UW | College of Engineering and Physical Sciences
Susan McCormack Center for Student Success







College of Engineering and Physical Sciences

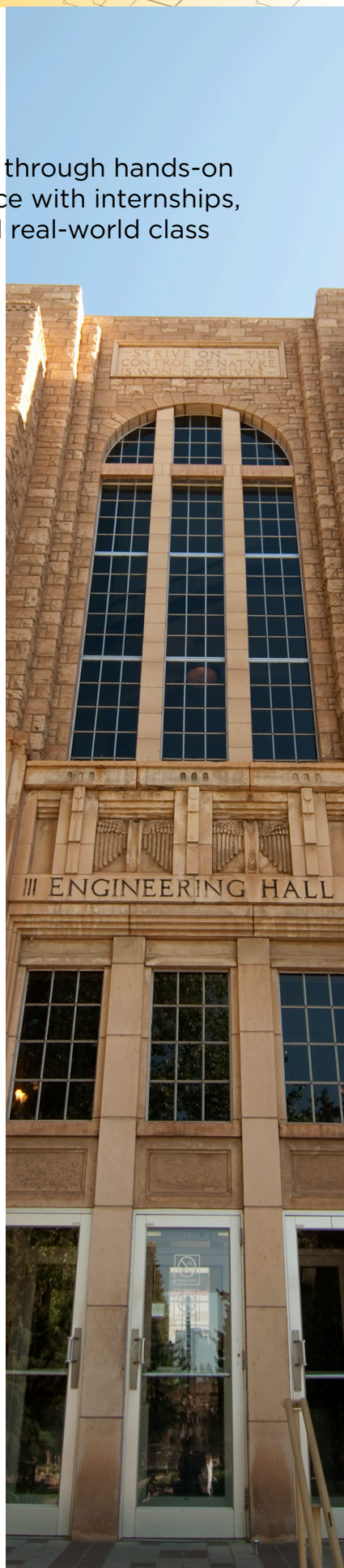
Employer Engagement Guide

UNIVERSITY OF WYOMING CARNEGIE R1 TOP-TIER RESEARCH

OUR PROGRAMS

ALIGNING PROGRAMS WITH INDUSTRY NEEDS AND FACILITATING HANDS ON EXPERIENCES

The College of Engineering and Physical Sciences empowers students through hands-on learning in every stage of their education, connecting theory to practice with internships, labs, cutting-edge research, senior design projects, industry tours, and real-world class collaborations.



UNDERGRADUATE PROGRAMS

- Architectural Engineering
- Astronomy and Astrophysics
- Chemical Engineering
- Chemistry
- Civil Engineering
- Computer Engineering
- Computer Science
- Construction Mangement
- Electrical Engineering
- Electrical Engineering (Bioengineering Option)
- Environmental Geology & Geohydrology
- Geography
- Geology
- Mathematics
- Mechanical Engineering
- Petroleum Engineering
- Physics
- Process Control (Minor)
- Statistics

MASTERS PROGRAMS

- Architectural Engineering
- Atmospheric Science
- Chemical Engineering
- Chemistry
- Civil Engineering
- Computer Science
- Electrical Engineering
- Environmental Engineering
- Geology and Geophysics
- Mechanical Engineering
- Energy and Petroleum Engineering
- Physics
- Quantum Information Science & Engineering
- Statistics

PhD PROGRAMS

- Atmospheric Science
- Chemical Engineering
- Chemistry
- Civil Engineering
- Computer Science
- Electrical Engineering
- Geology and Geophysics
- Mathmatics
- Mechanical Engineering
- Energy and Petroleum Engineering
- Physics

OUR STUDENTS



Employer testimonial

"Our partnership with the University of Wyoming has been instrumental in building a strong talent pipeline. Through career fairs, student org engagement, and sponsorships, we've not only received more dynamic applicants but also deepened our connection to the next generation of engineering professionals."

— Jessica Stonum, Training and Development Director, Trihydro



OUR STUDENTS

University of Wyoming students graduate job-ready by applying classroom concepts to real-world challenges through hands-on learning opportunities, including nationwide engineering competitions, senior design projects, undergraduate research, and internships.

RESEARCH



The University of Wyoming is an R-1 Research institution leading cutting-edge interdisciplinary research in energy, materials, environmental science, computation, physics, geosciences, and nuclear engineering.

Click here or scan to see more research

WORLD-CLASS FACILITIES

- Supercomputing Centers
- Research Aircraft
- High Bay Labs
- Advanced Imaging Equipment
- Astronomical Observatories

PUBLIC, PRIVATE, AND NATIONAL LAB PARTNERSHIPS

Baker Hughes, Pacific Northwest National Laboratory, ExxonMobil, NSF, Argonne National Laboratory, NCAR, Los Alamos National Laboratory, INL, HALLIBURTON

COMPETITIONS



University of Wyoming students compete in nationwide engineering competitions through clubs and senior design projects. These experiences provide hands-on opportunities to apply classroom concepts to real-world challenges Some examples include:

- Department of Energy (DOE) Collegiate Wind Competition
- Department of Energy (DOE) Solar Decathalon Build Competition
- American Society of Civil Engineers (ASCE) Concrete Canoe Competition
- UW Wyoming Motorsports Hybrid + Electric Racecar Competition
- National Association of Homebuilding (NAHB) Residential Design Competition
- National Aeronautics and Space Administration (NASA) Micro-g NExT Design Challenge

OUR STUDENTS

HANDS-ON PROJECTS



All engineering students complete a senior design project in their final year. This list only scratches the surface of the many projects completed annually. Follow the link below to explore an expanded list of projects.

- Freezing Stock Water Tank with the 9H Research Foundation
- Drain Drone with Uplink Robotics
- Weather visualization software for the NSF-Wyoming King Air
- Swim Resistance Equipment with UW Swim Team
- Valveless Pulse Jet and Test Stand For Aero-Propulsion Research with Resono Pressure Systems

Click here or scan to see more projects!

Students in the sciences also have the opportunity to do hands-on work through the following:

- Advanced Labs - professionalization
- Electronics Labs - device builds
- Observatory and telescopes

INTERNSHIPS



Internships are short-term, structured work experiences where students apply classroom learning to a professional setting.

Internships help employers:

- Develop future talent
- Gain fresh perspectives
- Advance organizational projects

Internships help students:

- Gain a deeper understanding of their area of focus
- Obtain industry experience and skills
- Develop a better understanding of career goals

Number of students who complete internships*:

48.5%

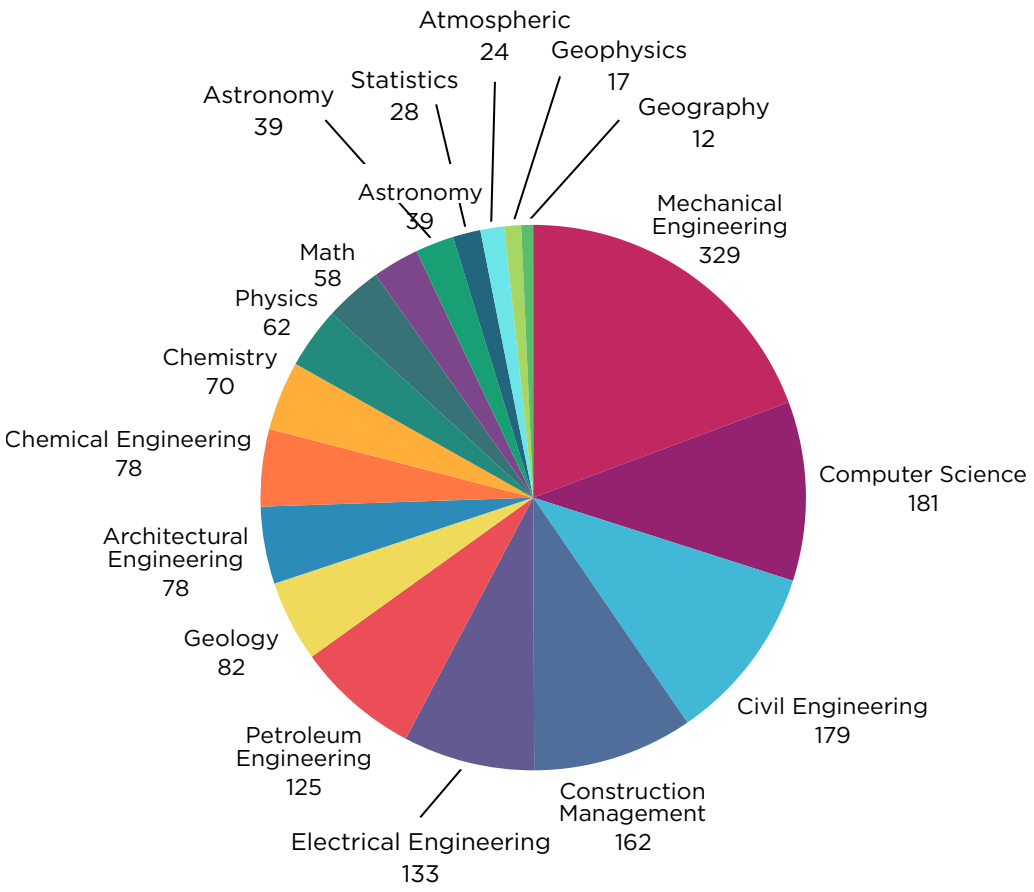
Percent of students who had completed internships by the time of graduation. From Spring 2025 First Destination Survey

Companies hiring our students:

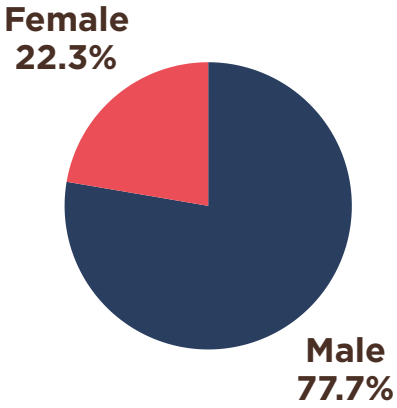
Baker Hughes, INL, ExxonMobil, NREL, Kiewit, Trihydro, Simplot

FAST FACTS

Students Per Major (Fall 2025):



Student-Faculty Ratio 20:1



287
Bachelors degrees awarded 23-24

84
Masters degrees awarded 23-24

42
PhD degrees awarded 23-24

Up to 800 students attend career fairs!

73%
First-time pass rate on Fundamentals of Engineering exam

ENGAGING WITH STUDENTS

Below is a list of common ways to engage with students in the college. Take a look and find the options that best fit you and your company's needs! Some department-specific opportunities, such as the Geology Brown Bag sessions and Chemistry Coffee Chats, are not listed here. Feel free to reach out to learn more about what's happening in the college.

Pro Tip:
These efforts are most successful when students are aware of your company – completing a few of these each semester will result in higher engagement and develop a talent pipeline!



SHARE A JOB WITH UW STUDENTS

Looking to hire a UW student or graduate? You are welcome to reach out to Jessica A. Robinson to have your posting emailed directly to students and added to our CEPS Weekly Bulletin that goes out to all students!

CAREER FAIRS

We host Career Fairs for various employer industries each semester. Active student participants have been as high as 800 students per CEPS Fairs. To see what we have scheduled this year, visit Career Fairs.



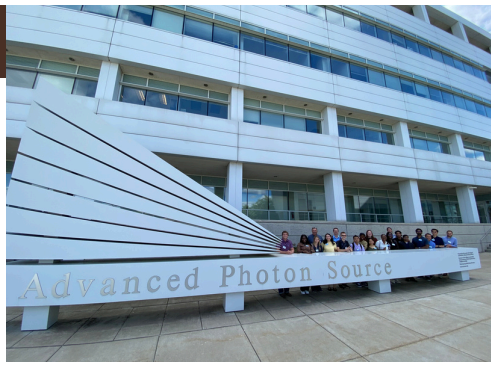


INFORMATION SESSION OR CLASS PRESENTATION

Presentations about your profession can take multiple forms in CEPS. Reach out to coordinate a time to speak in a class about how your work relates to the concepts in the classroom or find a time outside of the class to speak to students about your company and how students can get involved.

COMPANY SITE VISITS

These opportunities allow employers and students to connect informally for 1:1 or small group tours of a company's work location. Students gain industry insights from current employees and learn about real work taking place in real-world settings. Contact us to learn more!



ENGAGING WITH STUDENTS



SPONSOR A SENIOR DESIGN PROJECT

Senior Design projects are completed by senior year students and range from one to two semesters. This form of engagement can include fiscal support, providing supplies, or dedicating time to consult. Contact us to learn more!

CONNECT WITH A STUDENT CLUB

Connecting with specialized student clubs allows for targeted audiences for recruitment in your field and other forms of support. We can assist with the connections or you can access the list of UW's registered student clubs you are interested in.





OFFER AN INTERNSHIP

Internships provide valuable experiences for both employers and students. Connect with our staff to launch a new internship program or to promote your existing opportunities.

BECOME A CAREER CHAMPION

Interested in ongoing connection with our office? Career Champions are individuals who engage with students on career-related topics by volunteering to conduct resume reviews, mock interviews, informational interviews, and mentoring conversations.

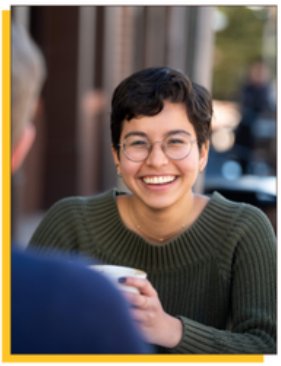




COWBOY CONNECTION PROGRAM

Are you an alumnus/alumna from the UW College of Engineering and Physical Sciences? Do you have employees who are? Alumni can be your strongest asset for recruiting new talent for your company!

Alumni and students are matched based on field, background, and professional interests.



You only need to meet once for 30-60 minutes to discuss topics such as:

- Your career journey and current work
- How you found your role
- Industry insights
- Advice for students preparing for their next steps

Click here or scan to join!

CONSTRUCTION MANAGEMENT INDUSTRY PARTNERS PROGRAM

Join the UW CM Industry Partners Program and build direct access to a pipeline of exceptionally prepared construction management students. Your organization can engage with top talent, share industry expertise, and help shape a curriculum grounded in real-world practice. In return, you gain early visibility into future professionals, influence emerging skill sets, and strengthen connections with the next generation of construction leaders.

Click here or scan for more information!

Common Industry Partners Engagements



Teaching With Industry

Brings together faculty, community-college instructors, and industry professionals to co-teach and align coursework with current construction-industry practices.



Evening With Industry

Allows recruiters and students from the construction-management program to network before the formal career fair.



Industry Insights

Offers the construction-industry community opportunities to introduce themselves to students, share insights, and create meaningful connections.

GET CONNECTED!

READY TO PARTNER WITH THE COLLEGE OF ENGINEERING & PHYSICAL SCIENCES AT THE UNIVERSITY OF WYOMING?

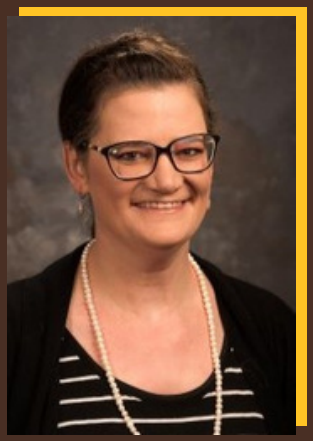
Getting started is easy: simply reach out to our Career Services team to explore the various engagement opportunities - posting jobs or internships, hosting information sessions, sponsoring senior-design projects, or joining our career fairs.

Together, we'll tailor a plan that fits your recruiting goals and connects you with talented students ready to make an impact. Contact us today to begin the conversation and start building your pipeline of future engineers and scientists!

Email Jessica at jrobin55@uwyo.edu to:

- Create a tailored engagement plan for your organization
- Connect with faculty conducting cutting-edge research
- Schedule an on-campus or virtual event
- Learn more about our employer engagement services

We look forward to collaborating with you to advance student success and strengthen industry partnerships with the University of Wyoming.



Jessica A. Robinson, Ph.D.

Manager, Career Services Office
Susan McCormack Center for Student Success
College of Engineering and Physical Sciences
Engineering Room 2079
jrobin55@uwyo.edu

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