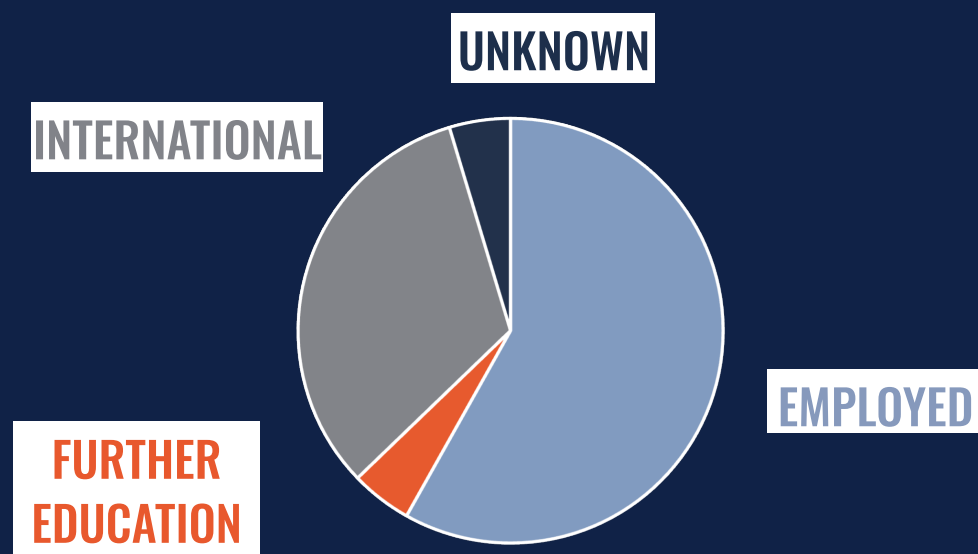




WHERE PETROLEUM ENGINEERING STUDENTS GO



Student pursuits one-year post-graduation:



Industries of employment for students one year out:

- Energy - Oil & Gas
- Energy - Alternative/Renewable
- Manufacturing

Job titles of our graduates one-year out:

- Petroleum Engineer
- Reservoir Engineer
- Gas Production Engineer
- Foundation Engineer
- Fracturing Engineer
- Field Engineer
- Drilling Engineer
- Energy Analyst

This menu is a tool for you to use to explore opportunities at Mines outside of the classroom. These are not requirements, but rather recommendations to help you leverage what Mines has to offer. Just like at a restaurant, choose what looks best to you and start from there! This menu can help you create your own pathway and customize your experience during your time at Mines.

The activities are placed in specific years based off staff and faculty recommendations, but you can participate in most of them at any time. There is never a wrong time to get involved if you're looking, and no pressure to do any of these things!

Get to know Petroleum Engineering

Petroleum Engineering is a much broader field than many realize. It involves the study of how to access and use natural resources such as oil, natural gas and geothermal. The main areas of emphasis include reservoirs, drilling, completions, production and data analytics.

The majority of Petroleum Engineering students have at least one industry internship before graduating, and most have several. We work closely with industry partners to give you many opportunities to be involved and aware of current topics of interest. This industry support is one of the reasons we had 100% positive placement for our 2021-2022 graduates, with an average starting salary of \$79k.

Get Involved

Attend Celebration of Mines in August to get to know campus organizations and academic departments, sample food, and play games. Below are some departments that offer many great opportunities to enhance your experience here at Mines.

- [Student Activities, Involvement & Leadership](#)
- [University Honors and Scholars Program](#)
- [Every Oredigger](#)

Academic options in Petroleum Engineering

Explore the options below to see how to expand upon a Petroleum Engineering degree and what to expect from the course load.

▪ Minors

- [Leadership in Social Responsibility](#)
- [Geology](#)
- [Geophysics](#)
- [Mechanical Engineering](#)
- [Economics](#)
- [Computer Science](#)
- [Petroleum Data Analytics](#)
- [McBride Honors Program](#)
- [Teaching](#)

▪ 4+1 Programs






- Petroleum Engineering
- Petroleum + Engineering and Technology Management

▪ Academic Flow Chart

▪ Academic Catalog

"My favorite time so far has been getting involved within the department. From SPE, AADE, PET, and volunteering my time, it has been a great experience. The exposure I have received from hosting events, traveling to conferences, and building networks within the industry has been directly related to the support that the PE department has given me."

JOSH BOCK, PE '23

	1st year	2nd year	3rd year	4th or final year
Leadership & innovation 	<ul style="list-style-type: none"> Attend Mine & Dine in the fall to learn about student organizations associated with the earth sciences Explore opportunities to get involved with the Undergraduate Student Government Explore options to get involved with RHA and Community Councils Apply for the Environmental Leadership Lab trip and Scholars Program. Check the Daily Blast for more information in April. 	<ul style="list-style-type: none"> Run for an entry level position in a PE Student Org Attend the Leadership Summit and develop your leadership skills right on campus Participate in the Leadership Workshop Series with SAIL Attend the Hennebach Program lectures Sign up to engage in innovative thinking and real-world problem solving with Innov8x Challenge 	<ul style="list-style-type: none"> Apply to be a PE Student Ambassador Consider joining the Petrobowl Team through SPE Become an officer in your student organization. Apply to be an Undergraduate Writing Fellow, a peer tutor in the Writing Center. Check the Daily Blast for information in early October. 	<ul style="list-style-type: none"> Run for an advanced leadership position in one of the PE student organizations, such as President or Treasurer. Take CSM 350: Special Studies in Leadership & Small Group Dynamics
Professional development 	<ul style="list-style-type: none"> Join a professional organization Update or create a college resume and get it reviewed with feedback Attend Career Day Use DiggerNet for employment opportunities Enroll in CSM 250 to plan your career path Work on a professional profile using the Mines Strategy guide 	<ul style="list-style-type: none"> Attend Career Days for summer internship positions Attend Lunch & Learns to hear from PE companies Attend ATCE to learn about companies and network. Sign up for the SPE Mentorship program Explore ethics opportunities across campus Attend VIP events each semester Attend the Chevron Lecture Series luncheon 	<ul style="list-style-type: none"> Apply for the Gruver award to attend a specialized conference Participate in SPE's Mock Interviews this Spring Attend the PE Distinguished Seminar Series Consider opportunities for graduate schools Take Introduction to Research Ethics (SYGN 502) or Professional Oral Communication (LICM 501), both are graduate classes but accessible to Undergraduates. Be a tutor or lead core review with CASA 	<ul style="list-style-type: none"> Attend ATCE with a focus on attending the technical sessions and networking for job opportunities. Participate in at least one session from the Chevron Short Course Series to get an in-depth look at specialized software and topics from class Look for full time employment at Career Day & on DiggerNet Take advantage of the Career Center's Offer Letter Review Participate in free Mines sponsored review sessions for the FE and then register to take the exam
Research, creative & scholarly achievement 	<ul style="list-style-type: none"> Explore the option of a summer with SURF Pick up copies of The Oredigger to see what is going on at Mines and maybe contribute a written piece. Explore how to get involved with research through different opportunities on campus 	<ul style="list-style-type: none"> Attend the Emerging Scholars Seminar Series to learn about various research topics Find a faculty member you are interested in working with and apply for MURF Explore classes offered through HASS 	<ul style="list-style-type: none"> Show your research outcomes in Reuleaux Explore options to join a musical group on campus or Mines Little Theater Take Research, Values, and Communication (HASS 360) Co-author a paper with a fellow student or faculty member Manage departmental or student organization's web and/or social media presence 	<ul style="list-style-type: none"> Submit a paper to the SPE Student Paper Competition Submit a piece of visual art, fiction, poetry or music to High Grade Present at a conference Present at Mines Undergraduate Research Symposium
Inclusive & impactful civic engagement 	<ul style="list-style-type: none"> Apply to work at College View Middle School in Denver as a tutor Join Society of Women Engineers as a mentee Attend the Study Abroad Fair this Fall to start exploring your options. Additional scholarships may be available. Attend the annual Celebration of DI&A at Mines 	<ul style="list-style-type: none"> Participate in outreach at local elementary schools Participate in Girls Lead The Way Examine different viewpoints with the movie and book recommendations from MEP See how you can contribute to Mines Without Borders projects Join the Mines DI&A general council meetings or a learning community 	<ul style="list-style-type: none"> Assist with Trick-or-Treat so Golden Can Eat, more information in Daily Blast Tutoring at local high schools Explore DI&A workshops along with trainings from SHAPE Serve as a panelist at Making The Connection or other recruitment events Coordinate an S2S community service event 	<ul style="list-style-type: none"> Tutor at a local high school Volunteer as a mentor for K-14 student with Rocky Mountain MESA Take Art & Environmentalism in Italy Apply for a Mines DI&A community grant to help promote an inclusive campus Facilitate a workshop at Celebration of DI&A at Mines. Keep an eye on the Daily Blast for calls for proposals.
Health & wellness 	<ul style="list-style-type: none"> Locate the Reflection Space in Marquez Hall to use as needed over the next four years Participate in Oredigger Camp to build your community Balance studying for finals with daily wellness activities during Stress Less Week Become familiar with the Counseling Center's services Attend a QPR suicide prevention training Attend a Bystander Intervention workshop Attend Fresh Check Day 	<ul style="list-style-type: none"> Enjoy social time at the annual Mudbug Masquerade Sign up to be a part of intramural sports Get financially savvy with Money Matters Participate in a Peer Educator led workshop Utilize YOU@Mines to find personalized wellness resources to succeed, thrive & matter at Mines Apply to be a Betsy's Friends Peer Educator Check on your own health at the Sexual and Reproductive Wellness Fair 	<ul style="list-style-type: none"> Attend the PE Department Thanksgiving Luncheon and engage with faculty and other students Adventure with the Outdoor Recreation Center through an organized trip or rent gear for your own trip. Get CPR/First Aid certified Prioritize your sleep by grabbing a Bedside Box Organize a suicide prevention training or a Peer Education workshop for your student organization Destress with some therapy dogs at Pause for Paws 	<ul style="list-style-type: none"> Show your loved ones everything you love about Mines at Family & Friends weekend Participate in the Imposter Syndrome Peer Education workshop before heading out into the workforce or graduate school Help manage your stress with Stress Less Box Take a Self-Check at YOU@Mines Do a QPR refresh
Academic Success 	<ul style="list-style-type: none"> Meet with a CASA advisor at least once to understand your current schedule and plan a schedule leading into your second year Sign your family up for the CASA First-Year Family Newsletter so they can support your academic success Attend the Major Fair and declare a major in late April at Declaration Day with CASA. Keep an eye out for an announcement in the Daily Blast 	<ul style="list-style-type: none"> Get advising both semesters to understand your PE curriculum path and discuss possible minors Participate in Summer Field Session I this upcoming summer to explore possible areas of focus Seek career advice from your Faculty Mentor Explore Bounce Back if you are needing to retake a course, on academic probation or returning from academic suspension. 	<ul style="list-style-type: none"> Mandatory Advising Start to request letters of recommendation Participate in Summer Field Session II this upcoming summer to apply what you have learned in your geology courses 	<ul style="list-style-type: none"> Apply for graduate school Apply for jobs for after graduation