MORE FACTS AND STATS:

20:1

STUDENT-TO-FACULTY RATIO
IN COLLEGE OF ENGINEERING

RECOGNIZED CEAS 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:

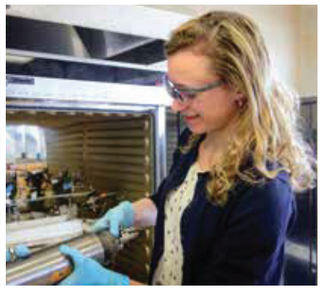
Alex Farley, Recruiting Coordinator

alex.farley@uwyo.edu | 307-766-4253

uwyo.edu/ceas

1000 E. University Ave., Laramie, WY 82071

@uwyoEngineer @uwyoengineering @uwyonews youtube.com/uwyo



UNIVERSITY OF WYOMING | College of Engineering and Applied Science

THE WORLD NEEDS MORE RELENTLESS CURIOSITY.

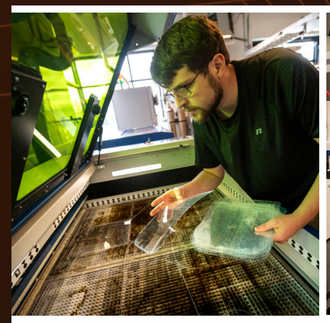
WHAT STUDENTS ARE SAYING...

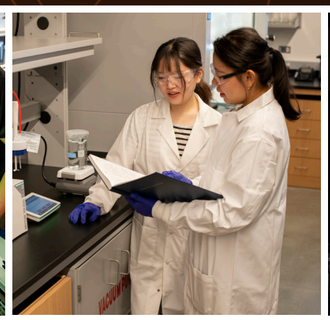
> I considered a few other schools, but the biggest factor for me coming to UW was the financial aid for academics. Also, I felt like you could control more of what happens in the classroom. No other school made the effort like that.
>
> — Audra DeStefano, chemical engineering

> I've had professors who were unbelievably helpful, whether it was in the classroom or in their office hours. (UW's small class size) gives you a chance to build a community with the fellow students you're working with—studying together, working together, doing extracurricular activities.
>
> — Kyle Schmidt, chemical engineering

> The engineering college is really good at making you feel like you're home and helping you in the whole process. I feel like it's a good quality education, and I'm really happy with it. It's just an amazing university.
>
> — Virginia Rivas Zambrano, petroleum engineering

> One of the best things is it's a top-notch education, but it's a smaller campus. I liked that you got interpersonal connection with the professors, and it's a small town. I really enjoyed my time there, and I wouldn't be here without my education.
>
> — Brett Drake, civil engineering graduate





uwyo.edu/ceas

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.

ELECTRICAL ENGINEERING

Design control and communication systems, sensors, displays, learning machines, robots, instruments, voice recognition, computer vision, 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.

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.

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.

WHERE SOME OF OUR GRADUATES ARE EMPLOYED:

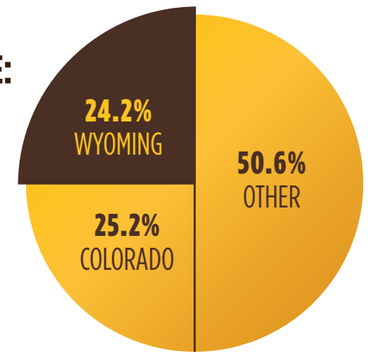
AT COMPANIES LIKE: (Not an all-inclusive list)

WWC Engineering, Westmoreland Coal Company, Halliburton, WT Whiting-Turner, Ford, HESS, Level(3), bp, Sigma-Aldrich, Tronox, Sinclair, Chevron, Trihydro, Weatherford, Peabody, Texas Instruments, U.S. Air Force, The Value of Performance. Northrop Grumman, ExxonMobil

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:



WHY UW

COLLEGE OF ENGINEERING AND APPLIED SCIENCE?

300+ MERIT BASED SCHOLARSHIPS ARE OFFERED EACH YEAR TO CEAS STUDENTS

AVERAGE **GPA 3.6** FOR INCOMING FRESHMEN

PERCENTAGE OF UW STUDENTS WHO GRADUATE DEBT-FREE **54%**

$72,119 AVERAGE STARTING SALARY FOR ENGINEERING GRADUATES

3 RESIDENCE HALL FLOORS WITH A COMPUTING LABORATORY ARE DESIGNED FOR CEAS STUDENTS ONLY