Growth, Courage, Perseverance, Adapting, Achieving. These words define the characteristics of a Mines education. Call it “grit” or “The Mines Spirit”, we are always ready to take on the challenges of the day. The 2020-2021 school year saw no shortage of challenges and our common understanding of words like adversity, courage, and perseverance are forever redefined. The Career Center continues to adapt to the changing needs of the institution, employers, and students while keeping an eye on the future opportunities that will positively differentiate our students for years to come.
“MINES ALLOWED ME TO CULTIVATE AMAZING FRIENDSHIPS AND MENTORSHIPS OUTSIDE OF THE CLASSROOM WHICH I WILL FOREVER BE GRATEFUL FOR.”
The Class of 2021 graduated successfully in the midst of an international pandemic. The impact of remote engagement and slower employer activity was noticeable, though Mines students persevered through the challenge to transition into a hybrid workforce with in-demand skills to match.

**GRADUATED STUDENT OUTCOMES**

- **A Record**
  - **1,585** Total Graduates

- **92%** Positive Outcomes Rate

- **$76K** Average Starting Salary

- **18%** Graduates Continue with Advanced Education

---

1 BS, MS, and PhD grads

2 Employed in industry, government, military, continuing education, or international students returning to their home countries.

3 BS and MS grads
UNDERGRADUATE OUTCOMES

The following data includes information for undergraduate students who graduated in August 2020, December 2020, and May 2021. Mines is proud to provide outreach and support to 100% of students prior to graduation and for two years after graduation.

1,067
BS Graduates

For internal consistency and accurate comparisons, first-destination outcomes are reported in accordance with National Association of Colleges and Employers (NACE) standards starting with the 2018-2019 graduating class.

JOBS ACCEPTED BY LOCATION

56%
of BS Grads
Accepted Jobs in Colorado

UNDERGRADUATE OUTCOMES BY MAJOR

<table>
<thead>
<tr>
<th>Department</th>
<th>Low Salary</th>
<th>Median Salary</th>
<th>High Salary</th>
<th>Average Salary</th>
<th>Positive Outcomes</th>
<th>Graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biochemistry</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>100.0%</td>
<td>5</td>
</tr>
<tr>
<td>Chemical &amp; Biochem Engineering</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>85.7%</td>
<td>7</td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>$47,320</td>
<td>$75,000</td>
<td>$115,000</td>
<td>$76,998</td>
<td>89.4%</td>
<td>144</td>
</tr>
<tr>
<td>Chemistry</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>100.0%</td>
<td>8</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>$45,760</td>
<td>$64,000</td>
<td>$80,000</td>
<td>$64,210</td>
<td>98.6%</td>
<td>73</td>
</tr>
<tr>
<td>Computational &amp; Applied Math</td>
<td>$45,000</td>
<td>$80,000</td>
<td>$98,000</td>
<td>$78,000</td>
<td>88.9%</td>
<td>20</td>
</tr>
<tr>
<td>Computer Science</td>
<td>$65,000</td>
<td>$80,000</td>
<td>$123,000</td>
<td>$83,362</td>
<td>91.0%</td>
<td>144</td>
</tr>
<tr>
<td>Economics</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>100.0%</td>
<td>6</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>$65,000</td>
<td>$75,000</td>
<td>$123,000</td>
<td>$77,368</td>
<td>87.7%</td>
<td>80</td>
</tr>
<tr>
<td>Engineering</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>100.0%</td>
<td>1</td>
</tr>
<tr>
<td>Engineering Physics</td>
<td>$62,500</td>
<td>$72,000</td>
<td>$85,000</td>
<td>$72,920</td>
<td>94.5%</td>
<td>59</td>
</tr>
<tr>
<td>Environmental Engineering</td>
<td>$46,000</td>
<td>$57,000</td>
<td>$60,000</td>
<td>$55,600</td>
<td>94.4%</td>
<td>33</td>
</tr>
<tr>
<td>Geology &amp; Geological Engineering</td>
<td>$52,020</td>
<td>$58,000</td>
<td>$70,000</td>
<td>$60,404</td>
<td>95.8%</td>
<td>29</td>
</tr>
<tr>
<td>Geophysics &amp; Geophysical Engineering</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>100.0%</td>
<td>3</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>$40,000</td>
<td>$69,000</td>
<td>$100,000</td>
<td>$69,505</td>
<td>93.4%</td>
<td>299</td>
</tr>
<tr>
<td>Metallurgical &amp; Materials Engineering</td>
<td>$55,000</td>
<td>$70,050</td>
<td>$84,000</td>
<td>$69,490</td>
<td>90.2%</td>
<td>46</td>
</tr>
<tr>
<td>Mining Engineering</td>
<td>$62,000</td>
<td>$70,000</td>
<td>$90,000</td>
<td>$71,944</td>
<td>91.3%</td>
<td>28</td>
</tr>
<tr>
<td>Petroleum Engineering</td>
<td>$45,000</td>
<td>$72,522</td>
<td>$110,000</td>
<td>$82,404</td>
<td>87.7%</td>
<td>64</td>
</tr>
<tr>
<td>Statistics</td>
<td>$60,000</td>
<td>$65,500</td>
<td>$80,000</td>
<td>$67,750</td>
<td>88.2%</td>
<td>18</td>
</tr>
<tr>
<td><strong>BS Overall</strong></td>
<td>$25,000</td>
<td>$72,000</td>
<td>$123,000</td>
<td>$73,418</td>
<td>92%</td>
<td>1,067</td>
</tr>
</tbody>
</table>

Included in “positive outcomes” numbers are graduates committed to their first destination, including jobs in industry, government, military, and those who are going to graduate school, as well as international students returning to their home countries. Non-responsive or self-reported “not looking” graduates are removed from reported data and presented separately. Students are coded as non-responsive after five outreach attempts, no known activity with the Career Center, and/or by request of the student. Data is collected for 6 months following graduation.

1 The Career Center is now coordinating with Institutional Research (IR) at Mines. Detailed outcome and salary data is available through Tableau/IR for tailored, accessible reports for the Mines community.

Salary statistics are coded as N/A when 3 or less students report salary data for the full-time employed category of a respective major to maintain confidentiality for graduates. Data collected from these graduates is incorporated in overall calculations. International students returning to home countries are also removed.

* 92% data collection rate

**S**alary statistics are coded as N/A when 3 or less students report salary data for the full-time employed category of a respective major to maintain confidentiality for graduates. Data collected from these graduates is incorporated in overall calculations. International students returning to home countries are also removed.
UNDERGRADUATE OUTCOMES

JOBS ACCEPTED BY INDUSTRY

Aerospace • Defense • Aviation - 15%
Civil • Construction & Building Trades - 13%
Energy—Oil & Gas - 11%
Energy—Alternative • Renewable - 1%
Transportation & Logistics - 1%
Education • Instruction • Administration - <2%
Retail • Wholesale - 1%
Humanitarian • Non-Profits - <1%
Medical - <1%
Utilities • Power - <2%
Legal • Law - <1%
Chemicals - <2%
Consulting - 6%
Metals - 2%
Finance • Financial Services • Investment • Insurance - 2%
Biotech • BioEng • Pharmaceuticals - 2%
Environmental Resources • Water - 3%
Healthcare • Medical Equipment - 1%
Electronics • Electrical Components - 4%
Mining - 4%
Government • Public Sector - 4%
Consulting - 6%
Manufacturing • Machinery • Equipment - 8%

18-MONTH UPDATE FOR BS CLASS OF 2019-2020

Not every student graduates with a secured next step. The Career Center tracks job search progress for students for 18-months after 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

98% Positive Outcome Rate for BS Graduates

Up from 95% at time of graduation

<table>
<thead>
<tr>
<th>Graduation Year</th>
<th>Positive Outcomes 6 months after graduation</th>
<th>Positive Outcomes 18 months after graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019-2020</td>
<td>95%</td>
<td>98%</td>
</tr>
<tr>
<td>2018-2019</td>
<td>94%</td>
<td>98%</td>
</tr>
<tr>
<td>2017-2018</td>
<td>88%</td>
<td>94%</td>
</tr>
</tbody>
</table>

OREDIGGERS WERE ACCEPTED AT THESE GRAD SCHOOLS:

Boston University
Carnegie Mellon University
Colorado School of Mines
Duke University
Georgia Institute of Technology
IMT Atlantique
Massachusetts Institute of Technology
Northwestern University
Purdue University
Rensselaer Polytechnic Institute
Texas A&M University
University of California, Berkeley
University of California, Los Angeles
University of California, Santa Barbara
University of Colorado
University of Georgia
University of Illinois Urbana-Champaign
University of Texas at Austin
University of Utah
University of Washington
University of Wyoming

87% BS Graduates that Pursued Graduate School did so at Mines
UNDERGRADUATE EXPERIENTIAL LEARNING

INTERNSHIP AND TECHNICAL EXPERIENCE FOR 2020-2021 GRADUATES

Mines is dedicated to the idea that hands-on learning and real-world experience prepares students far better than learning by lecture alone. We encourage and support our students to explore opportunities in a variety of experiential learning settings through research, cooperative education and internships.

2020-2021 experienced a decline in internships and technical experiences due to the pandemic—702 students graduated with documented, relevant technical work or research experience across 42 states and 4 countries.

SUMMER 2021 INTERNSHIPS

Summer 2021 experienced a resurgence in many internship opportunities as COVID-19 receded. The Career Center staff worked proactively with employers and students to connect these opportunities with qualified applicants. Both employers and students responded enthusiastically, resulting in over 500 undergraduate student internships voluntarily reported.

66% BS Students Graduate with Technical Work Experience

2020-2021 experienced a decline in internships and technical experiences due to the pandemic—702 students graduated with documented, relevant technical work or research experience across 42 states and 4 countries.

407 Partnering Organizations

SUMMER 2021 INTERNSHIP SALARY BY MAJOR

<table>
<thead>
<tr>
<th>Department</th>
<th>Hourly Average</th>
<th>Number Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Mathematics &amp; Statistics</td>
<td>$19.20</td>
<td>12</td>
</tr>
<tr>
<td>Chemical/Biochemical Engineering</td>
<td>$19.00</td>
<td>39</td>
</tr>
<tr>
<td>Chemistry/Biochemistry</td>
<td>N/A*</td>
<td>2</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>$20.53</td>
<td>51</td>
</tr>
<tr>
<td>Computer Science</td>
<td>$21.00</td>
<td>110</td>
</tr>
</tbody>
</table>

BS TECHNICAL EXPERIENCE BY LOCATION

42 U.S. States + 4 Countries

1 As reported by 2020-2021 graduates about their internship and technical experience while undergraduate students at Mines.

Partnering Organizations

1 Based on voluntarily-reported information for the Summer of 2021 and may not represent the entire Mines student population. *N/A indicates insufficient data was reported.
I had the privilege of interning at SpaceX, working on battery systems for the Starlink satellite constellation... One of the most valuable aspects of my internship was the responsibility I was given. Even as an intern, I was given ownership of high-criticality projects that had significant program impacts. While initially daunting, I quickly realized the freedom this afforded me in learning to independently pursue solutions to difficult problems.

Anna Christianson

Mechanical Engineering
BS, Class of 2021
The following data includes information for Masters students who graduated in August 2020, December 2020, and May 2021. Mines is proud to provide outreach and support to 100% of students prior to graduation and for two years after graduation.

For internal consistency and accurate comparisons, first-destination outcomes are reported in accordance with National Association of Colleges and Employers (NACE) standards starting with the 2018-2019 graduating class.

<table>
<thead>
<tr>
<th>Department</th>
<th>Low Salary</th>
<th>Median Salary</th>
<th>High Salary</th>
<th>Average Salary</th>
<th>Positive Outcomes</th>
<th>Graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Energy Systems</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>11</td>
</tr>
<tr>
<td>Advanced Manufacturing</td>
<td>$60,000</td>
<td>$81,595</td>
<td>$92,000</td>
<td>$78,798</td>
<td>91.6%</td>
<td>13</td>
</tr>
<tr>
<td>Applied Physics</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>5</td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>6</td>
</tr>
<tr>
<td>Chemistry</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>2</td>
</tr>
<tr>
<td>Civil &amp; Environmental Engineering</td>
<td>$60,000</td>
<td>$65,500</td>
<td>$145,000</td>
<td>$72,500</td>
<td>88.2%</td>
<td>35</td>
</tr>
<tr>
<td>Computational &amp; Applied Math</td>
<td>$30,000</td>
<td>$98,050</td>
<td>$127,500</td>
<td>$88,400</td>
<td>90.9%</td>
<td>11</td>
</tr>
<tr>
<td>Computer Science</td>
<td>$75,000</td>
<td>$95,250</td>
<td>$120,000</td>
<td>$97,054</td>
<td>96.8%</td>
<td>35</td>
</tr>
<tr>
<td>Data Science</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>66.7%</td>
<td>3</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>$68,000</td>
<td>$90,000</td>
<td>$110,000</td>
<td>$88,888</td>
<td>100.0%</td>
<td>19</td>
</tr>
<tr>
<td>Engineering &amp; Tech Management</td>
<td>$65,000</td>
<td>$75,000</td>
<td>$118,500</td>
<td>$80,467</td>
<td>91.1%</td>
<td>58</td>
</tr>
<tr>
<td>Environmental Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>83.3%</td>
<td>7</td>
</tr>
<tr>
<td>Geochemistry</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>2</td>
</tr>
<tr>
<td>Geology &amp; Geological Engineering</td>
<td>$54,000</td>
<td>$64,500</td>
<td>$115,000</td>
<td>$69,917</td>
<td>88.9%</td>
<td>18</td>
</tr>
<tr>
<td>Geophysics &amp; Geophysical Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>78.6%</td>
<td>15</td>
</tr>
<tr>
<td>GIS &amp; Geoinformatics</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>2</td>
</tr>
<tr>
<td>Humanitarian Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>1</td>
</tr>
<tr>
<td>Hydrology</td>
<td>$52,000</td>
<td>$64,000</td>
<td>$71,000</td>
<td>$62,667</td>
<td>95.7%</td>
<td>24</td>
</tr>
<tr>
<td>Materials Science</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>9</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>$60,000</td>
<td>$80,080</td>
<td>$120,000</td>
<td>$82,318</td>
<td>89.1%</td>
<td>57</td>
</tr>
<tr>
<td>Metallurgical &amp; Materials Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>9</td>
</tr>
<tr>
<td>Mineral &amp; Energy Economics</td>
<td>$50,000</td>
<td>$76,500</td>
<td>$100,000</td>
<td>$75,750</td>
<td>96.2%</td>
<td>29</td>
</tr>
<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>100.0%</td>
<td>3</td>
</tr>
<tr>
<td>Mining Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>2</td>
</tr>
<tr>
<td>Natural Resources &amp; Energy Policy</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>60.0%</td>
<td>5</td>
</tr>
<tr>
<td>Petroleum Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>7</td>
</tr>
<tr>
<td>Quantitative Bioscience &amp; Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>6</td>
</tr>
<tr>
<td>Robotics</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>8</td>
</tr>
<tr>
<td>Space Resources</td>
<td>$85,000</td>
<td>$91,000</td>
<td>$110,000</td>
<td>$94,250</td>
<td>93.8%</td>
<td>16</td>
</tr>
<tr>
<td>Statistics</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>85.7%</td>
<td>8</td>
</tr>
<tr>
<td>Underground Construction &amp; Tunneling</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>66.7%</td>
<td>3</td>
</tr>
<tr>
<td><strong>MS Overall</strong></td>
<td>$30,000</td>
<td>$80,000</td>
<td>$145,000</td>
<td>$80,995</td>
<td>92%</td>
<td>430</td>
</tr>
</tbody>
</table>

See bottom of page 9 for information on data collection and outcome calculations. * Salary statistics are coded as N/A when 3 or less students report salary data for the full-time employed category of a respective major to maintain confidentiality for graduates. Data collected from these graduates is incorporated in overall calculations. International students returning to home countries are also removed.

**95% data collection rate
18-MONTH UPDATE FOR MS CLASS OF 2019-2020

Not every student graduates with a secured next step. The Career Center tracks job search progress for students for 18-months after 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

Positive Outcome Rate for MS Graduates

Up from 96% at time of graduation

<table>
<thead>
<tr>
<th>Graduation Year</th>
<th>Positive Outcomes 6 months after graduation</th>
<th>Positive Outcomes 18 months after graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019-2020</td>
<td>96%</td>
<td>98%</td>
</tr>
<tr>
<td>2018-2019</td>
<td>97%</td>
<td>100%</td>
</tr>
<tr>
<td>2017-2018</td>
<td>92%</td>
<td>97%</td>
</tr>
</tbody>
</table>

JOBS ACCEPTED BY INDUSTRY

MINES MS GRADUATES WILL CONTINUE THEIR ADVANCED EDUCATION AT THE FOLLOWING SCHOOLS:

Colorado School of Mines  Princeton University  University of Oklahoma
Metropolitan State  University of Southern California University of Utah
University of Denver  University of Oslo
The following data includes information for PhD students who graduated in August 2020, December 2020, and May 2021. Mines is proud to provide outreach and support to 100% of students prior to graduation and for two years after graduation.

For internal consistency and accurate comparisons, first-destination outcomes are reported in accordance with National Association of Colleges and Employers (NACE) standards starting with the 2018-2019 graduating class.

Salary statistics are coded as N/A when 3 or less students report salary data for the full-time employed category of a respective major to maintain confidentiality for graduates. Data collected from these graduates is incorporated in overall calculations. International students returning to home countries are also removed.

### PhD OUTCOMES

#### PhD OUTCOMES BY MAJOR

<table>
<thead>
<tr>
<th>Department</th>
<th>Low Salary</th>
<th>Median Salary</th>
<th>High Salary</th>
<th>Average Salary</th>
<th>Positive Outcomes</th>
<th>Graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Chemistry</td>
<td>$52,000</td>
<td>$68,500</td>
<td>$92,000</td>
<td>$70,250</td>
<td>100.0%</td>
<td>4</td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>4</td>
</tr>
<tr>
<td>Civil &amp; Environmental Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>8</td>
</tr>
<tr>
<td>Computational &amp; Applied Math</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>2</td>
</tr>
<tr>
<td>Computer Science</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>3</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>66.7%</td>
<td>4</td>
</tr>
<tr>
<td>Environmental Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>1</td>
</tr>
<tr>
<td>Geochemistry</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>2</td>
</tr>
<tr>
<td>Geology &amp; Geological Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>5</td>
</tr>
<tr>
<td>Hydrology</td>
<td>$55,000</td>
<td>$69,500</td>
<td>$78,000</td>
<td>$68,000</td>
<td>100.0%</td>
<td>5</td>
</tr>
<tr>
<td>Materials Science</td>
<td>$67,000</td>
<td>$85,000</td>
<td>$112,000</td>
<td>$86,800</td>
<td>100.0%</td>
<td>11</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>5</td>
</tr>
<tr>
<td>Metallurgical &amp; Materials Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>6</td>
</tr>
<tr>
<td>Mineral &amp; Energy Economics</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>2</td>
</tr>
<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>100.0%</td>
<td>5</td>
</tr>
<tr>
<td>Nuclear Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>4</td>
</tr>
<tr>
<td>Operations Research w/ Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>50.0%</td>
<td>2</td>
</tr>
<tr>
<td>Petroleum Engineering</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>8</td>
</tr>
<tr>
<td>Physics</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>80.0%</td>
<td>5</td>
</tr>
<tr>
<td>Statistics</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>1</td>
</tr>
<tr>
<td>Underground Construction &amp; Tunneling</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>N/A*</td>
<td>100.0%</td>
<td>2</td>
</tr>
<tr>
<td><strong>PhD Overall</strong></td>
<td><strong>$50,000</strong></td>
<td><strong>$72,750</strong></td>
<td><strong>$190,000</strong></td>
<td><strong>$77,491</strong></td>
<td><strong>96%</strong></td>
<td><strong>88</strong></td>
</tr>
</tbody>
</table>

See bottom of page 9 for information on data collection and outcome calculations.

* Salary statistics are coded as N/A when 3 or less students report salary data for the full-time employed category of a respective major to maintain confidentiality for graduates. Data collected from these graduates is incorporated in overall calculations. International students returning to home countries are also removed.

*95% data collection rate

### JOBS ACCEPTED BY LOCATION

55% PhD Grads Accepted Jobs in Colorado
Not every student graduates with a secured next step. The Career Center tracks job search progress for students for 18-months after 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

<table>
<thead>
<tr>
<th>Graduation Year</th>
<th>Positive Outcomes 6 months after graduation</th>
<th>Positive Outcomes 18 months after graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019-2020</td>
<td>99%</td>
<td>100%</td>
</tr>
<tr>
<td>2018-2019</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>2017-2018</td>
<td>94%</td>
<td>97%</td>
</tr>
</tbody>
</table>

"I PLAN TO APPLY MY UNIQUE INTERDISCIPLINARY BACKGROUND IN ENGINEERING, ECONOMETRICS, AND BEHAVIORAL ANALYTICS TO RESEARCH SOLUTIONS THAT DRIVE CRITICAL BUILDING ENERGY TRANSITIONS WITHIN TOP RESEARCH FIRMS, CONSULTING FIRMS, AND GLOBAL CONVENING BODIES ON SUSTAINABLE ENERGY DEVELOPMENT, FINANCE, AND POLICIES."

OPEOLUWA WONUOLA OLAWARE
Advanced Energy Systems, PhD Candidate
EMBRACING DIVERSITY, EQUITY, AND INCLUSION

In an effort to meet campus imperatives and student needs, the Mines Career Center dedicated itself to new initiatives and collaborative projects in order to support students of all backgrounds and experiences. Through regular trainings on topics including implicit bias, microaggressions, and privilege, Career Center staff committed to their own personal and professional development. Staff further worked to infuse this knowledge into their work in a variety of ways, including participating in identity-based campus groups and committees, revising workshops and other outreach materials to serve a broader audience, and integrating DI&A topics into Career Center monthly newsletters. In addition to these efforts, Career Center partners in collaboration included:

- Multicultural Engineering Program (MEP)
- International Student and Scholar Services and Education Abroad
- AAUW (American Association of University Women) Salary Negotiation Training
- WISEM (Women in Science, Engineering, and Math)
- SWE (Society of Women in Engineering)
- Women in MME, ML, and Nuclear (WMMN)
- American Indian Science and Engineering Society (AISES)
- Society of Asian Scientists and Engineers (SASE)
- Mines Veteran Student Alliance
- Counseling Center
- Disability Support Services

Outcomes data is available for historically underrepresented racial and ethnic groups and gender populations. International student employment and continuing education are reported for BS, MS, and PhD students on an F-1, H1, or J-1 visa: 43% obtaining employment in the US, 13% attending graduate school, and 42% returning to their home country.

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 its 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 be complacent from 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 faculty and staff
- 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
- Elevate acknowledgment and rewards to underrepresented populations

In response to the social and political landscape brought in 2020, three additional strategic priorities were added:

- Recognition that representation matters
- Cultivate campus bystanders and allies

INTERSTRIDE

An online career search tool for International Students to identify job opportunities in their fields, Interstride empowers international students through real time job and internship postings from employers that focus on hiring international students, networking and mentorship, tailored resources, visa and immigration support, and webinars.

OUR COMMITMENT

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 its 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 be complacent from 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 faculty and staff
- 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
- Elevate acknowledgment and rewards to underrepresented populations

—The Mines Strategic Plan for Diversity, Inclusion & Access
“I WANT TO BE A PART OF DECISION-MAKING OR POLICY-MAKING IN THE FIELD OF MINING AND SUSTAINABLE DEVELOPMENT. AS LONG AS I FEEL THAT I HAVE A SOLID CONTRIBUTION TO DEVELOPING SUSTAINABLE SOLUTIONS AND INCREASING MINING’S POSITIVE CONTRIBUTIONS TO SUSTAINABLE DEVELOPMENT, THE ENVIRONMENT, AND FUTURE GENERATIONS, I WOULD BE HAPPY.”

CANSU PERDELI DEMIRKAN
Earth Resources Development Engineering
PhD, 2022
In the 2020/2021 academic year, the Career Center hosted 8 career panels designed to provide students with information related to industry, graduate school, and their various career paths. Further, virtual formats allowed for unique, small-group networking opportunities with potential employers and industry professionals. Career Panels included Alternative Engineering Careers, BioTech, Computer Science, Mining and Exploration, Physics Engineering, Renewable Energy, a Graduate Student Panel, and the Neurodiversity Employer Panel. 

• Highlights include the highly-successful Computer Science panel, which boasted over 190 student, staff, and faculty participants. In collaboration with Disability Support Services and the Colorado Department of Vocational Rehab, the Career Center hosted the first-ever Neurodiversity Employer Panel to connect over 30 students with inclusive employers. 

• Over 500 students participated in 2020/2021 career panels.

CSM 250—ENGINEERING YOUR CAREER PATH

Engineering your Career Path is a 1-credit course designed to provide students with advanced planning and job searching tools that are instrumental in obtaining internships, co-ops, research, and full-time positions. The class gives guidelines 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: 2 in the Fall semester and 3 in the Spring semester, with a total enrollment of 151 students.

“THOUGH IT WAS HARD FOR PROFESSORS TO CONNECT WITH STUDENTS DUE TO COVID-19 RESTRICTIONS, THEY MADE SURE THAT EVERY STUDENT KNEW THEY WERE CARED FOR AND THAT THE CAREER CENTER HAS ENDLESS OPPORTUNITIES AND RESOURCES AVAILABLE.”

—CSM 250 STUDENT SPRING 2021

The Vallejo Irvine Program for Professional Development is a new million-dollar initiative launched through a gift from Fran Vallejo and Scott Irvine, 1987 Mines Alumni. 

Through applied and engaging learning opportunities, VIP equips students with competency-based skills that will positively differentiate them in their professional pursuits. Six core professional development competencies are prioritized throughout the VIP Professional Development curriculum—communication, career self-management, professionalism, successful thinking, collaboration, and equity and inclusion. 

The Career Center was proud to support the pilot efforts for VIP through a competency development series of workshops with a focus on communication, including formal public speaking, interpersonal workplace communication, business communication, and professional report writing. Additionally, “Intern Launch” was offered to prepare students for their accepted summer internships. Three inaugural VIP interns were hosted within the Career Center as they developed the focus and initial content for the program. Career Launch, a 28-day guided academy, was piloted with a cohort of 25 students who gained experience developing their network through career conversations.

Vip Program Core Competencies

- Communication
- Career Self-Management
- Professionalism
- Successful Thinking
- Collaboration
- Equity & Inclusion
The future of the Mines Career Center will present a more diverse portfolio of opportunities to students who, themselves, are more diverse in their education, interests, and experiences. 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 class. This effort is supported by a more diversified portfolio of recruiters and employers, and greater industry and academic department engagement.

As part of Mines@150 the Career Center will attain and 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
- Expanded portfolio of employers and student-facing services
- Preparation for graduate school at Mines and elsewhere
- Preparation for alternative paths
- Co-ops, and other experiential learning opportunities
- Expanded campus collaboration and international and graduate student support
- Industry and academic departmental engagement

"I PARTICIPATED IN A 14 MONTH CO-OP WITH MICHELS CORPORATION BETWEEN MY JUNIOR AND SENIOR YEAR...IT WAS AN AMAZING EXPERIENCE AND I WAS ABLE TO APPLY WHAT I LEARNED AT MINES TO INDUSTRY. THE SKILLS AND EXPERIENCES I GAINED WITHIN THE CO-OP HELPED ME GROW AND REACH MY DREAM JOB."

DELMAR HERMANN
GEOLOGICAL ENGINEERING
BS, CLASS OF 2021
The 2020-2021 academic year was defined by dramatic change. With recruiting at Mines going entirely virtual, the Career Center team quickly developed new methods to connect our students and graduates with employers. Mines held its first virtual Career Days with mixed success. Between the spring and fall virtual Career Days, more than 19,000 interactions between our students and the attending employers transpired. While the virtual platform did have some technical issues, it allowed employers continued access to our outstanding students during a difficult time. The continued adoption of virtual recruiting will allow the Career Center to offer employers across the world options to engage with Mines students.
RECRUITING AT MINES

CAREER DAY

With large in-person events not allowed due to state and university guidelines, both Fall and Spring Career Days were shifted to a virtual platform, allowing students and employers to connect through video and text chat. The technology allowed for positive engagement despite the circumstances, and had advantages such as allowing recruiter participation from across the country without having to arrange for travel, and encouraging student interaction in a flexible and comfortable one-on-one format.

INDUSTRIES REPRESENTED AT CAREER DAY

There are a number of additional events around Career Days including the Society of Women Engineers Evening With Industry dinner, the Veteran’s Alliance Hero’s Dinner, along with numerous other employer engagement activities.

WIRED FOR WORK!

The WIRED for Work! event was offered as a professional development opportunity for students to gain direct feedback and advice from industry representatives. This event was held virtually in both the fall and spring which allowed for valuable interactions between both students and volunteers.

- At the fall WIRED! event, 16 employers registered to provide resume reviews and career advice. 111 students attended.
- At the Spring event, 19 employers registered to provide resume reviews and career advice. 173 students attended.

EMPLOYERS ATTENDING CAREER DAY (FALL + SPRING)

There are a number of additional events around Career Days including the Society of Women Engineers Evening With Industry dinner, the Veteran’s Alliance Hero’s Dinner, along with numerous other employer engagement activities.

WIRED FOR WORK!

The WIRED for Work! event was offered as a professional development opportunity for students to gain direct feedback and advice from industry representatives. This event was held virtually in both the fall and spring which allowed for valuable interactions between both students and volunteers.

- At the fall WIRED! event, 16 employers registered to provide resume reviews and career advice. 111 students attended.
- At the Spring event, 19 employers registered to provide resume reviews and career advice. 173 students attended.

EMPLOYERS ATTENDING CAREER DAY (FALL + SPRING)
The quick adoption of a virtual recruiting platform was a top priority for the Career Center this year. The Career Center implemented a virtual Career Day software platform to allow events to take place despite the remote working requirements. Additionally, the Recruiting Team integrated virtual information sessions into the Career Center employer offerings. This allowed our employer partners to continue to connect with Mines students despite the lack of in-person events. While we did see a reduction in the overall number of employers recruiting, these virtual sessions allowed new organizations to engage at Mines.

**ON-CAMPUS RECRUITING EFFORTS**

The Career Center Recruiting program was steady throughout the year with 114 virtual employer visits to connect with Mines students and expanded Summer 2020 Information Sessions in response to the COVID-19 outbreak. Due to COVID-19 campus restrictions, on-campus interviewing was put on hold for the academic year but the Career Center continued to offer managed virtual interviews for employers. Employers arranged for virtual visits to Mines to interview students and/or present employer information sessions.

**RECRUITING TECHNOLOGY**

The quick adoption of a virtual recruiting platform was a top priority for the Career Center this year. The Career Center implemented a virtual Career Day software platform to allow events to take place despite the remote working requirements. Additionally, the Recruiting Team integrated virtual information sessions into the Career Center employer offerings. This allowed our employer partners to continue to connect with Mines students despite the lack of in-person events. While we did see a reduction in the overall number of employers recruiting, these virtual sessions allowed new organizations to engage at Mines.

**DIGGERNET ON-LINE RECRUITING SYSTEM**

**Job Postings on DiggerNet**

710 employers posted a total of 4,335 job on DiggerNet in 2020-2021, a 6% decrease from 4582 in 2019-2020. 2,252 jobs were posted directly from companies and 2083 posted as ‘curated’ through Symplicity. 2,238 of the opportunities posted were full-time, entry-level positions.

**Internship/Co-op Postings on DiggerNet**

380 employers posted 1,221 internships and 112 co-ops. While the total number of postings were down year over year, there was a 21% increase in the number of employers posting internships and co-op opportunities.

**Student Activity**

2,548 individual students logged into DiggerNet with an average of 34 logins per student, up from 8 logins last year, for a total of 87,974 total student logins. Since all interaction was virtual, students utilized DiggerNet to connect with all career advising, events, and employer engagement.

**JOBS CAN**

In June of 2021, the Mines Career Center began offering a new tool to Mines students and alumni.

Jobscan helps job seekers create job application materials that are more likely to be seen by recruiters. Jobscan also helps students to navigate applicant tracking systems by sharing tips, tricks, and advice on what to expect and how to create materials that are more likely to get job seekers interviews.
“I CURRENTLY WORK IN MY DREAM JOB. I GET TO WAKE UP EVERY DAY TO LEARN ABOUT WHAT NEW IS HAPPENING IN THE 3D PRINTING COMMUNITY AND TO HELP ORGANIZATIONS GROW. I AM GETTING PUBLISHED IN LARGE AND SMALL MAGAZINES, AND WITH IN-PERSON EVENTS BEGINNING, I WILL BEGIN PRESENTING ON EXCITING NEW TOPICS.”

GROWING ORGANIZATIONS

NOAH MOSTOW
Advanced Manufacturing MS, 2020
Nearly 1,100 organizations participated in recruiting efforts with Colorado School of Mines. The following lists all of these companies, whether hiring for jobs and internships or engaging in Career Days, info sessions, on-campus interviews, career panels, and DiggerNet postings. We thank them for their partnership.

Aspen Energy Partners
Assured Flow Solutions
AT&T
Atkinson Construction
ATN International
Atomic Social
ATS Diesel Performance
Audible Health AI
Aurora Storage Products
Austin White Lime
Automated Engineering
Azoth 3D
B2 Builders
Baker Hughes
Ball Aerospace & Technologies
Ball Packaging
Bank of Oklahoma
Barber Nichols
Barnard Construction
Barr Engineering
Barry-Wehmiller Design Group
Bayer
BD Diagnostics
Belvedere Trading
Benil Wildland
Berry Petroleum
Bessac
BGC Engineering
BHP Billiton Petroleum
Bimbo Bakeries
BioLoomics
Black & Veatch
Black Hills
Blackout
Blount International
Blue Origin
BluePrint Automation
BlueShift
BMO Capital Markets
BNSF Railway
Boa Technology
Bocard
Bodycote
Boeing
Bodhanna Huston
Bolder Industries
Bond Pets
Booz Allen Hamilton
Boston Metal
Boston Plan for Excellence
Bounteous
BP America
BPX Energy
BrainSpire Solutions
Brayn Consulting
Brider Photonics
BridgeSat
Brinkmann Constructors
Brinks Engineering
BRS Engineering
Bryan Research & Engineering
Bryant Consultants
BTU Analytics
Build Group
Building & Earth Sciences
Burns & McDonnell
BurstIQ
Cable Television Laboratories
CableLab
Cabit Corporation
CAGI
CAGE Engineering
Calibre Engineering
California Resources
Callard Group
Calpine Corporation
CalPortland
Campos EPC
Canadian Pacific Railway
Capco Steel Erection
CapitiveAire
Carbon America
Caribou Thunder
Cashman Equipment
Cator Ruma & Associates
Causeway Capital
CBB International
CDM Smith
CEMEX
Centennial Equipment
CenterPoint Energy
Cenentilloz
Central Contra Costa Sanitary District
Central Intelligence Agency
CenturyLink
CFC Construction
CFM Company
Chaffee County Habitat for Humanity
Champion Technology Services
Chesapeake Energy
Chevron
Chevron Phillips Chemical
Chouteau Capital
CIBC Atlantic Trust
Cigna
Cimarex Energy
Citrix
City & County of Denver
City of Austin
City of Glenwood Springs
City of Golden
City of Longmont
City of Loveland
City of Norwalk
City of Pueblo
City of Thornton
City Year Denver
Clark Construction Group
Clean Harbors
Cleveland Cliffs
Colbam Advanced Electrical Solutions
Cohilco
Coding it Forward
Coding with Kids
Coeur Mining
Coffman Engineers
Cogent Infotech
ColdQuanta
Collins Engineers
Colorado CleanTech Industry Association
Colorado Department of Public Health & Environment
Colorado Department of Transportation
Colorado Energy Office
Colorado Engineering
Colorado School of Mines
Colorado Springs Utilities
Colorado State University
Colorado Youth for a Change
Columbine Logging
Comcast
Common Thread Collective
Commonfund
Conagen
Concho Resources
Concrete Frame Associates
Condire Investors
Condor Earth Technologies
ConMed
ConocoPhillips
Consolidated Nuclear Security
 Consolidated Precision Products
CONSOR Engineers
Constantine Metal Resources
Contech Engineering
Contech Solutions
Corden Pharma
CORE Consultants
Corning
Corrosion Works
COVIDCheck Colorado
CP&Y
Craters & Freighters
CRB
Credaera
CrownQuest Operating
CTL Thompson
Cultural Vistas
Current Tech
Cushing Terrell
CyberSecure IPS
Daifuku - Wynright
Daikin
DAMM Cellular Systems
Daniel B. Stephens & Associates
Datava
Davidson Technologies
Davis Wire
Deck Tec Outdoor Designs
Deep Space Systems
Deeptime Digital Earth
Del-Mont Consultants
Deloitte Consulting
Deltic Consulting
DELTA | v | Forensic Engineering
Denbury Resources
Denver Public Schools
Denver Water
Deringer-Ney
Dewberry Engineers
DHGlabe & Associates
DI & Sons
Digital Geo Specialists
Digital Intelligence Systems
Dimension Group
DISH Network
DistributionNOW
Ditesco
DLR Group
DMC
Doppelmayr USA
DoranX
Dorsey & Whitney
Dreamstage
Drill Tech Drilling & Shoring
Drilldocs
Duf & Phelps
E-470 Public Highway Authority
Eagle River Water & Sanitation District
Eagle Rock School
Earthjustice
Easy Mile
Eaton
ECC
ECM USA
Ecolab, Nalco
Economic Development Administration
Edgile
Eickmeyer & Associates
Electrical Consultants
Electro Magnetic Applications
Element Technical Services
Elementum 3D
Elevation Labs
Eli Lilly
Ellipse Analytics
Embedded Linux Consulting
Emerson Automation Solutions
Emma L. Bowen Foundation
Empower Retirement
Enmis Burning Glass
EN Engineering
Enbridge Energy Company
Encompass Services
Endeavor Natural Gas
Energy Fuels Resources
Energyneering Solutions
EnerSys
Engage
Engineering Economics
Engineering for Kids
Enginuity
Ensco
Ensign Drilling
Ensign-Bickford
Entact
EnterSolar
Environment Colorado
Environmental Resources Management
Envision Energy
EOG Resources
Epic
Epicor Drilling Solutions
EpicX Analytics
Equinor
Equitable Advisors
Erickson Technologies
Eris IP
Ernst & Young
Eron Exploration & Production
ESAI Energy
ESCO Construction
Esi
ESI, Comprehensive Engineering
Ethos Distributed Solutions
Eurofins Test America
Evoqua Water Technologies
EVRAZ
Experience Lab at Penn
Exponent
ExxonMobil
Facebook
Facility Engineering
Fanatics
Farnsworth Group
Fast Enterprises
PARTICIPATING COMPANIES

FCI Constructors
Federal Reserve Bank of Kansas City
Fehr & Peers
Felton Group
Fiat Chrysler Automobiles
Fidelity Investments
Financial Transition Institute
FIRST RF Corporation
FirstPassEngineering
Firstpath Laboratories
Fives Lund
Flagship Biosciences
Flatiron
FlightSafety Services
Floorserve
Flyability
Focused Test
Ford Audio Video
Freberg Environmental
Freeport-McMoRan
Frito-Lay
Frontier Technologies
Full Cycle Bioplastics
Gallegos
Galloway & Company
Gaming Laboratories
Garver
 Gaston Engineering
Gates
GBA
GE Healthcare
GE Johnson Construction
GEI Consultants
Gem Certification & Assurance Lab
Genentech
General Electric
General Motors
General Shale
Genesis Alkali
GeoEngineers
GeoStabilization
International
Geosyntec
Geotab
Geovert
Gerdau Long Steel
GH Phipps Construction
Global Circuit Innovations
Global Frontier Group
Global Hope Network
Global Shop Solutions
Glomac Energy
Gogo Business Aviation
Golden Aluminum
Golden Automation
Golden Software
Goldar Associates
Goodloe & Associates
Goodfellow Bros., Google
Graco
Granite Construction
Great Lakes Environmental & Infrastructure
Greg Lewicki & Associates
Greystar
Group Delta Consultants
Group4 Engineering
GSE Construction
GTI
Guadalupe Valley Electric Cooperative
Guzman Energy
H2B2
Hach Company/Danaher
Haler Consulting
Halliburton
Hamilton Construction
Hana Technologies
Harris Corporation
Harris Kocher Smith
Harrison Western Construction
Hayward Baker
Hazen & Sawyer
HDB Technologies
H-E Parts International
Helogen
Helmerich & Payne
Hensel Phelps Construction
Heraeus
HERE Technologies
Hess
Heuer Labs
High Precision Devices
Highlands Ranch Metro District
Hilcorp Energy
Hill’s Pet Nutrition
Hoffman Construction
Holland & Hart
Holographic
Honeywell Aerospace
Honeywell UOP
Horizon Ag Products
Hoss & Brown Engineers
Howard Aviation
HP
HPM
HR Green
HRS Water Consultants
Huitz-Zollars
Hunt Oil
Hunter Douglas
Huntington Ingalls
Hyde Engineering
Hydro Electric
Hydro Gate
Hyland Hills Park & Recreation District
IBM
ICF Strategic Consulting
ICR
ID Tech Camps
Idaho National Laboratory
IDS GeoRadar
IHC Scott
IHS Market
Illuma
Indeed
Industrial Control
Industrial Inket
Industrial Minerals
Industrial Technology & Safety Council
Infosys
Institute for Computational Engineering & Sciences
Integrated Recycling Technologies
Intel
IntelProp
Intermountain Electronics
Internal Revenue Service
Interstate Highway Construction
Intertek
Intrepid Potash
Invenergy
Iris Energy
Itasca Denver
IX Power Clean Water
Jackfruit
James W. Fowler
Janus Henderson Investors
Jay Dee Contractors
JCAI Consulting Engineers
Jefferson County Government
Jehn Water Consultants
JMA Wireless
JMP Solutions
John Deere
Johns Manville
Johnson & Johnson
Johnson Controls
Jordan & Skala Engineers
JP Morgan Chase
JR Butler
JR Engineering
JT4
JVA
K.P. Kaufmann
Kahuna Ventures
Kalidescope
Kane Robotics
Kansas Department of Transportation
Katana Graph
Keane Group
Kemco Aerospace Manufacturing
Kennametal
Kennedy/Jenkins Consultants
Kendor Minerals
Keyrock Energy
Kiewit
Kimley Horn
King Abdullah City for Atomic & Renewable Energy
Kings Peak Manufacturing
Kiowa Engineering
KL & A
Kleinfield
KLJ
Kluber Lubrication
Knight Piesold
Koch Industries
Kodak Alaris
KPMG
Kraemer North America
Kratsos
Kronus Engineering
L3Harris
LabJack
Lam Research
Lamp, Ryeangar & Associates
Land Group
Landmark Consultants
Lane Construction
Langan Engineering & Environmental Services
Lawer Education
Lawrence Berkeley Lab
Lawrence Livermore National Laboratory
LDIS
Legacy Mechanical
Leigh Hanson
Leonardo DRS
Lepptor Associates
Lerch Bates
Lewis Energy Group
Lexmark International
LGS Laboratories
Lhoist North America
Liberty Oilfield Services
Lifeloc Technologies
Lightwave Logic
Linken Engineering
Linkedin
Lionsgate
Litye Systems
Lithos Engineering
Living Ink Technologies
Lockheed Martin
Loewen Engineering
Logic Environmental
Logical Systems
Logplan
Los Alamos National Laboratory
Lowtemp Industries
LRE Water
LTY Engineers
LUCI
Luck Stone
Lufkin Industries
Lumen Technologies
Lunar Outpost
M&T Bank
Macina, Bose & Copeland
Magellan Midstream
Magic Carpet Lifts
Mainstream Engineering
Manhard Consulting
Manson Construction
ManTech International
Marathon Petroleum
Mark VII Equipment
Martin Marietta Materials
Martin/Martin
Marxكو
Maser Consulting
Masten Space Systems
Matador Resources
Material Drop
Materson
Mathnasium
Matrix Design Group
Matrix Technologies
McKINSEY & Company
Mckinstry
McKool Smith
MDC Holdings
M-E Engineers
Mead & Hunt
MedCAD
Medtronic
Mentis Technology
MEP Engineering
Merck
Meritech
Merrick & Company
Merritt Equipment
Mesa Labs
Metro Wastewater Reclamation District
Michels
Microchip Technology
Microsemi
Microsoft
Micro-Vu
MIE Systems
Mikron
Mile High Youth Corps
Milender White
MillerCoors
Millstone Weber
Milwaukee Tool
Mindfish Test Prep
Minerals Technologies
Minnesota Geological Survey
Mission Critical Partners
Mission Support & Test Services
Molson Coors Brewing
Monterey Bay Aquarium Research Institute
Moog
Moore Agencies
Morrow & Maierle
MORryde
Morse
Motorola Solutions
Mott MacDonald
MultiGreen Properties
Murphy
Musetk & Trillium
MWD Technologies
MyAssets Map
NASA, Glenn Research Center
NASA, Goddard Space Flight Center
NASDAQ OMX
National Center for Atmospheric Research
National Institute for Occupational Safety and Health
National Institute of Standards & Technology

PARTICIPATING COMPANIES

NRG Energy  
NuBilt Restoration & Construction  
Nucor Steel  
Nurcor  
Oak Ridge Associated Universities  
Oak Ridge National Laboratory  
Obviously AI  
Occidental Oil & Gas  
Oceana Gold  
OHL North America  
Oil Tool Solutions  
Oilfield Basics  
Olimeter  
Olin Corporation  
Olsson  
One America Works  
One Energy Enterprises  
Oola  
Open Systems International  
Optimization Technology  
Origin Engineering  
Oshash  
OSisoft  
Outrider  
Outset Global Trading  
Ovintiv  
Oxy Chemicals  
Pacific Aerospace & Electronics  
Pacific Northwest National Laboratory  
Pacific Southwest Biological Services  
Pall Corporation  
Palo Alto Networks  
Panasonic Energy  
Pape-Dawson Engineers  
Paragon Space Development  
Parker Hannifin  
Parker Water & Sanitation District  
Parsons  
Paterson & Cooke  
Path Robotics  
Patrick Engineering  
PCL Construction  
Peabody Energy  
Peace Corps  
Pearl Harbor Naval Shipyard & IMF  
PESC Teacher Residency  
Peloton Computer Enterprise  
Penumbra  
Pepronas  
Petrie Partners  
Petropolis  
Petro-lud  
Pfizer  
Philips  
Philips & Jordan  
Philips 66  
Phoenix Group Metals  
Pigler Automation  
PIMCO  
Pioneer Aeronautics  
Pioneer Technical Services  
Pitkin County Telecommunications  
Playa Lakes Joint Venture  
Polaris Industries  
POWER Engineers  
Precision Castparts Corporation  
Premier Thermal Solutions  
PricewaterhouseCoopers  
Primoris Services  
Pro Craft Mechanical  
Pro Star Aviation  
Procter & Gamble  
Professional Service Industries  
Progressive Consulting  
Propeller Aero  
ProPetro  
Prosono  
Prospector  
Proteus Snowboards  
Prove  
Providence Infrastructure Consultants  
Prysmian Group  
PTEP Exploration & Production  
Puentes Abroad  
Puget Sound Naval Shipyard  
Qualcomm  
Quaila  
Quantum Energy Partners  
Quantum Water Consulting  
Quick Supply  
Radiant Dev  
RAIsonance  
Rampart Technologies  
RapidFunnel  
Raytheon  
Rebound Technologies  
Redwirespace  
Regis University Doctor of Pharmacy Program  
Relativity Space  
Renewable Energy Systems reProx  
Resource Capital Funds  
Restruction  
RevGen Partners  
Revolution Systems  
Ricoh  
Ridgeline Engineering  
Rincon Research  
Rio Tinto  
Risk Management Associates  
RJ Pagan & Associates  
RHJ Consultants  
RMC Pharmaceutical Solutions  
RMG Group  
RMI  
RMS Cranes  
RoadRunner Scooters  
Rockcor  
Rocket Software  
Rocky Mountainer  
Rogers Group  
Rohdean Shores  
ROMCO Equipment  
RSM US  
RW&E Renewables Americas  
Ryan Companies  
S. A. Miro  
S.S. Papadopoulos  
SAIC  
Salesforce  
Salient Power Engineering  
Sana Health  
Sanborn Head & Associates  
Sandia National Laboratories  
Sandvik Mining  
Santa Fe Institute  
Saudi Aramco  
Savannah River National Laboratory  
Scepter  
Schlumberger Technology Schnabel  
Schneider Electric  
Schott  
Scientific Applications & Research  
SCRAM Systems  
Seagate Technology  
SEAKR Engineering  
Second Order Effects  
Self-Help Enterprises  
Sempra LNG  
Sequoyah Electric  
Serpentix  
Service Response Partners  
SET Environmental  
SGM  
Shaffer Baocom Engineering  
Shaw Construction  
Shelton Welding Services  
Shimmick Construction  
Shopworks Architecture  
Sibanye Stillwater Mining  
Siefert Associates  
Siemens Healthineers  
Sierra Nevada Corporation  
Sierra Space  
Silicon Stem Academy  
SimpleSUB Water  
Sinopec  
Sisu Devices  
Skanska  
Skyworks Solutions  
SLAC National Accelerator Laboratory  
SLR International  
SM Energy  
SMEDIX  
SobiSafe  
Sogeti  
Solar Turbines  
Soletance Bachy  
Solfatara Laboratories  
South32  
Southern Adams County Water  
SpaceX  
Specialty Granules  
Spectrum  
Spirit Environmental  
Sprott  
SS&C ALPS  
SSAB  
SSR Mining  
Staheli Trenchless Consultants  
Stanley Consultants  
Stantec Consulting  
Staples  
Starfire Energy  
Sterisi  
Sticker Control  
Stout Street Capital  
Strategic Decisions Group  
Strategic Site Designs  
Stratton Park Engineering  
Structural Group  
Subsurface & Tunnel Engineering  
Suz Water Technologies & Solutions  
Summit County  
Summit Materials  
Suncor Energy  
SunPower  
Super Leach  
Surtek  
Swagelok  
Swanson Rink  
SWCA Environmental Consultants  
Swisslog  
Systems Planning & Analysis  
T4S Partners  
Tait & Associates  
Talen Montana  
Tailgrass Energy Partners  
Tanaz Environmental  
Taproot Energy Partners  
TD Forensics  
TEAM  
TEC Solutions  
TechNavane  
Tektronix  
Terra Constructors  
Terraco Consultants  
TerraPower  
Territory Resources  
Terumo BCT  
Tesla Motors  
Tetra Tech  
Texas Department of Transportation  
Texas Instruments  
THARROS Technical Consultants  
Theralink Technologies  
Third Way  
Thorlabs  
Thru-Put Partners  
T-Mobile  
Top Gun Pressure Washing  
Torus Americas  
Total Petrochemicals  
Toyota Motor Engineering & Manufacturing  
Trade Desk  
Trainridge Engineering  
Transamericia  
Transportation Technology Center  
Travelers  
Traylor Bros.  
Trelleborg Sealing Solutions  
Trihydro  
Trimax  
Trimbie
PARTICIPATING COMPANIES

Trinity Engineering
Tremont Unlimited
true(X)
TS Engineering
TTM Technologies
TTX Company
Tudor, Pickering, Holt
Turner Construction
Twin Metals
Twist Bioscience
Tyler Technologies
Ultieg
United Launch Alliance
United Parcel Service
United Rock Products
Universal Achievement Tutoring & Coaching
University
University of California, Los Angeles
University of California, San Diego
University of Colorado
University of Dayton Research Institute
University of Denver
University of Illinois
University of Massachusetts, Lowell
Uplight
Urenco USA
Ur-Energy
US Agency for International Development
US Air Force
US Air Force Nuclear Weapons Center
US Air Force Research Laboratory
US Army
US Army Aviation & Missile Research, Development, & Engineering Center
US Army Corps of Engineers
US Army Medical Recruiting
US Coast Guard
US Dept. of Agriculture, Forest Service
US Dept. of Defense
US Dept. of Energy
US Dept. of Energy, Federal Energy Regulatory Commission
US Dept. of Homeland Security
US Dept. of Interior, Bureau of Indian Affairs
US Dept. of Interior, Bureau of Land Management
US Dept. of Interior, Bureau of Ocean Energy Management
US Dept. of Interior, Bureau of Reclamation
US Dept. of Labor
US Dept. of Labor, Mine Safety & Health Administration
US Dept. of Transportation
US Dept. of Transportation, Federal Highway Administration
US Food & Drug Administration
US Forest Service
US General Services Administration
US Geological Survey
US Marine Corps Officer Programs
US Navy
US Navy Program Management Office Strategic Systems Programs, Flight Systems
US Patent & Trademark Office
US Senate
US Steel Corporation
US Tinker Air Force Base Engineering
USA Rare Earth
USG Corporation
Utility Global
Vail Resorts Management
Valve Systems
Vanderbilt University
Veltrim Steel
Verizon
Vestas American Wind Technology
Vitaculiic Company of America
VINCI Construction
Vine Laboratories
Vita Inclinata Technologies
Vivint Smart Home
Voestalpine
Vorsight
Vulcan Materials
Vyard
W. W. Wheeler & Associates
W.E. O’Neil Construction
Wadsworth Control Systems
Wagner Equipment
Wallace Engineering
Wanzeck Construction
Warren Distribution
Warrior Met Coal
Washington River Protection Solutions
Washington State University, Vancouver
Water Remediation Technology
Waters ERA
Weatherford International
Weaver Consultants Group
Weaverbird Interiors
Weir ESCO
Wells Concrete
West Coast Civil
Western Area Power Administration
Western Industrial Contractors
Western Mechanical Solutions
Western Resource Advocates
Western States Fire Protection
Western Sugar Cooperative
WestTest
Westlake Chemical
Westward Environmental
Westwood Professional Services
White Sands Water Engineers
Wimlar International
Wisent
Wolf Robotics
Wood Mackenzie
Woodridge Software
Woodward
Work For Progress
World Wide Technology
WPX Energy
WSP USA
Wunderich-Malec Engineering
Wunderman Thompson Mobile
Wyoming Department of Transportation
Wyoming State Engineer’s Office
XCEL Energy
Xray Acumen
Xilence
Xsens
Yampa Valley Sustainability Council
Yeh Associates
Yellowstone National Park Lodges
Yodi
Yumbana Gluten Free
ZAP Engineering
Zayo
Zeta Associates
Zimkor
Zimmer Biomet
Zimmerman Metals
Zoom
Zupt

YOUR SUPPORT HELPS MINES TO BUILD A NEW GENERATION OF WORLD-CLASS ENGINEERS, INNOVATORS, AND LEADERS!