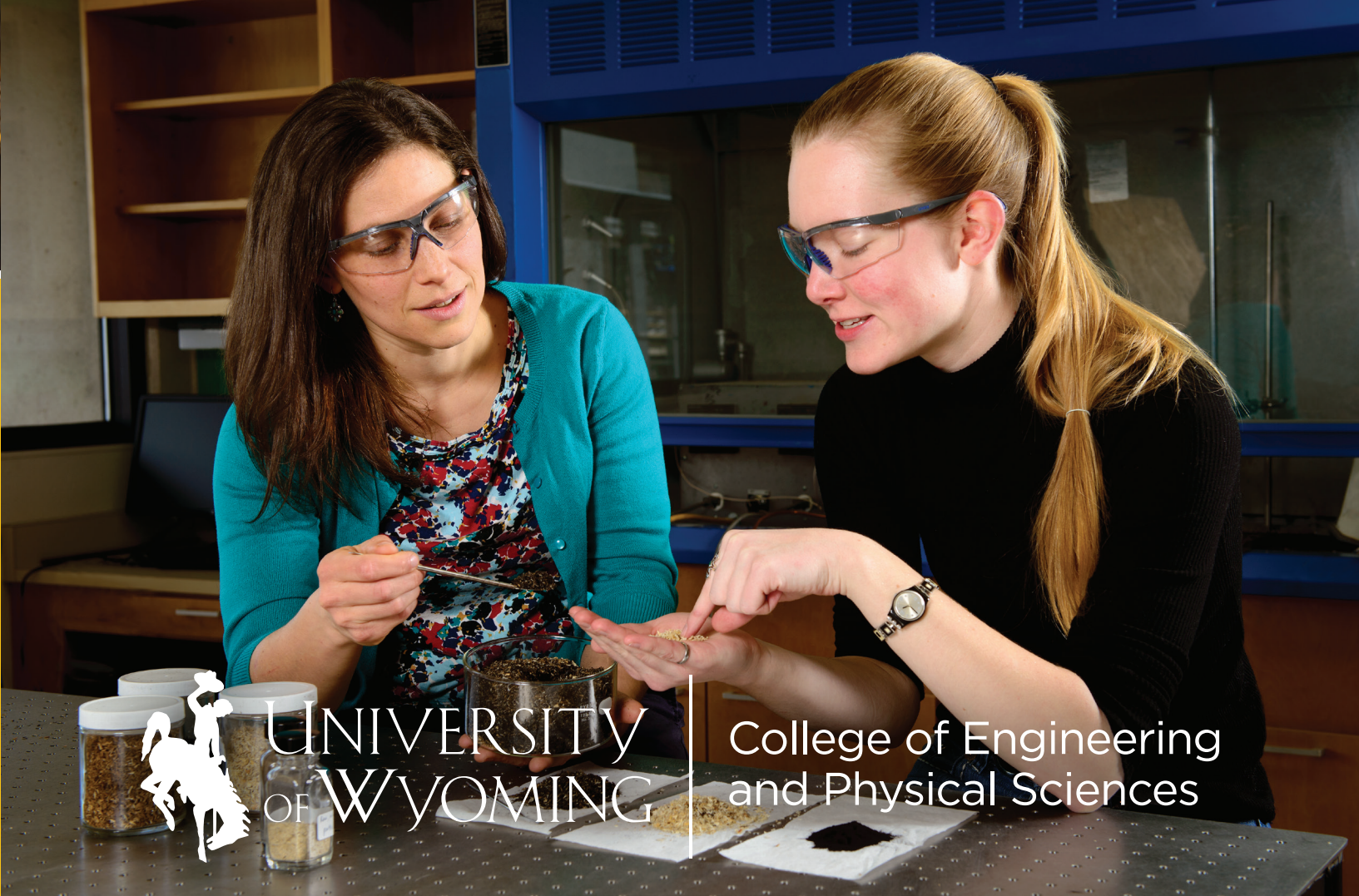
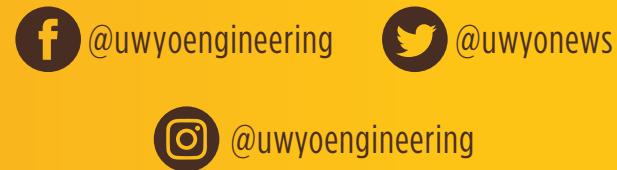


**QUESTIONS?
WANT MORE INFO?**

GET IN TOUCH:

STEM@uwyo.edu | 307-766-4253
uwyo.edu/ceas

1000 E. University Ave., Laramie, WY 82071

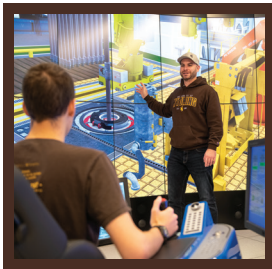


**UNIVERSITY
OF WYOMING**

College of Engineering
and Physical Sciences

*THE WORLD NEEDS MORE
RELENTLESS CURIOSITY.*





PETROLEUM ENGINEERING

Learn about all facets of oil exploration and development, from identifying and characterizing the reservoir through drilling and completion to production. Petroleum engineers also find new ways to extract oil and gas from older wells.



CONSTRUCTION MANAGEMENT

Learn specialized project management techniques to oversee all aspects of construction projects from planning, design and construction. Participate in a well-rounded curriculum that includes engineering, construction and business coursework tightly connected to the industry's state-of-the-art.

- ONLY THE MOST INNOVATIVE AND CREATIVE SOLUTIONS WILL OVERCOME THE ENERGY AND TECHNOLOGY CHALLENGES FACING TODAY'S WORLD

WE UNDERSTAND THOSE CHALLENGES.

WHY UW

COLLEGE OF ENGINEERING AND PHYSICAL SCIENCES?



ELECTRICAL ENGINEERING

Design control and communication systems, sensors, displays, learning machines, robots, instruments, voice recognition, computer vision, bioinstrumentation, electronics, motors, power systems, the internet of things—and more, in almost all industries.



CHEMICAL ENGINEERING

Work on creating and refining polymers in manufacturing and medicine, design processes and equipment for large-scale safe and sustainable manufacturing, plan and test methods of manufacturing products in the energy, food, water, healthcare & more.

STATISTICAL AND MATHEMATICAL SCIENCES



The department offers a vibrant and stimulating environment in which to learn higher mathematics and statistics and to pursue open questions at the frontiers of knowledge. Students are prepared for successful careers in the statistical and mathematical sciences, whether in academic, governmental, or industrial positions.

3.6

AVERAGE UNWEIGHTED GPA FOR INCOMING CEPS FRESHMAN



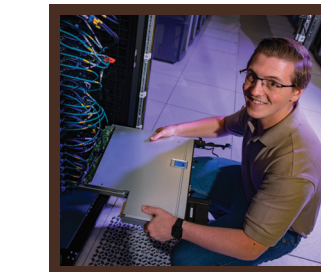
CIVIL ENGINEERING

Learn about infrastructure and the technical aspects of urban and rural land development. Design roads and bridges, municipal water systems, sewer systems and wastewater treatment plants, dams and irrigation channels, excavations and slope-stability projects.



COMPUTER ENGINEERING

A blend of Computer Science and Electrical Engineering, you'll learn how to design complex computer systems and embed them in custom applications such as robots, and automobiles. Create computer vision systems, computers and software, and the internet of things.



COMPUTER SCIENCE

The department has strengths in artificial intelligence (AI), robotics, human computer interaction, cyber security, formal methods and computational complexity. Software-related work is a highly creative endeavor and interesting design problems arise in every project.

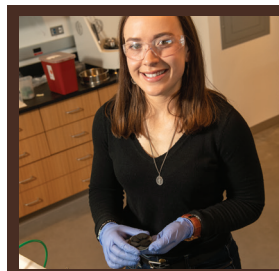
57%

PERCENTAGE OF UW STUDENTS WHO GRADUATE DEBT-FREE



ARCHITECTURAL ENGINEERING

Learn about building structural or mechanical systems. Build a strong foundation in Building Information Modeling, which refers to the 3D computer modeling of building systems and simulating building performance.



MECHANICAL AND ENERGY SYSTEMS ENGINEERING

The broadest of all engineering disciplines, you'll learn about solid mechanics, fluid dynamics, aerodynamics, heat transfer, energy conversion, vibration, design, manufacturing, controls, materials science and electromechanical systems.



ATMOSPHERIC SCIENCE

Become an expert in both observational studies and numerical modeling, including: cloud microphysics and dynamics, aerosols and air quality, instrument development and characterization, mesoscale and boundary-layer dynamics, and more. *Graduate program only.*

\$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

WHERE SOME OF OUR GRADUATES ARE EMPLOYED:

AT COMPANIES LIKE: (Not an all-inclusive list)



IN JOBS LIKE:

- > Drilling Engineer
- > Field Engineer
- > Business and Regulatory Specialist
- > Construction Management Engineer
- > Spacecraft Engineer
- > R & D Engineer
- > Production Engineer
- > Completion Engineer
- > Lead Programmer
- > Wind Data Analyst
- > Software Development Engineer
- > Nuclear Engineer
- > Systems Engineer
- > Materials Engineer

IN LOCATIONS LIKE:

