Mines is more than an experience—it’s a transformative journey, a crucible of resilience that shapes champions who thrive amidst challenges. It goes beyond academics, forging not just bonds but lifetime connections, and hones talent into true strength and character. Innovation becomes a way of life, and each graduate carries on that torch of ingenuity.

Just imagine the difference Mines graduates will make in this world.

---

4,610 Jobs Posted on DiggerNet

1,470 Organizations Recruited or Hired at Mines

95% Positive Outcomes Rate

4,833 Students and Recent Graduates Used Career Services an Average of 3 Times

#4 Best Colleges for ROI

1 US News (2022) https://www.mines.edu/about/rankings

2 BS, MS, PhD. Employed in industry, government, or military, continuing education, or international students returning to their home countries.
“Most of my peers at Mines wanted to pursue a career in industry, and some students wanted to explore research and academia. Industry and academia are two great options for Mines graduates, but they are not the only options. When I first came to Mines, I thought I had found my passion. Classes began, I met new friends, and people started asking me, “Why are you at an engineering school if you want to be a doctor?” I have never had a great answer to this, since Mines simply felt like the place I belonged.

Some Mines students might not know what their passion is, and that is okay. It is okay to try new things, and if you do not like it, then you can cross one more option off your very long list. Graduating from Mines can take you anywhere, and by the time you graduate, I know you will have the power, initiative, and courage to forge your own path forward.”

AZLAN TUBBS
Computational & Applied Mathematics
BS 2023
Medical Student at Texas Tech University Health Sciences Center School of Medicine
Hometown: Colorado Springs, CO

President of Society of Women Engineers
Founder & President of American Medical Women’s Association chapter
President of Society of Women in Mathematics
The Class of 2023 rose above all hurdles that came their way to graduate with a Mines degree. They learned to face challenges head on with the pandemic pervading their collegiate career yet not deterring them from achieving their goals.

61% Accepted Positions in Colorado

21% Continued to Advanced Education

1,962 Total Graduates

REPORT METHODOLOGY

The First Destination Survey collects information from Mines graduates about their post-graduation plans. The survey follows collection and reporting guidelines provided by the National Association of Colleges and Employers (NACE), and collects additional information identified as relevant specific to Mines. Graduates are invited to complete the survey the semester they graduate through six months following the graduating class. The electronic survey instrument is voluntary to complete but strongly encouraged. The Career Center manages a standardized data collection process and reporting timeline to ensure consistency year-to-year.

“Positive outcomes” are defined by NACE as graduates committed to their first destination including jobs in industry, government, military, service, those going to graduate or professional school, as well as international students returning to their home countries. Non-responsive or self-reported “not looking” graduates are removed from reported data. Data is collected for 6 months following the close of the year, inclusive of August, December, and May graduates.

Salary statistics are coded as N/A when 3 or less graduates report salary data for the full-time employed category of a respective program to maintain confidentiality of graduates. Data collected from these graduates is incorporated into overall calculations. In alignment with NACE guidance, salary data is not reported when graduates are pursuing pathways other than employment and/or respondents did not report salary data. Salaries listed are self-reported annual base salaries—not including bonuses or other forms of compensation—for accepted full-time employment offers in industry only, excluding positive outcomes of graduate school, military, service, and international.
The following includes data for undergraduate students who graduated August 2022, December 2022, and May 2023. Mines Career Center is pleased to provide outreach and support to all students both prior to graduation and for two years following graduation.

**94%**
Positive Bachelors Outcomes

**61%**
Bachelors Grads Accepted Jobs in Colorado

**1,205**
Bachelors Graduates

**JOBS ACCEPTED BY LOCATION**

**UNDERGRADUATE OUTCOMES**

**UNDERGRADUATE OUTCOMES BY MAJOR**

<table>
<thead>
<tr>
<th>DEPARTMENT</th>
<th>LOW SALARY</th>
<th>AVERAGE SALARY</th>
<th>MEDIAN SALARY</th>
<th>HIGH SALARY</th>
<th>POSITIVE OUTCOMES</th>
<th>GRADUATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Mathematics &amp; Statistics</td>
<td>$53,000</td>
<td>$80,900</td>
<td>$66,250</td>
<td>$95,000</td>
<td>87%</td>
<td>32</td>
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<td>Biochemistry</td>
<td>$34,000</td>
<td>$43,667</td>
<td>$47,000</td>
<td>$50,000</td>
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<td>20</td>
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<tr>
<td>Chemical Engineering</td>
<td>$38,000</td>
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<td>$75,000</td>
<td>$110,000</td>
<td>93%</td>
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<td>Civil Engineering</td>
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<td>$71,500</td>
<td>$102,000</td>
<td>97%</td>
<td>83</td>
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<tr>
<td>Computer Science</td>
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<td>$92,213</td>
<td>$86,500</td>
<td>$190,000</td>
<td>94%</td>
<td>222</td>
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<tr>
<td>Design Engineering</td>
<td>$60,000</td>
<td>$70,050</td>
<td>$66,100</td>
<td>$88,000</td>
<td>75%</td>
<td>13</td>
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<tr>
<td>Economics</td>
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<td>N/A</td>
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<tr>
<td>Electrical Engineering</td>
<td>$45,780</td>
<td>$82,182</td>
<td>$81,500</td>
<td>$135,000</td>
<td>97%</td>
<td>80</td>
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<td>Engineering</td>
<td>N/A</td>
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<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Engineering Physics</td>
<td>$40,560</td>
<td>$75,918</td>
<td>$80,000</td>
<td>$102,000</td>
<td>98%</td>
<td>53</td>
</tr>
<tr>
<td>Environmental Engineering</td>
<td>$45,000</td>
<td>$88,809</td>
<td>$71,750</td>
<td>$77,000</td>
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<td>30</td>
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<td>Geological Engineering</td>
<td>$41,000</td>
<td>$69,183</td>
<td>$72,500</td>
<td>$81,900</td>
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<tr>
<td>Geophysical Engineering</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>100%</td>
<td>20</td>
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<tr>
<td>Mechanical Engineering</td>
<td>$43,646</td>
<td>$73,700</td>
<td>$75,000</td>
<td>$101,000</td>
<td>92%</td>
<td>321</td>
</tr>
<tr>
<td>Metallurgical &amp; Materials Engineering</td>
<td>$65,000</td>
<td>$80,132</td>
<td>$75,000</td>
<td>$156,000</td>
<td>91%</td>
<td>61</td>
</tr>
<tr>
<td>Mining Engineering</td>
<td>$60,000</td>
<td>$83,115</td>
<td>$82,000</td>
<td>$110,000</td>
<td>100%</td>
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<tr>
<td>Petroleum Engineering</td>
<td>$44,748</td>
<td>$83,392</td>
<td>$80,000</td>
<td>$125,000</td>
<td>100%</td>
<td>60</td>
</tr>
<tr>
<td>Undergraduate Overall</td>
<td>$34,000</td>
<td>$78,600</td>
<td>$76,400</td>
<td>$190,000</td>
<td>94%</td>
<td>1,205</td>
</tr>
</tbody>
</table>

**TOTAL BS GRADUATES**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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</thead>
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<tr>
<td>1050</td>
<td>1100</td>
<td>1150</td>
<td>1200</td>
<td>1000</td>
<td>1225</td>
</tr>
</tbody>
</table>

1 See Page 7 for Report Methodology. The above chart references data collected up to six months after the close of the academic year.
2 The Career Center coordinates with Institutional Research (IR) at Mines. Detailed outcome and salary data is available through Tableau/IR for tailored, accessible reports for the Mines community.
3 Represents distinct count of graduates factoring out double majors and degrees.

**92%**
Data Collection Rate
The Career Center tracks job search progress for graduates from the prior year and provides services for up to two years post-graduation. Post-graduation positive outcomes include:

- Graduates who have accepted positions in areas of industry, government, or military
- Those who have chosen continued education as their next step
- International students who have returned to their home countries

### Graduation Year - Original & Updated Positive Outcomes

<table>
<thead>
<tr>
<th>Graduation Year</th>
<th>Original Positive Outcomes</th>
<th>Updated Positive Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021-2022</td>
<td>92%</td>
<td>95%</td>
</tr>
<tr>
<td>2020-2021</td>
<td>92%</td>
<td>95%</td>
</tr>
<tr>
<td>2019-2020</td>
<td>95%</td>
<td>98%</td>
</tr>
<tr>
<td>2018-2019</td>
<td>94%</td>
<td>98%</td>
</tr>
</tbody>
</table>

### BS Graduates that pursued graduate studies did so at Mines

- University of New Mexico
- University of Oregon
- Vanderbilt University
- Western Washington University

### Undergraduate Outcomes

**Orediggers Were Accepted at These Grad Schools**

- Arizona State University
- Boise State University
- Carnegie Mellon University
- Colorado School of Mines
- Columbia University
- DePaul University
- Georgia Institute of Technology
- Johns Hopkins University
- New York University
- Northwestern University
- Portland State University
- Purdue University
- Stanford University
- Texas Tech University
- The University of Texas at Austin
- University of Arizona
- University of California-Davis
- University of California-Los Angeles
- University of California-Santa Barbara
- University of Colorado Boulder
- University of Florida

### Jobs Accepted by Industry

- Aerospace | Defense | Aviation - 18%
- Civil | Construction - 14%
- Energy | Oil & Gas - 15%
- High Tech | Information Technology - 13%
- Manufacturing | Machinery | Equipment - 8%
- Metals - 1%
- Mining - 4%
- Biotech | Biologics | Pharmaceuticals - 1%
- Chemicals - <1%
- Electronics | Electrical Components - 4%
- Environmental Resources | Water - 2%
- Healthcare | Medical Equipment - 2%
- Engineering | Engineering Research - 4%
- Finance | Financial Services | Insurance - 1%
- Government | Public Sector - 4%
- Logistics | Supply Chain Management - 4%
- Legal | Law - <1%
- Manufacturing | Machinery | Equipment - 8%
- Materials | Minerals - 1%
- Mining | Metal Mining - 4%
- Municipal | Public Service - 4%
- Retail | Wholesale - <1%
- Transportation | Logistics - <1%
- Utilities | Power - 1%
- Energy | Alternative | Renewable - 1%
- Biotech | Biologics | Pharmaceuticals - 1%
- Utilities | Power - 1%
- Energy | Alternative | Renewable - 1%
- Biotech | Biologics | Pharmaceuticals - 1%
- Utilities | Power - 1%
- Energy | Alternative | Renewable - 1%
- Biotech | Biologics | Pharmaceuticals - 1%
- Utilities | Power - 1%
UNDERGRADUATE EXPERIENTIAL LEARNING

INTERNSHIP AND TECHNICAL EXPERIENCE FOR 2022-2023 GRADUATES

Mines is dedicated to the practice of hands-on learning and real-world experiences that prepare students to contribute immediately upon entry into the workforce. We encourage our students to explore a variety of experiential learning settings through research, cooperative education, and internships. These opportunities provide professional development to complement their Mines education.

73% Bachelors Students Graduated With Technical Work Experience

585 Partnering Organizations

882 students graduated with documented, relevant technical work or research experience across 42 states and 10 countries.

42 States

10 Countries

UNDERGRADUATE TECHNICAL EXPERIENCE BY LOCATION

“\[As reported by 2022-2023 graduates about their internship and technical experiences while enrolled as undergraduate students at Mines.\]

8
Australia, Canada, Peru, Indonesia, Germany, Saudi Arabia, Sweden, France, Austria, Zambia

SUMMER 2023 INTERNSHIP EXPERIENCES

Students reported exciting internship opportunities for the Summer of 2023. Internships have a strong correlation to full time job opportunities. The Career Center staff worked proactively with employers and students to connect these opportunities with qualified applicants. This resulted in over 766 student internships voluntarily reported.

Average hourly salaries reported for summer of 2023 ranged from $15.00 per hour to $54.00 per hour with an average of $25 per hour. More details can be found at mines.edu/careers.

$25/hr Average Internship Salary

“I held a variety of internships while at Mines. I interned with Resource Capital Funds, on a mining private equity team. While there I learned a substantial amount about the mining industry, how to value mining projects, and a very in-depth understanding of the industry. While at Mines I also interned with a natural resources focused hedge fund, which allowed me to further my knowledge of natural resources companies.”

– Connor Olson, MS Mineral and Energy Economics, 2022
“I chose to come to Mines for the opportunities it provided in furthering one’s STEM career. I took a liking to Computer Science in high school and wanted to stay close enough to my family in Denver while still making the most of my time in college. Thus, Mines was the perfect fit for me. Wherever life takes me, I hope to be able to give back to the many communities that have provided me with such wonderful opportunities, including Society of Hispanic Professional Engineers (SHPE), Colorado, and, of course, Mines.”

GABRIEL DEL CASTILLO

Computer Science
BS 2024
Hometown:
Caracas, Venezuela

Internships:
Amazon Web Services
Aurora Sister Cities
Career Center at Mines
The following includes data for masters-level students who graduated August 2022, December 2022, and May 2023. Mines Career Center is pleased to provide outreach and support to all students both prior to graduation and for two years following graduation.

97% Positive MS Outcomes

JOBS ACCEPTED BY LOCATION

65% MS Grads Accepted Jobs in Colorado

621 Masters Graduates

MS OUTCOMES BY MAJOR

<table>
<thead>
<tr>
<th>DEPARTMENT</th>
<th>LOW SALARY</th>
<th>AVERAGE SALARY</th>
<th>MEDIAN SALARY</th>
<th>HIGH SALARY</th>
<th>POSITIVE OUTCOMES</th>
<th>GRADUATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additive Manufacturing</td>
<td>$67,000</td>
<td>$90,791</td>
<td>$93,955</td>
<td>$125,000</td>
<td>100%</td>
<td>8</td>
</tr>
<tr>
<td>Advanced Energy Systems</td>
<td>$63,000</td>
<td>$89,714</td>
<td>$85,000</td>
<td>$120,000</td>
<td>100%</td>
<td>27</td>
</tr>
<tr>
<td>Advanced Manufacturing</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Applied Mathematics &amp; Statistics</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Applied Physics</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<td>14</td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>$66,000</td>
<td>$90,933</td>
<td>$89,300</td>
<td>$133,500</td>
<td>100%</td>
<td>25</td>
</tr>
<tr>
<td>Chemistry</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Civil &amp; Environmental Engineering</td>
<td>$69,500</td>
<td>$73,605</td>
<td>$73,000</td>
<td>$80,000</td>
<td>100%</td>
<td>28</td>
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<tr>
<td>Computer Science</td>
<td>$72,000</td>
<td>$103,348</td>
<td>$100,000</td>
<td>$144,000</td>
<td>100%</td>
<td>68</td>
</tr>
<tr>
<td>Data Science</td>
<td>$88,500</td>
<td>$98,767</td>
<td>$96,000</td>
<td>$110,000</td>
<td>100%</td>
<td>12</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>$66,000</td>
<td>$94,271</td>
<td>$94,000</td>
<td>$120,000</td>
<td>100%</td>
<td>17</td>
</tr>
<tr>
<td>Engineering &amp; Technology Management</td>
<td>$70,000</td>
<td>$93,344</td>
<td>$93,000</td>
<td>$112,600</td>
<td>100%</td>
<td>40</td>
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<td>Environmental Engineering Science</td>
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<td>N/A</td>
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<tr>
<td>Geological Engineering</td>
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<td>$115,000</td>
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<tr>
<td>Geology</td>
<td>$60,000</td>
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<td>$110,000</td>
<td>$156,000</td>
<td>94%</td>
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<tr>
<td>Geophysical Engineering</td>
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<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Geophysics</td>
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<td>4</td>
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<tr>
<td>GIS &amp; Geoinformatics</td>
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<tr>
<td>Humanitarian Engineering &amp; Science</td>
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<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Hydrology</td>
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<td>$15,510</td>
<td>$17,000</td>
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<tr>
<td>Materials Science</td>
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<td>$61,920</td>
<td>$65,000</td>
<td>$75,000</td>
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<td>Mechanical Engineering</td>
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<td>$83,916</td>
<td>$87,500</td>
<td>$109,400</td>
<td>100%</td>
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<tr>
<td>Metallurgical &amp; Materials Engineering</td>
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<td>$85,380</td>
<td>$82,500</td>
<td>$104,400</td>
<td>100%</td>
<td>9</td>
</tr>
<tr>
<td>Mineral &amp; Energy Economics</td>
<td>$74,000</td>
<td>$78,625</td>
<td>$71,750</td>
<td>$85,000</td>
<td>100%</td>
<td>25</td>
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<tr>
<td>Mining &amp; Earth Systems Engineering</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td>9</td>
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<tr>
<td>Natural Resources &amp; Energy Policy</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Operations Research with Engineering</td>
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<td>N/A</td>
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<tr>
<td>Petroleum Engineering</td>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<td>Physics</td>
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<td>N/A</td>
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<td>N/A</td>
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<tr>
<td>Quantitative Biosciences &amp; Engineering</td>
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<td>N/A</td>
<td></td>
<td>4</td>
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<tr>
<td>Quantum Engineering</td>
<td>$60,000</td>
<td>$82,667</td>
<td>$80,000</td>
<td>$108,000</td>
<td>100%</td>
<td>10</td>
</tr>
<tr>
<td>Robotics</td>
<td>$75,000</td>
<td>$93,143</td>
<td>$92,000</td>
<td>$115,000</td>
<td>100%</td>
<td>12</td>
</tr>
<tr>
<td>Space Resources</td>
<td>$100,000</td>
<td>$131,250</td>
<td>$122,500</td>
<td>$180,000</td>
<td>100%</td>
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</tr>
<tr>
<td>Underground Construction &amp; Tunnel Engineering</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>MS Overall</td>
<td>$32,500</td>
<td>$88,600</td>
<td>$84,500</td>
<td>$180,000</td>
<td>97%</td>
<td>481</td>
</tr>
</tbody>
</table>

1 Includes Graduate Certificates, Master of Engineering and Master of Science
2 See Page 7 for Report Methodology. The above chart references data collected up to six months after the close of the academic year.
3 The Career Center coordinates with Institutional Research (IR) at Mines. Detailed outcome and salary data is available through Tableau/IR for tailored, accessible reports for the Mines community.
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- Graduates who have accepted positions in areas of industry, government, or military
- Those who have chosen continued education as their next step
- International students who have returned to their home countries

**Graduation Year**  | **Original Positive Outcomes** | **Updated Positive Outcomes**
---|---|---
2021-2022 | 92% | 95%
2020-2021 | 92% | 94%
2019-2020 | 96% | 98%
2018-2019 | 97% | 100%

Masters Graduates that pursued Advanced Education did so at Mines

Arizona State University  
**Colorado School of Mines**  
Massachusetts Institute of Technology  
Rice University  
Southern Methodist University

Texas Tech University  
The University of Texas at Austin  
University of Central Florida  
University of Colorado Boulder  
University of Hawaii at Manoa  
Vanderbilt University

**Data is collected for all degree types in Tableau.**
The following includes data for PhD students who graduated August 2022, December 2022, and May 2023. Mines Career Center is pleased to provide outreach and support to all students both prior to graduation and for two years following graduation.

**JOBS ACCEPTED BY LOCATION**

51% PhD Grads Accepted Jobs in Colorado

**PhD OUTCOMES**

98% Positive PhD Outcomes

**PhD OUTCOMES BY MAJOR**

<table>
<thead>
<tr>
<th>DEPARTMENT</th>
<th>LOW SALARY</th>
<th>AVERAGE SALARY</th>
<th>MEDIAN SALARY</th>
<th>HIGH SALARY</th>
<th>POSITIVE OUTCOMES</th>
<th>GRADUATES3</th>
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<tbody>
<tr>
<td>Advanced Energy Systems</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<td>$72,667</td>
<td>$68,000</td>
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<tr>
<td>Applied Physics</td>
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<tr>
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<td>$115,000</td>
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<tr>
<td>Civil &amp; Environmental</td>
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<td>$111,000</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Computer Science</td>
<td>$60,000</td>
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<td>$131,000</td>
<td>$176,400</td>
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<td>N/A</td>
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</tr>
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<tr>
<td>Geological Engineering</td>
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<td>N/A</td>
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<td>N/A</td>
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<tr>
<td>Metallurgical &amp; Materials</td>
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<td>Engineering</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mineral &amp; Energy Economics</td>
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<td>N/A</td>
<td>N/A</td>
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<td>Mining</td>
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<td>N/A</td>
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<td>Operations Research</td>
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<td>N/A</td>
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<td>Operations Research with</td>
<td>N/A</td>
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<td>N/A</td>
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<td>100%</td>
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<tr>
<td>Engineering</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum Engineering</td>
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<td>$120,000</td>
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<td>$130,000</td>
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<td>Physics</td>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Quantitative Biosciences &amp;</td>
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<td>N/A</td>
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<td>N/A</td>
<td>100%</td>
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</tr>
<tr>
<td>Engineering</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Space Resources</td>
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<td>N/A</td>
<td>N/A</td>
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<tr>
<td>PhD Overall</td>
<td>$45,000</td>
<td>$98,900</td>
<td>$99,500</td>
<td>$176,400</td>
<td>98%</td>
<td>136</td>
</tr>
</tbody>
</table>

1 See Page 7 for Report Methodology. The above chart references data collected up to six months after the close of the academic year.
2 The Career Center coordinates with Institutional Research (IR) at Mines. Detailed outcome and salary data is available through Tableau/IR for tailored, accessible reports for the Mines community.
3 Represents distinct count of graduates factoring out double majors and degrees.

96% Data Collection Rate
**PhD Outcomes**

**Jobs Accepted by Industry**

<table>
<thead>
<tr>
<th>Industry</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturing</td>
<td>Machinery</td>
</tr>
<tr>
<td>Electronics</td>
<td>Electrical Components</td>
</tr>
<tr>
<td>Aerospace</td>
<td>Defense</td>
</tr>
<tr>
<td>Metals</td>
<td>3%</td>
</tr>
<tr>
<td>Humanitarian</td>
<td>Non-Profits</td>
</tr>
<tr>
<td>Consulting</td>
<td>3%</td>
</tr>
<tr>
<td>Mining</td>
<td>5%</td>
</tr>
<tr>
<td>High Tech</td>
<td>Information Technology</td>
</tr>
<tr>
<td>Energy</td>
<td>Alternative</td>
</tr>
<tr>
<td>Energy</td>
<td>Oil &amp; Gas</td>
</tr>
<tr>
<td>Civil</td>
<td>Construction</td>
</tr>
<tr>
<td>Education</td>
<td>Instruction</td>
</tr>
<tr>
<td>Government</td>
<td>Public Sector</td>
</tr>
</tbody>
</table>

**Update for PhD Class of 2021-2022**

The Career Center tracks job search progress for graduates from the prior year and provides services for up to two years post-graduation. Post-graduation positive outcomes include:

- Graduates who have accepted positions in areas of industry, government, or military
- Those who have chosen continued education as their next step
- International students who have returned to their home countries

**Graduation Year** | **Original Positive Outcomes** | **Updated Positive Outcomes**
--- | --- | ---
2021-2022 | 98% | 98%
2020-2021 | 96% | 98%
2019-2020 | 99% | 100%
2018-2019 | 100% | 100%

**Maxwell Silver**

Hydrology
PhD 2023
Post-Doctoral Researcher in Paris, France at the Institut Physique du Globe Paris at Université Paris Citén
**Hometown:** Puyallup, Washington
**Internship:** International Ocean Discovery Program (IODP Expedition 386)
Mines Graduate Student Government President

**Do It!**

“When I saw an opportunity to study hydrology and ocean environments at Mines I jumped at the opportunity! The Hydrologic Science and Engineering program and Geophysics and Geology departments are awesome! Plus Golden is beautiful and so close to everything else Colorado has to offer. Try not to be discouraged if you do not do well in the beginning, you will adjust and recover! Try to fight against your own imposter syndrome as much as you can!”
HELPING EMPLOYERS RECRUIT A DIVERSE WORKFORCE

The Mines Career Center is dedicated to advancing diversity and inclusion work on campus to meet the needs of students representing various identities, backgrounds and experiences, along with employers seeking to recruit a diverse workforce. The following list is a brief overview of activities the Mines Career Center has led or participated in this year to expand our knowledge and advocate for students:

- Held regular drop-in hours at the Multicultural Engineering Program (MEP) office to create a welcoming environment for students to utilize career and professional development services.
- Presented several workshops in collaboration with various Multicultural Engineering Program student organizations, such as the American Indian Science and Engineering Society (AISES), Society of Hispanic Professional Engineers (SHPE), and MEP Student Org Leaders.
- Held a networking etiquette workshop with 45 attendees in conjunction with the Multicultural Engineering Program and campus affinity groups.
- Hosted a two-part Career Day Success workshop for International Students to help international students prepare and feel confident for Career Day.
- Worked in conjunction with the Professional and Scholar Communities Applied Learning (PASCAL) Center to support the Bliss First-Generation Scholars application review.
- Led a LinkedIn and Professional Branding Workshop for the Association for Computing Machinery-Women (ACM-W).
- Through collaboration with Disability Support Services and Colorado Department of Vocational Rehab, hosted a workshop on Disability Disclosure and Accommodation Requests in the Workplace. The program provided important information to attendees about disclosure best practices and advice.
- Partnered with the Canadian Embassy to highlight the Express Entry program and the Embassy of Australia for a webinar on Australia’s Global Talent Visa Program. Participation indicated continued interest of Mines students to take their education globally.

PROGRAM HIGHLIGHT

This year, all career advising staff completed training and certification in Salary Negotiation presented by the American Association of University Women. Additionally, they presented salary negotiation workshops for Society of Women Engineers (SWE) and WISEM.

THE MINES STRATEGIC PLAN FOR DIVERSITY, INCLUSION & ACCESS

At Colorado School of Mines, we believe that a diverse and inclusive campus environment inspires creativity and innovation, which are essential to the engineering process. We also know that in order to address current and emerging national and global challenges, it is important to learn with and from people who have different backgrounds, thoughts, and experiences. As Colorado School of Mines prepares for our 150th anniversary in 2024, dynamic change is all around us. We must navigate an increasingly competitive higher education landscape, respond to the changing education and innovation needs of industry and society, and not rest on the laurels of our current and past accomplishments. As such, the Mines community aims to:

- Attract, retain, and graduate a thriving and diverse student body
- Attract, retain, develop and promote a thriving and diverse employee community
- Cultivate a campus culture that promotes and celebrates inclusion and achievement
- Inspire a shared responsibility, participation, and accountability for diversity, inclusion & access efforts across the entire Mines community
“I’m currently employed as a civil engineer in land development and get to work on low impact solutions for storm water management on projects. These solutions are very interesting, and it’s cool to learn about different jurisdictions and their requirements regarding the matter. I do hope to excel and, in the future, have even more focus on low impact development, and environmentally friendly solutions to storm water management.”

SELENA ELEKOVIC

Environmental Engineering
BS 2023
Civil Engineer at Galloway & Company
Hometown: Zrenjanin, Serbia

Internships:
Tribal One
International Erosion Control Association
Vallejo Irvine Program for Professional Development
In the 2022-2023 academic year, the Career Center hosted 7 career panels designed to provide students with information related to industry, graduate school, and various career paths.

Career Panels included:
- Alternative Engineering
- BioScience Renewable Energy
- Consulting
- Computer Science
- Graduate School
- Start-Up Careers

Industry panels continue to engage students both in learning about career paths and networking with employers due to the continued relationships between the Career Center, campus partners, and departments. Many panels offered this year were in collaboration with departments, including Computer Science, C-MAPP, Graduate Admissions, Graduate Student Government, Natural Resources & Energy Policy, McNeil Center for Entrepreneurship & Innovation, and Humanitarian Engineering.

CSM 250—ENGINEERING YOUR CAREER PATH

Engineering your Career Path is a 1-credit course designed to provide students with advanced career planning and job searching tools that are instrumental in obtaining internships, co-ops, research, and full-time positions. The class gives guidance on transitioning into a career, building career and life success after graduation, progressing to the next move, and making a positive impact in their chosen profession.

Five sections of CSM 250 were taught: 3 in the Fall semester and 2 in the Spring semester, with a total enrollment of 106 students.

More than 540 students held individual appointments for a total of 1,020 appointments both virtually and in person to support job and internship search strategies, resume and cover letter reviews, interview practice, contract reviews and negotiation, and career and major exploration. Additionally, the Career Center piloted Peer Career Advisors and saw an additional 450 student meetings during weekly drop-in hours.

The Career Center provided workshops and rapid resume reviews to all Mines students and special student groups including NeST Peer Mentors, CASA, ISSS, ACM-W, ISPE, Residence Life, SWE, ANSC, AIAA, and Fraternity and Sorority Life. Career Center also provided targeted drop-in hours partnering with Multicultural Engineering Program as well as participated in the Graduate Student Toolkit Series, developing career and professional development skills for Mines graduate students.

4,833 students and recent graduates used career services an average of 3 times over the course of the 2022-2023 school year.

Career Center staff provided professional development training to various academic department field sessions and courses, each with tailored major advisement and resources. Staff collaborated with departments including Physics, Petroleum Engineering, Metallurgical and Materials Engineering, Wellness Promotion, Chemistry, and Economics. Through these sessions, over 300 students were reached.

In the 2022-2023 academic year, 58 workshops and Rapid Resume Reviews were conducted to reach undergraduate, graduate, and alumni students and to assist with Career Day preparations and students’ job and internship search. Career Center also partnered with New Student and Transition Services, Residence Life, and Center for Academic Services and Advising to offer more tailored workshops for campus student leaders.

Career Center staff launched a professional photos program offering students the opportunity to get a professional photo taken and edited for free. The Career Center provided 280 photos.

58 Workshops

Go back to the map of the world.

JUSTIN ORJI

Computer Science
BS 2022
Software Engineer,
Northrop Grumman
Hometown:
Vancouver, B.C., Canada
Internships:
WorldVenture and IBM

Career Center staff provided professional development training to various academic department field sessions and courses, each with tailored major advisement and resources. Staff collaborated with departments including Physics, Petroleum Engineering, Metallurgical and Materials Engineering, Wellness Promotion, Chemistry, and Economics. Through these sessions, over 300 students were reached.

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58 Workshops

Go back to the map of the world.
CAREER CENTER SERVICES

TOOLS FOR ENGINEERING YOUR CAREER: THE MINES STRATEGY

This career manual provides a resource for students to gain tips and strategies on exploring a career path and job searching, including sample resumes and cover letters, instructions on interviewing, and salary negotiation processes. It is available in print and online at careers.mines.edu.

STUDENT EMPLOYMENT/ON-CAMPUS JOBS

On-campus jobs: 163 jobs posted, with 50 departments represented

- Student Assistant Job Fair—Fall 2022
  - Attending Departments: 25
  - Students Attending: 224

CAREER CENTER FOR MINES@150

The Mines Career Center presents a more diverse portfolio of opportunities to students who, themselves, are more diverse in their preparation, education, interests and experience. These offerings align with the tenets of Mines@150. We are creating a Career Center with expanded professional development opportunities to guarantee distinctive leadership and professional aptitude across the graduating classes. This effort is supported by a diversified portfolio of employers as well as greater industry and academic engagement.

As part of Mines@150, the Career Center will support the goal of becoming: “A preferred partner for talent, solutions and life-long learning,” as well as, “The exemplar for alumni affinity, visibility and involvement,” as defined by:

- Professional development opportunities to produce career-ready graduates
- Preparation for graduate school at Mines and elsewhere, including professional school such as law, medicine and business
- Further diversified portfolio of recruiters and employers
- Enhanced focus on experiential learning such as internships, co-ops and undergraduate research
- Continuously expanded portfolio of student-facing services
- Impactful industry and academic departmental engagement
The 2022-2023 academic year saw increased employer activity on campus. The most significant increase in employer participation was on-campus interviews, information sessions, and Career Day attendance. On-campus interviews increased by 59%, information sessions increased by 25%, and Career Days employer attendance increased by 22%. These increases indicate a shift in on-campus engagement following the COVID-19 pandemic.
CAREER DAY
Following previous trends, the Career Center hosted both an in-person and virtual Career Day in the fall. Interest from civil companies was particularly high, leading to an additional Civil Construction/Consulting event. Engagement was strong for the in-person Career Day, however interest in the virtual event was significantly lower. After thorough data analysis, in-person career events were determined to be the best modality. The spring fair was Mines’ first-ever two-day in-person Career Days, bringing more employers to campus than ever before in the spring recruiting season, and paving the way for future two-day Career Day events.

INDUSTRIES REPRESENTED AT CAREER DAY

PREP WITH REPS
Prep with Reps (formerly WIRED) is a signature event to help students prepare for Career Day. This year, the Career Center redesigned the Prep with Reps event. The event was separated into a variety of zones including a resume, mock interviewing, and elevator pitch zone. Employer representatives were assigned between the zones.

Additionally, the Career Center partnered with a variety of campus partners including the Vallejo Irvine Program (VIP) for Professional Development, Mines Counseling Center, and Student Wellness Center to offer additional services and resources to students in advance of Career Day.

Overall, the new model was well-received by employers, students, and campus partners. The program received the Student Life Program of the Year award.

Fall Highlights:
→ 26 employers with 70 representatives
→ 974 student attendees (almost 3 times more students than previous Fall)

Spring Highlights:
→ 24 employers with 60 representatives
→ 408 student attendees (more than 2 times more students than previous Spring)

FALL COMPARISONS
Fall 2022 26 Employers 974 Students
Fall 2021 30 Employers 319 Students

SPRING COMPARISONS
Spring 2022 24 Employers 408 Students
Spring 2021 19 Employers 173 Students

The Career Center supports a number of additional events surrounding Career Days, including Society of Women Engineers (SWE) Evening with Industry, Institute of Electrical and Electronics Engineers (IEEE) Evening with Executives, American Institute of Chemical Engineers (AiChe) Rotational Dinner, and Veterans Alliance Heroes Dinner, along with numerous other employer engagement activities.
ON-CAMPUS RECRUITING

Following the Fall Career Days, 42 companies remained on-campus for the week to interview students, resulting in 712 interviews, many being held the next day. In the weeks following the Fall Career Days, 17 companies visited for campus interviews resulting in 230 additional interviews. Following the Spring Career Days, 43 companies conducted on-campus interviews in correlation with attending the event. A total of 425 interviews were conducted during the week of Spring Career Days. 17 companies hosted interviews outside of Career Days with 126 additional interviews being held.

1,493 On-Campus Interviews

RECRUITMENT TECHNOLOGY

Career Fair Plus continues to be a valuable resource for both in-person Career Days and beyond. This platform served as a Career Day employer list and booth map guide, and supplemented marketing efforts for info sessions, panels, and workshops. Fall 2022 brought more employer interest than could be hosted with a one-day fair, so an Employer Spotlight was created using Career Fair Plus to promote employers and their opportunities to students in the weeks following Career Day. This technology also provides a vast amount of analytics on the use of the platform. Data collected has provided more data-driven decision-making with employer engagement initiatives and planning for future events.

DIGGERNET ON-LINE CAREER MANAGEMENT SYSTEM

Job Postings on DiggerNet
870 employers posted a total of 4,610 jobs on DiggerNet in 2022-2023 with 3,346 of these positions being full-time. This is a 37% increase in full-time job postings. This increase can be attributed to a newly utilized feature in DiggerNet which allows approved employers to share job opportunities at a higher scale.

Internship/Co-op Postings
380 employers posted 1,064 internships and 148 co-ops. Co-op opportunities increased by 32% from last year.

Student Activity
4,865 students logged into DiggerNet with an average of 5 logins per student for 24,563 total logins to the platform. Students utilized DiggerNet to schedule career advising, register for events, and apply for internships, jobs, and on-campus employment. DiggerNet usage has decreased year over year and that is likely because there were less virtual engagement opportunities than were offered during the height of the COVID-19 pandemic, while more were in person.

JOBSCAN

Jobscan is an automated resume tool that helps students identify the changes they can make to customize their resume for job descriptions and get past applicant tracking systems (ATS). Jobscan’s tailoring tool also works for cover letters and LinkedIn; it has an ATS friendly resume builder, and a job application tracking tool for students to use.

In 2022-2023 306 new students signed up for Jobscan accounts. New and existing users completed 3,400 resume scans to tailor their resumes for job applications.

129 Employer Information Sessions
4,865 Students Logged Into DiggerNet
1,403 Students Attended Information Sessions
"I’m deeply engaged in my role as a PhD candidate in the realm of petroleum engineering, specializing in unconventional reservoir modeling. This avenue of exploration is both intellectually stimulating and remarkably challenging, as I’m navigating uncharted territory with the hope of offering a fresh perspective that could complement existing models. The excitement I feel emanates from the potential to contribute to our understanding of reservoir dynamics. Through my work with unconventional reservoirs, I aspire to uncover insights that might offer a new angle on energy extraction and utilization. The sense of fulfillment comes from the thought that my modest research endeavors could potentially play a small part in advancing resource management practices towards a more sustainable future... I’m committed to contributing to the efficient and sustainable extraction of resources to meet growing demands. Balancing technical excellence with environmental responsibility, I aim to innovate and collaborate to address the world’s energy challenges while minimizing environmental impact.”

**GIZEM YILDIRIM**

Petroleum Engineering
PhD 2024

**Hometown:**
Istanbul, Turkey

**Internships:**
EOG Resources
Reservoir Engineering
Over 1,470 organizations participated in recruiting and professional development efforts with Colorado School of Mines. The following lists all the employers who actively engaged in recruiting at Mines, whether for hiring for jobs and internships, or participating in Career Days, information sessions, on-campus interviews, career panels, and DiggerNet postings. We thank them for their partnership.
The 2022-2023 Colorado School of Mines Career Center Annual Report was written and produced by Wendy Winter-Searcy, Director, in collaboration with Katy Armstrong, Associate Director of Career and Professional Development and Rebecca Martinez, Associate Director of Employer Engagement, with contributions from Adriana Alba, Assistant Director of Employer Engagement and Events, Annie Doman, Employer Engagement Coordinator, Rose Foody, Career and Professional Development Advisor, and Jane Cain, Program Assistant. Institutional Research and Strategic Analytics provided data analysis and reporting.
All information provided in this annual report is available online at mines.edu/careers. Contact the Mines Career Center for more information, assistance or support.

**Mines Career Center**
Ben Parker Student Center
1200 16th Street, Suite E180
Golden, CO 80401

303.273.3233
careercenter@mines.edu

[mines.edu/careers](http://mines.edu/careers)

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