

CAREER CENTER ANNUAL REPORT 2019-2020



COLORADOSCHOOLOFMINES. EARTH • ENERGY • ENVIRONMENT





IN A YEAR OF UNPRECEDENTED CHALLENGES, THE STUDENTS, FACULTY, AND STAFF OF MINES HAVE RISEN TO THE OCCASION, REFLECTING THE INDOMITABLE OREDIGGER SPIRIT OF RESILIENCE THAT IS AT THE HEART OF THE MINES EXPERIENCE. THE CAREER CENTER HAS BEEN NIMBLE IN ADAPTING TO NEW CIRCUMSTANCES AND CHANGING NEEDS. Corganizations Recruited or Hired at Mines



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

¹Among public universities nationwide www.payscale.com/college-salary-report/best-schools-bytype/bachelors/public-schools

Best Return on Investment

Positive Outcomes Rate^{2,3}

Average Starting Salary³

"IT IS ABSOLUTELY AMAZING TO BE ABLE TO PUT ON GLOVES AND TOUCH A VEHICLE THAT IS GOING INTO SPACE, LET ALONE CONTRIBUTE TO A TEAM OF INCREDIBLY SMART INDIVIDUALS TO HELP BUILD THIS VEHICLE AND GET IT INTO SPACE."

REACHING FOR THE STARS

NADIA SMITH Mechanical Engineering BS, Class of 2021

Drei n Chapper

SIERRA NEVADA CORPORATION



GRADUATED STUDENT OUTCOMES





Average Starting Salary



The Class of 2020 graduated into a labor market unlike any in recent history with a pandemic impacting course delivery and an unexpected, sudden shift in the economy. Despite these challenges, Mines graduates saw positive outcomes, similar to prior years—a testament to their enduring value as professionals and graduates.

BS, MS, and PhD grads

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



Graduates Continue with Advanced Education³

³BS and MS grads

UNDERGRADUATE OUTCOMES

The following data includes information for undergraduate students who graduated in August 2019, December 2019, and May 2020. 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.

JOBS ACCEPTED BY LOCATION



UNDERGRADUATE OUTCOMES BY MAJOR

	5
Department	ow salary
Chemical & Biochemical Engineering	\$
Chemical Engineering	\$
Chemistry	
Civil Engineering	1
Applied Math & Statistics	\$
Computer Science	\$
Economics	
Electrical Engineering	\$
Engineering	
Engineering Physics	\$
Environmental Engineering	\$
Geology & Geological Engineering	\$
Geophysics & Geophysical Engineering	\$
Mechanical Engineering	\$
Metallurgical & Materials Engineering	\$
Mining Engineering	\$
Petroleum Engineering	\$
BS Overall	\$

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.

¹The 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 to Mines community.

	Median Salary	High Salary	Average Salary	Positive Outcomes	Graduates"
\$37,000	\$68,500	\$101,000	\$67,000	97%	36
\$32,000	\$74,500	\$107,000	\$77,136	93%	104
N/A*	N/A*	N/A*	N/A*	100%	10
\$41,600	\$62,000	\$78,600	\$62,691	95%	68
\$30,000	\$75,000	\$100,000	\$73,333	100%	25
\$45,000	\$80,000	\$110,000	\$79,613	95%	120
N/A*	N/A*	N/A*	N/A*	100%	3
\$60,000	\$72,100	\$100,400	\$76,265	97%	76
N/A*	N/A*	N/A*	N/A*	100%	1
\$65,000	\$75,000	\$85,000	\$75,814	94%	52
\$50,000	\$63,000	\$79,200	\$64,330	98%	46
\$40,000	\$63,000	\$70,000	\$58,078	96%	29
\$65,000	\$90,210	\$108,000	\$87,737	92%	26
\$30,000	\$68,000	\$140,000	\$70,887	93%	313
\$63,000	\$74,000	\$101,000	\$75,379	92%	43
\$62,000	\$72,100	\$80,000	\$72,033	93%	15
\$50,000	\$89,500	\$132,000	\$87,083	97%	83
\$30,000	\$70,000	\$140,000	\$73,322	95%	1,050

* 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.

*90% data collection rate

UNDERGRADUATE OUTCOMES



18-MONTH UPDATE FOR BS CLASS OF 2018-2019

THE PROGRESS OF GRADUATES IN JOB SEARCH IS FOLLOWED FOR 18 MONTHS AFTER GRADUATION. THE OVERALL DEFINITION OF "POSITIVE OUTCOMES" INCLUDES:

- 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	Positive Outcomes 6 months after graduation	Positive Outcomes 18 months after graduation
2018-2019	94%	98%
2017-2018	88%	94%

OREDIGGERS WERE ACCEPTED AT THESE GRAD SCHOOLS:

Albany Medical College Arizona State University California State University Carnegie Mellon University Colorado School of Mines Cornell University

Georgia Institute of Technology	
Holberton School	
Louisiana State University	//
Regis University	
Rice University	
Rutgers University	

Simon Fraser University
Stanford University
Texas A&M
University of California, Berkeley
University of California, Davis
University of California, L.A.

University of California, San Diego	Ui
	U
University of California, Santa Barbara	U
University of Cambridge	U
University of Colorado Boulder	U
University of Colorado Denver	U

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83%	BS Graduates that Pursue Graduate School do so at Mines
linois lichigan ew England	University of Tennessee, Knoxville University of Washington
orthern Colorado	University of Wyoming
exas	

UNDERGRADUATE EXPERIENTIAL LEARNING

INTERNSHIP AND TECHNICAL EXPERIENCE FOR 2019-2020 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.

811 students graduated with documented, relevant technical work or research experience across 42 states and 12 countries.



BS TECHNICAL EXPERIENCE BY LOCATION



SUMMER 2020 INTERNSHIPS

Summer 2020 resulted in many internships being delayed, cancelled, or transitioned to remote due to COVID-19. The Career Center staff worked with employers and students proactively to adjust. Students made the most of their unexpected circumstances by participating in additional classes, skill-development through professional learning opportunities, and volunteer projects.

BS SUMMER 2020 INTERNSHIP SALARY BY MAJOR²

Department	Average Hourly Salary	Number Reporting
Applied Mathematics & Statistics	\$19.60	14
Chemical/Biochemical Engineering	\$23.00	36
Chemistry/Biochemistry	\$15.60	3
Civil Engineering	\$18.25	50
Computer Science	\$23.50	87

Department	Average Hourly Salary	Number Reporting
Economics & Business	N/A*	2
Electrical Engineering	\$21.70	45
Engineering Physics	\$19.20	11
Environmental Engineering	\$16.45	12
Geology & Geological Engineering	\$17.70	13

¹As reported by 2019-2020 graduates about their internship and technical experience while undergraduate students at Mines.

Department	Average Hourly Salary	Number Reporting
Geophysics & Geophysical Engineering	\$16.35	4
Mechanical Engineering	\$20.80	115
Metallurgical & Materials Engineering	\$19.70	28
Mining Engineering	\$20.50	8
Petroleum Engineering	\$36.00	16

MASTERS OUTCOMES

The following data includes information for Masters students who graduated in August 2019, December 2019, and May 2020. 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.

JOBS ACCEPTED BY LOCATION

MS Graduates



MASTERS OUTCOMES BY MAJOR

	UN U
Department	alary
Applied Math & Statistics	4
Chemical Engineering	4
Chemistry	
Civil & Environmental Engineering	1
Computer Science	4
Electrical Engineering	\$
Engineering & Technology Management	\$
Environmental Engineering Science	9
Geochemistry	
Geology & Geological Engineering	9
Geophysics & Geophysical Engineering	4
Hydrology	4
Materials Science	\$
Mechanical Engineering	9
Metallurgical & Materials Engineering	4
Mineral & Energy Economics	9
Mining & Earth Systems Engineering	
Natural Resources & Energy Policy	
Nuclear Engineering	
Petroleum Engineering	9
Physics	
Quantitative Bioscience & Engineering	
Space Resources	9
Underground Construction & Tunnel Engineering	4
MS Overall	4

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 fulltime employed category of a respective major to maintain confidentiality for graduates. Data collected from these graduates is incorporated in overall calculations.

	Median Salary	High Salary	Average Salary	Positive Outcomes	Graduates*
\$80,000	\$93,500	\$115,000	\$96,167	100%	21
\$72,000	\$97,000	\$120,000	\$96,143	92%	14
N/A*	N/A*	N/A*	N/A*	100%	2
\$45,000	\$67,500	\$95,000	\$68,388	100%	34
\$75,000	\$95,000	\$127,900	\$98,730	98%	52
\$64,000	\$95,000	\$115,000	\$93,052	89%	19
\$48,000	\$75,000	\$250,000	\$84,892	94%	36
\$59,200	\$61,100	\$63,000	\$61,100	100%	8
N/A*	N/A*	N/A*	N/A*	100%	3
\$52,000	\$110,500	\$115,000	\$96,300	100%	16
\$55,000	\$109,500	\$114,000	\$96,000	100%	14
\$55,200	\$65,060	\$105,000	\$72,078	86%	15
\$60,000	\$75,000	\$87,500	\$74,167	92%	15
\$52,000	\$81,000	\$100,000	\$78,682	92%	65
\$30,000	\$80,000	\$109,000	\$75,700	100%	9
\$70,000	\$72,600	\$250,000	\$116,300	100%	14
N/A*	N/A*	N/A*	N/A*	100%	3
N/A*	N/A*	N/A*	N/A*	100%	2
N/A*	N/A*	N/A*	N/A*	100%	1
\$70,000	\$86,000	\$102,000	\$86,000	100%	10
N/A*	N/A*	N/A*	N/A*	83%	7
N/A*	N/A*	N/A*	N/A*	100%	3
\$56,000	\$73,000	\$90,000	\$73,000	100%	4
\$74,000	\$75,000	\$94,000	\$81,000	100%	5
\$30,000	\$81,672	\$250,000	\$85,542	96%	372

**92% data collection rate

MASTERS OUTCOMES



18-MONTH UPDATE FOR MS CLASS OF 2018-2019

THE PROGRESS OF GRADUATES IN JOB SEARCH IS FOLLOWED FOR 18 MONTHS AFTER GRADUATION. THE OVERALL DEFINITION OF "POSITIVE OUTCOMES" INCLUDES:

- 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	Positive Outcomes 6 months after graduation	Positive Outcomes 18 months after graduation
2018-2019	97%	100%
2017-2018	92%	97%

SOME PLACES MINES MS GRADS CONTINUE THEIR ADVANCED EDUCATION

Carnegie Mellon University

Cornell University

Colorado School of Mines

Simon Fraser University

Stanford University

University of California, Santa Barbara











CHARLES O'BRIEN

Mechanical Engineering BS/MA, Class of 2021

"I PLAN TO CONTINUE TO WORK AT LOCKHEED MARTIN AFTER GRADUATING WITH THE ULTIMATE END GOAL OF BECOMING AN ASTRONAUT! MY DREAM JOB IS TO DESIGN AND WORK ON A SPACECRAFT THAT I EVENTUALLY TAKE TO ANOTHER CELESTIAL BODY!"

DREAM BIG

PhD OUTCOMES

The following data includes information for PhD students who graduated in August 2019, December 2019, and May 2020. 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.

JOBS ACCEPTED BY LOCATION



PhD OUTCOMES BY MAJOR

	Low S
Department	alary
Applied Math & Statistics	
Chemistry	\$
Chemical Engineering	\$
Civil & Environmental Engineering	\$
Civil Engineering	
Computer Science	
Electrical Engineering	\$
Geochemistry	
Geology & Geological Engineering	\$
Geophysics & Geophysical Engineering	\$
Hydrology	
Materials Science	4
Mechanical Engineering	\$
Metallurgical & Materials Engineering	\$
Mineral & Energy Economics	
Mining & Earth Systems Engineering	\$
Nuclear Engineering	
Operations Research	
Petroleum Engineering	\$
Physics	\$
Underground Construction & Tunnel Engineering	
PhD Overall	\$

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.

	Median Salary	High Salary	Average Salary	Positive Outcomes	Graduates**
N/A*	N/A*	N/A*	N/A*	100%	2
\$60,000	\$77,500	\$100,000	\$78,750	100%	4
\$50,000	\$100,000	\$140,000	\$94,889	100%	14
\$30,000	\$91,000	\$94,000	\$71,667	100%	5
N/A*	N/A*	N/A*	N/A*	100%	1
N/A*	N/A*	N/A*	N/A*	100%	2
\$60,000	\$85,000	\$165,000	\$94,343	100%	10
N/A*	N/A*	N/A*	N/A*	100%	1
\$90,500	\$112,500	\$136,000	\$112,875	100%	15
\$52,900	\$127,250	\$160,000	\$116,850	100%	8
N/A*	N/A*	N/A*	N/A*	67%	3
\$51,000	\$73,000	\$115,000	\$76,667	100%	8
\$65,000	\$79,000	\$80,000	\$75,429	100%	13
\$48,000	\$90,500	\$110,000	\$85,125	100%	10
N/A*	N/A*	N/A*	N/A*	100%	3
\$50,000	\$80,000	\$99,600	\$76,533	100%	5
N/A*	N/A*	N/A*	N/A*	100%	2
N/A*	N/A*	N/A*	N/A*	100%	1
\$55,000	\$110,000	\$160,000	\$108,857	100%	12
\$90,000	\$103,750	\$117,500	\$103,750	100%	5
N/A*	N/A*	N/A*	N/A*	100%	2
\$30,000	\$90,000	\$225,000	\$92,328	99%	126

**97% data collection rate

PhD OUTCOMES



18-MONTH UPDATE FOR PhD CLASS OF 2018-2019

THE PROGRESS OF GRADUATES IN JOB SEARCH IS FOLLOWED FOR **18 MONTHS AFTER GRADUATION.** THE OVERALL DEFINITION OF **"POSITIVE OUTCOMES" INCLUDES:**

- · 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	Positive Outcomes 6 months after graduation	Positive Outcomes 18 months after graduation
2018-2019	100%	100%
2017-2018	94%	97%



LAUREN SEPP

Mechanical Engineering PhD Candidate "MY RESEARCH IS FOCUSED ON UNDERSTANDING HOW CHANGES IN PROSTHETIC DEVICES AFFECT RUNNING PERFORMANCE AND JOINT HEALTH FOR PEOPLE WITH LOWER-LIMB AMPUTATIONS. I AM OVERJOYED TO BE ABLE TO POSITIVELY CONTRIBUTE TO KNOWLEDGE SURROUNDING BETTER AMPUTEE CARE, WHICH ULTIMATELY LEADS TO IMPROVED QUALITY OF LIFE."





DEVELOPING A DIVERSE STUDENT POPULATION

The Mines Career Center is dedicated to all students' career success and continues to make significant efforts to support students of all backgrounds. Joint programming includes:

- MASU (Mines African Student Union)
- MEP (Multicultural Engineering Program) Professional Development Day
- SWiM (Society of Women in Mathematics)
- Vets2STEM Event for veterans to learn more about available careers in national laboratories
- International Student and Scholar Services and Education Abroad
- AAUW (American Association of University Women) Salary Negotiation Training designed to empower women with the skills and confidence to negotiate for fair pay in partnership with WISEM (Women in Science, Engineering, and Math)
- SWE (Society of Women in Engineering)
- Counseling Center joint programming on healthy strategies for job searching
- Disability Services accommodations for students to maximize Career Day experience

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.



Outcomes data is available for historically underrepresented racial and ethnic groups and gender populations. International student employment and continuing education is reported for BS, MS, and PhD students on an F-1, H1, or J-1 visa: 63% obtaining employment in the US, 11% attending graduate school, and 16% returning to their home country.



ositive Outcomes for **89** Graduates in **Jnderrepresented Racial** and Ethnic Groups

¹ Self-reported data including BS, MS. PhD students who identified as American Indian or Alaskan Native, Asian, Black or African American, Hispanic, Multiple races, Native Hawaiian or Other Pacific Islander, Other

² Self-reported data including BS, MS, and PhD students who identified as female.



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 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

- The Mines Strategic Plan for Diversity, Inclusion & Access (2019)

- 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



"WHAT STANDS OUT TO ME IS THAT WHAT I WORKED ON FOR BOTH COMCAST AND VERIZON HAS REAL-LIFE VALUE AND IS USED IN BOTH COMPANIES. THE FACT THAT I HAD A TANGIBLE IMPACT ON THE SUCCESS OF BOTH COMPANIES MAKES ME EVEN PROUDER."



NAM DO **Computer Science** BS, Class of 2021

TANGIBLE IMPACT

RECRUITING AT MINES







This year presented a unique challenge for recruiting at Mines. While the first half of the year showed strong employer activity, the impact of the COVID-19 pandemic had a drastic effect on employment opportunities available to our students. Many of our employers made quick adjustments to internship programs and hiring plans for 2020. The Career Center worked in tandem with our employer partners to manage the impact on opportunities for students, while making new virtual hiring events accessible to students and graduates.



RECRUITING AT MINES

CAREER DAY

Taking place twice a year, in the Fall and Spring, Career Day is Mines' signature recruiting event to connect employers with students. Student participation increased by 16% while employer representation was at record-levels for the third year in a row with 459 total unique organizations attending.

INDUSTRIES REPRESENTED AT CAREER DAY



EMPLOYERS ATTENDING CAREER DAY (FALL + SPRING)



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



Participating

Students

"I ENCOURAGE ANYONE TO TAKE A NEW CHALLENGE OR OPPORTUNITY AND LEARN THE RESOURCES AVAILABLE. KEEP AN OPEN-MIND, ESPECIALLY IN LIFE, AS YOU MAY FIND SOMETHING OUTSIDE YOUR COMFORT ZONE VERY VALUABLE."

ALEXANDER GARCIA Mechanical Engineering MS, December 2019

RECRUITING AT MINES

ON-CAMPUS RECRUITING EFFORTS

The On-Campus Recruiting program was steady throughout the year, with 222 employer visits to Mines to interview students and/or present employer information sessions. The Career Center quickly adapted to virtual options in the spring semester as the campus converted to remote learning in response to the COVID-19 outbreak.



EMPLOYER INFORMATION SESSIONS

Employer Information Sessions are vital for employers seeking to brand their companies to Mines students and attract topnotch talent. These sessions provide an effective way to meet and recruit other interested students. These presentations can also be very valuable for students who are exploring different industries to find out how a specific major can lead to a career. The Career Center assists with all aspects of campus arrangements to ensure the best employer experience. The Career Center offered employers the option to host virtual information sessions in the spring semester.





RECRUITING TECHNOLOGY

COVID-19 required the Career Center to adapt the delivery of our programming for remote access. Employer Information sessions, usually delivered in person, were moved to a variety of virtual platforms, allowing the team to offer these sessions through the summer as well as to expand the number of employers hosted. The inclusion of the Simplicity Recruit feature has allowed students access to an additional national network of employers that can share open positions. Additionally, registration for Mines Career Fairs has been integrated to the DiggerNet system. This allows employers to register, post jobs, obtain event information, and edit preferred majors all in one platform.

DIGGERNET ON-LINE RECRUITING SYSTEM

Job Postings on DiggerNet

800 employers posted a total of 4,582 jobs on DiggerNet in 2019-2020, an increase from 3087 in 2018-2019. 2,733 jobs posted directly from companies (comparable to previous year) and 1809 posted as "curated" through Symplicity. 800 employers posted jobs in DiggerNet, up from 554 in the previous year.

Internship/Co-op Postings on DiggerNet

Online postings for experiential learning opportunities were up with 300 employers posting 1,942 internships and 155 co-op positions.

Employers Posted Jobs On DiggerNet



Symplicity App



Student Activity

3017 individual students logged into DiggerNet with an average of 8 logins per student for a total of 24,950 logins.

"MY DREAM JOB WILL PUT ME IN A POSITION TO SERVE MY GLOBAL COMMUNITY; I WANT TO EXPAND MY TECHNICAL SKILL SET AS QUICKLY AS POSSIBLE AND THEN APPLY IT TO ONE OF THE ENGINEERING GRAND CHALLENGES... I AM CONFIDENT THAT THE EDUCATION, EXPERIENCES, AND CONNECTIONS I'VE GAINED AT MINES WILL OPEN MANY DOORS."





HANZELL Mechanical Engineering BS, Class of 2021

The Mines Career Center offers a variety of learning opportunities and services to facilitate engagement with both students and employers. Student success and engagement is accomplished through our services which focus on the following learning outcomes:

- Students will utilize Career Center tools, coaching, and resources that support a strategic, ethical job search highlighting a student's passions, skills, and strengths. Through this, each student will take responsibility for the management of their own professional development and advancement.
- Students will work with the Career Center to connect with external stakeholders using appropriate communication tools, thus achieving a higher rate of outcomes success as well as increasing positive feedback from employers.
- By participating in employer information sessions, recruiting events, career panels, applications, and interviews, students will demonstrate the applied knowledge and use of tools acquired through their professional development to engage with prospective employers, contacts, and institutions of higher learning.
- Employers will be informed and inspired on the variety of opportunities to brand their recruiting initiatives, thereby effectively and proactively connecting with students and graduates.

CAREER CENTER SERVICES

Career Panels

In the 2019/2020 academic year, the Career Center hosted 6 career panels to provide students with industry, graduate school information, networking opportunities, and potential employment: Advanced Manufacturing, Alternative Engineering Careers, Careers in Research, Renewable Energy and Energy Efficiency, Mines Alumni, and Graduate School Week/ Graduate Student panels.

Tips, Funding Options, Writing a Statement of Purpose, and Graduate Student Panel.

CSM 250—Engineering your Career Path

CSM 250: 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 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.

• Six sections of CSM 250 were taught: 3 in the Fall semester and 3 in the Spring semester, with total enrollment of 160 students.

Student Engagement/Career Advising

- Students engaged with the Career Center through 4,802 unique students used career services, walk-in visits and individual appointments with a approximately 73% of the total 6,605 fall enrollment. Career Advisor-a total of 700 individual student • 45 workshops were conducted on topics such as visits to work on job search strategies, resume and Resume Writing, Proactive Job Search, Interviewing cover letter reviews, interview practice, contract Skills, Networking, Social Media, and Contract reviews and negotiation, and career exploration. Negotiations. Tailored presentations were provided As a response to COVID 19, Career Center hosted to student organizations and faculty for class visits.
- virtual weekly career conversations in April and • Career Center team members partnered with May on topics such as career development, and Admissions and presented at Discover Mines, general job search advice. Computronix and FAST Preview, and created videos and online content for Enterprises were included as guest employers. An virtual Launch. alumni panel was offered, featuring Mines alumni who graduated during challenging economic times • The WIRED for Work! Event was offered as a participating as panelists.
- Field Sessions: The Career Center provided professional development to academic department field sessions with major specific advisement. Staff Presented to Mechanical Engineering, Metallurgical and Materials Engineering, and Physi departments. Guest employers relevant to Physics spoke for each of six-week sessions. Through field sessions, 285 students reached.

• Highlights include alumni participation and opportunities for enhanced networking with recruiters, as well as faculty involvement. 230 students attended panels. Graduate School Week was a success with 90 students attending four sessions on graduation preparation including: Why Grad School and Application

> • Leadership guest speaker for the CEO Career Talk: Doug Lawler, Cheapeake Energy.

professional development opportunity for students to gain direct feedback and advice from industry representatives.

	• Fall 2019—31 employers registered to provide
	resume reviews and career advice. 295
CS	students attended.
5	 Spring 2020—23 employers registered to provide resume reviews and career advice. 96 students attended.

CAREER CENTER SERVICES

The Mines Strategy: Tools to Engineer Your Job Search

This career manual was completely revised with updates and new content related to virtual job searching. It continues to provide resources in searching for a major or career path, and leads students through the job search from beginning to end, including contract negotiation processes. It is available online at **careers.mines.edu**.

Student Employment/On-Campus Jobs

- On-campus jobs: 197 jobs posted, ranging from Athletics to Sodexo.
- Student Assistants Virtual Job and Resource Fair:
 - Departments that attended: 23 in Fall, 15 in Spring
 - Students that attended: over 275 in Fall, 20 in Spring





CAREER CENTER FOR MINES@150

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. This aligns with the tenets of Mines@150. We are working to create a Career Center with expanded

professional development opportunities so as to create future leaders. 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 (i.e. creating leaders, not employees)
- Expanded portfolio of employers and student-facing services
- Preparation for graduate school at Mines and elsewhere
- Preparation for alternative paths (e.g. Graduate and Professional School, including Law and Medicine, humanitarian engineering, etc.)

- Enhanced focus on undergraduate research, co-ops, and other experiential learning opportunities
- Expanded campus collaboration and international and graduate student support
- Industry and academic departmental engagement (e.g. advisory boards, field sessions, tailored panels, etc.)



Mines Career Day

Nearly 1.200 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.

1mage Software	Ahiska Hom
2U Software	AimLock
3M Company	Air Basics
47Lining, a Hitachi Vantara Company	Air Squared
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ABB	An Sleer
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Denver Water Department

Department of Earth & Ocean Sciences

Department of Natural Resources (State of Colorado)

Design Group

Dewberry Engineers

DHI Water & Environment

Dimension Group

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DISH Network

DistributionNOW

Distributor Wire & Cable

Ditesco

DL Engineering

DMC

Doe Run Company

Dolan Integration Group

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Dorsey & Whitney

Douglas County

Dow Chemical

DOWL Consulting Engineers

DP Technology

Federal Energy

Regulatory

Commission

Gates

GCC of America

Dril-Quip **DSST Public Schools** Ensco Duff & Phelps Dunham Associates **DXP** Enterprises Fund **Dynetics** E Source Eagle River Water and Resources Sanitation District Earthiustice East Daley Capitol Advisors Eaton **ECI Site Construction** Management Ecolab, Nalco Economic Development Administration EduCyber Esri **Electric Power Systems Electrical Consultants** Electro Magnetic **Applications Electro-Mechanical** Corporation Elementum 3D Ellipse Analytics **Emagination Tech** Camps **Emergent Trading Emerson Automation** Solutions **EN Engineering** Energetics Energy Acuity **Energy Think Tank** EnergyGPS energyshouldbe.org EnerSys FDA **Engage Mobilize** Engineering Economics

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STA Technologies

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US Air Force Inspection Agency

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Nuclear Security Administration US Department of

Transportation-Pipeline and Hazardous Material Safety Administration

US Dept. of Interior. Bureau of Reclamation

US Dept. of Interior, Division of Energy and Mineral Development

US Drug Enforcement Administration

US Engineering Company

US General Services Administration

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US Geological Survey, National Geospatial Technical Operations Center

US Marine Corps Officer Programs

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