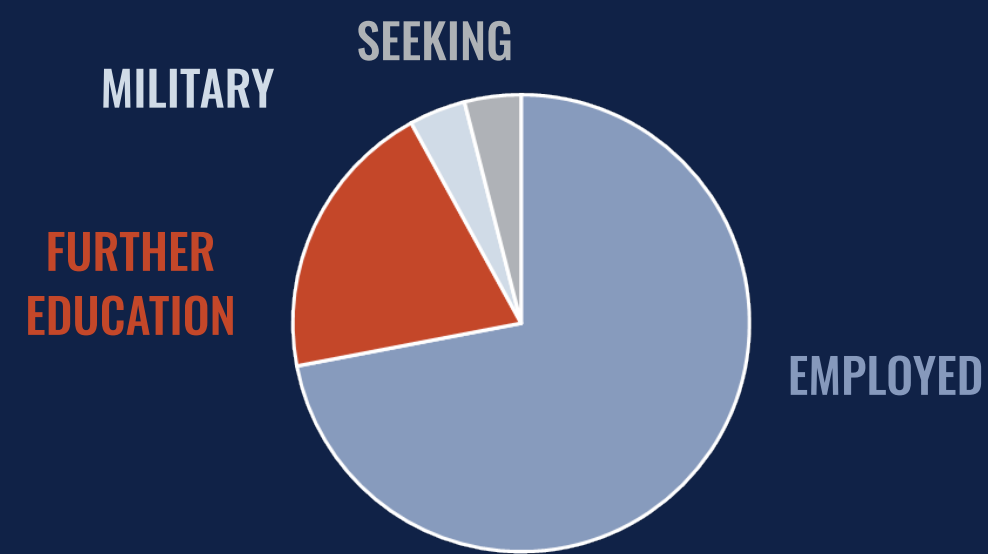




WHERE GEOLOGICAL ENGINEERING STUDENTS GO



Student pursuits one-year post-graduation:



Industries of employment for students one year out:

- Civil/Construction & Building Trades
- Environmental Resources/Water
- Government/Public Sector
- Mining
- Consulting

Job titles of our graduates one-year out:

- Geological Designer
- Staff Geologist
- Staff Engineer
- Geology Intern
- Geotechnical Engineer
- Account Manager
- Field 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 Geological Engineering

Our faculty, staff and students work in a number of fundamental and applied areas important to earth, energy and environment that include mineral and energy resources, underground construction and tunneling, geological hazards, and geochemistry, as well as surface and ground water resources. We take education seriously, and have excellent teaching facilities, world class laboratory facilities, and access to some of the best field sites in the world.

We have close partnerships with the U.S. Geological Survey and Colorado Geological Survey and are proud to house one of the best geology museums in the country. Geology is important to many areas important to humanity, from hazards to water resources to changing climate and we are training outstanding students to be stewards of our earth's natural resources.

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 Geological Engineering

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

▪ Frequently Pursued Minors

- [Underground Construction & Tunneling](#)
- [Geophysics](#)
- [Space and Planetary Science and Engineering](#)
- [Chemistry](#)
- [Water Sustainability](#)
- [McBride Honors Program](#)
- [Teaching](#)

▪ Common 4+1 Programs







- Geology, Geophysics, Geological Engineering, Hydrologic Science and Engineering, Geochemistry, GIS & Geoinformatics, Space Resources, Underground Construction and Tunneling and Data Science

▪ [Academic Catalog](#)

Experiential Major Menu

B.S., Geological 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 st year	2 nd Year	3 rd Year	4 th or final year
<div>Leadership & Innovation</div> <div></div>	<ul style="list-style-type: none">Join the Mines Rockhounding ClubExplore opportunities to get involved with the Undergraduate Student GovernmentExplore options to get involved with CLSA and Community CouncilsApply for the Environmental Leadership Lab trip and Scholars Program. Check the Daily Blast for more information in April.	<ul style="list-style-type: none">Attend the Leadership Summit and develop your leadership skills right on campusParticipate in the Leadership Workshop SeriesAttend the Hennebach Program lecturesSign up to engage in innovative thinking and real-world problem solving with Innov8x Challenge	<ul style="list-style-type: none">Organize department seminars through your societyBecome an officer in your societyApply 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">Apply for the student position on the GGE Executive TeamExpand your leadership in your society or organizationTake CSM 350: Special Studies in Leadership & Small Group Dynamics
<div>Professional Development</div> <div></div>	<ul style="list-style-type: none">Join the GGE Slack channelUpdate or create a college resume and get it reviewed with feedbackAttend Career Day to networkUse DiggerNet and Workday for employment opportunitiesEnroll in CSM 250 to plan your career path	<ul style="list-style-type: none">Attend Career Day for summer internship positionsJoin the Association of Environmental and Engineering Geologists or the Society of Economic Geologists for free as a studentJoin the American Association of Petroleum Geologists for \$10 or apply for a scholarshipFollow the Geology and Geological Engineering LinkedIn pageAttend the Chevron Lecture Series luncheon	<ul style="list-style-type: none">Consider opportunities for graduate schoolsApply for a GGE Summer Research FellowshipAttend Van Tuyl SeminarsTake Introduction to Research Ethics (SYGN 502) or Professional Oral Communication (LICM 501), both are graduate classes but accessible to Undergraduates.Write an article for SWE’s annual newsletterBe a tutor or lead core review with CASA	<ul style="list-style-type: none">Be a GGE tutorAttend Van Tuyl LecturesLook for full time employment at Career Day and on DiggerNet.Take advantage of the Career Center’s Offer Letter Review
<div>Research, Creative & Scholarly Achievement</div> <div></div>	<ul style="list-style-type: none">Explore the option of a summer with SURFPick 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 topicsFind a faculty member you are interested in working with and apply for MURFExplore classes offered through HASS	<ul style="list-style-type: none">Show your research outcomes in ReuleauxExplore options to join a musical group on campus or Mines Little TheaterTake Research, Values, and Communication (HASS 360)Co-author a paper with a fellow student or faculty memberManage departmental or student organization’s web and/or social media presence	<ul style="list-style-type: none">Present at a conference like National Groundwater Association or Rocky Mountain GSA.Present at the GGE and GP Research FairSubmit a piece of visual art, fiction, poetry or music to the High GradePresent at a conferencePresent at Mines Undergraduate Research Symposium
<div>Inclusive & Impactful Civic Engagement</div> <div></div>	<ul style="list-style-type: none">Apply to work at College View Middle School in Denver as a tutorJoin Society of Women Engineers as a menteeAttend 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 schoolsParticipate in Girls Lead The WayExamine different viewpoints with the movie and book recommendations from MEPSee how you can contribute to Mines Without Borders projectsJoin 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 BlastTutoring at local high schoolsExplore DI&A workshops along with trainings from SHAPEJoin the departmental DI&A CouncilServe as a panelist at Making The Connection or other recruitment eventsCoordinate an S2S community service event	<ul style="list-style-type: none">Tutor at a local high schoolVolunteer as a mentor for K-14 student with Rocky Mountain MESATake Art & Environmentalism in ItalyApply for a Mines DI&A community grant to help promote an inclusive campusFacilitate a workshop at Celebration of DI&A at Mines. Keep an eye on the Daily Blast for calls for proposals.
<div>Health & Well-being</div> <div></div>	<ul style="list-style-type: none">Participate In the Geology trail hikeParticipate in Oredigger Camp to build your Mines communityBalance studying for finals with daily wellness activities during Stress Less WeekBecome familiar with the Counseling Center’s servicesAttend a QPR suicide prevention trainingAttend a Bystander Intervention workshopAttend Fresh Check Day	<ul style="list-style-type: none">Sign up to be a part of intramural sportsGet financially savvy with Money MattersParticipate in a Peer Educator led workshopUtilize YOU@Mines to find personalized wellness resources to succeed, thrive & matter at MinesApply to be a Betsy’s Friends Peer EducatorCheck on your own health at the Sexual and Reproductive Wellness Fair	<ul style="list-style-type: none">Adventure with the Outdoor Recreation Center through an organized trip (domestic or international!) or rent gearGet CPR/First Aid certifiedPrioritize your sleep by grabbing a Bedside BoxOrganize a suicide prevention training or a Peer Education workshop for your student organizationDestress with some therapy dogs at Pause for PawsDo a personal training session with Rec Sports	<ul style="list-style-type: none">Show your loved ones everything you love about Mines at Family & Friends weekendParticipate in the Imposter Syndrome Peer Education workshop before heading out into the workforce or graduate schoolHelp manage your stress with Stress Less BoxTake a Self-Check at YOU@MinesDo a QPR refresh
<div>Academic Success</div> <div></div>	<ul style="list-style-type: none">Apply for GGE Scholarships through the Scholarship portalAttend GGE end of semester social functionsSign your family up for the CASA First-Year Family Newsletter so they can support your academic successAttend 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">Participate in the GGE Orienteering Race.Mandatory Advising.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">Participate in the Summer Field Session- May/June, 5 weeksStart to request letters of recommendation for graduate schoolMandatory Advising	<ul style="list-style-type: none">Required senior design coursesApply to graduate school and/or jobs

