

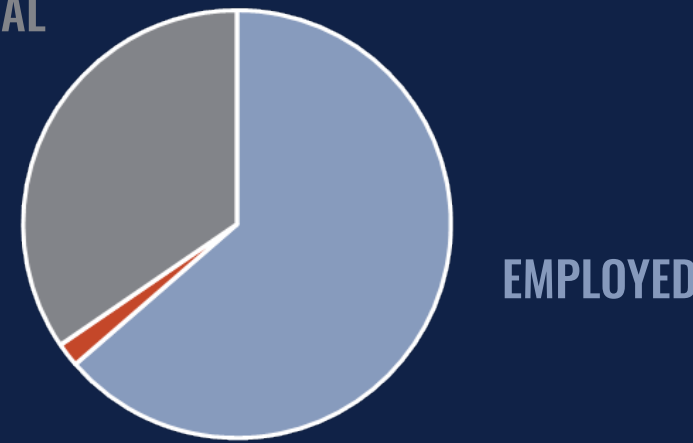


## WHERE PETROLEUM ENGINEERING STUDENTS GO



### Student pursuits one-year post-graduation:

INTERNATIONAL

FURTHER  
EDUCATION

### 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 Reservoir Management
- Foundation Engineer
- Production Engineer
- Application Evaluation Specialist
- Field Engineer
- Wells Engineer
- Energy Analyst
- Graduate Engineer

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 2022-2023 graduates, with an average starting salary of \$83k.

### 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.

#### ▪ Frequently Pursued Minors

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

#### ▪ Common 4+1 Programs

- Petroleum Engineering
- Petroleum+ Engineering and Technology Management







#### ▪ [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

# Experiential Major Menu B.S., Petroleum Engineering

Browse the opportunities within each year and themed Ore Cart to find ways to get involved. All activities in bold are departmental specific, whereas others are open to the general campus.

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