



COLORADO SCHOOL OF MINES
EARTH • ENERGY • ENVIRONMENT

2018 - 2019



COLORADO SCHOOL OF MINES

Mines has the **highest admissions standards of any public university in Colorado** and among the highest of any public university in the nation.

Students and faculty are **advancing the frontiers of knowledge** in areas such as mineral exploration and subsurface characterization, renewable energy sources and technology, advanced water treatment, robotics and high-performance computing. The Mines curriculum is broad and rigorous with an emphasis on **hands-on experiences** and collaborative approaches to problem-solving.

Mines students graduate with a strong sense of **integrity, resilience, confidence** in tackling new problems, the **ability to work in collaborative environments**, an enhanced sense of **responsibility to promote positive change** in the world and pride in their Mines degree.

Home of the Mines campus since 1874, the picturesque city of Golden offers access to **Colorado's famous outdoor adventures** as well as access to the many **attractions of nearby Denver**.





FALL 2018 ENROLLMENT

	UNDERGRAD	GRAD	TOTAL
Applied Mathematics and Statistics	137	37	174
Chemical and Biological Engineering	753	61	814
Chemistry	85	61	146
Civil and Environmental Engineering	441	123	564
Computer Science	524	79	603
Economics and Business	10	104	114
Electrical Engineering	329	57	386
Engineering, Design and Society	6		6
Geology and Geological Engineering	138	161	299
Geophysics	91	64	155
Humanities, Arts and Social Sciences		5	5
Mechanical Engineering	1,378	178	1,556
Metallurgical & Materials Engineering	187	135	322
Mining Engineering	87	36	123
Petroleum Engineering	384	93	477
Physics	225	66	291
Undecided	133		133
TOTAL DEGREE-SEEKING	4,908	1,260	6,168

UNDERGRADUATE EXPENSES

	Resident	Non-resident
Tuition	\$16,650	\$36,270
Fees	\$2,314	\$2,314

*Above figures represent a full year's tuition and fees

FINANCIAL AID

Typically, more than 82 percent of the student body receives some form of aid. Mines' financial assistance program awards more than \$56 million per year, including:

- \$35.3 million in federal, state and institutional grants and scholarships
- \$1.9 million in work-study funds available for student employment
- \$22.1 million awarded in student loans
- \$3.2 million in scholarships awarded to students by outside donors

Graduate students are encouraged to apply for financial support through their academic departments. Awards consist of teaching and research assistantships. Additional financial aid and student loans are available through the Financial Aid Office.

For more information, visit: finaid.mines.edu or call 303-273-3301.



BY THE NUMBERS

#1 Mines has the largest collegiate section of the Society of Women Engineers in the United States

3 Rocky Mountain Athletic Conference All-Sports Competition Cup championships

18 Intercollegiate athletics teams at Mines

30-34 Middle 50% ACT composite score for freshmen

88%, 92%, 94% of 2017-18 bachelor's, master's and PhD graduates had positive outcomes upon graduation

92% Freshman-to-sophomore retention

200+ Student organizations on campus

6,168 Degree-seeking undergraduate and graduate students

\$29 million Amount invested by donors during fiscal year 2018

\$65.9 million Total research awards in fiscal year 2018, with roughly 24 percent funded by non-federal sources

\$300 million Mines endowment as of June 2018





RESEARCH

Mines faculty and students (both graduate and undergraduate) explore new frontiers in a diverse research portfolio. Topics range from solar photovoltaics to unconventional oil and gas, human-device interactions to fuel cells, algal biofuels to advanced composites, underground construction to computational modeling, and more.

In the fiscal year 2018, research awards totaled \$65.9 million.

For more information, visit research.mines.edu.



TRADITIONS

M Climb Each fall, incoming freshmen carry a 10-pound rock from campus to the M on Mt. Zion in Golden and coat the symbol with fresh whitewash. When students get ready to graduate, they are invited to retrieve their rock, a keepsake from their time at Mines.

E-Days For three days each spring, students put the stress of studying aside and celebrate Engineering Days. Highlights include the traditional (and legendary) fireworks show, live entertainment, engineering-themed games and a cardboard boat race down Clear Creek.



MINES IS RANKED

#1 nationally for best college offering degrees in engineering by *College Factual*

#1 best university in Colorado for employment after graduation by *Zippia*

#1 for public schools in the West with highest salaries 10 years out by *The Wall Street Journal/ Times Higher Education*

#8 highest return on tuition investment in the nation by *Payscale*

#13 best value in the country for out-of-state students by *Payscale*

#32 in top public schools by *U.S. News & World Report*

#43 nationally for best undergraduate engineering programs by *U.S. News & World Report*

#46 nationally among best colleges for veterans by *U.S. News & World Report*

#80 among national universities by *U.S. News & World Report*





UNDERGRADUATE ADMISSIONS

More than 11,000 students apply each year for one of the approximately 1,200 freshman seats and 200 transfer seats. Mines' entering class score averages include:

- 3.75-4.0 middle 50% unweighted GPA
- 1330-1470 middle 50% SAT composite
- 30-34 middle 50% ACT composite

High school students are encouraged to apply before the November 1 priority deadline of their senior year. Transfer students are encouraged to apply by October 15 and April 1 priority deadlines for the spring and fall semesters, respectively.

For more information, call **303-273-3247**, visit mines.edu/undergraduate-admissions or email admissions@mines.edu.

GRADUATE ADMISSIONS

The Graduate School at Mines welcomes graduates from four-year baccalaureate programs at recognized colleges and universities worldwide. Admission to graduate school is competitive and is based on an evaluation of academic performance, test scores, references and professional experience.

Many graduate programs at Mines have rolling admissions policies. Applying by December 15 for the fall semester and September 1 for the spring semester is highly recommended. Applications are processed by the Office of Graduate Admissions.

For more information, visit mines.edu/graduate-admissions, call **303-273-3247** or email grad-app@mines.edu.



Founded in 1874, the Mines Geology Museum is a popular attraction for those interested in natural resources.

The museum features a two-floor exhibit of minerals, fossils, gemstones, meteorite and historic mining artifacts. Serving as the state repository of Colorado's mining heritage, the museum encourages scientific curiosity through education and research, while inspiring appreciation of the Earth and responsibility for its natural materials.



Visit the main floor to see specimens from many Colorado mining districts and the Special Exhibits Room. The lower level features exhibitions on radioactivity, fossils, basic geology, gemstones, meteorites, ultraviolet minerals and underground mining illumination. And don't miss one of the two Goodwill moon rocks collected during the Apollo 17 mission, one of the museum's highlights.

For more information, visit mines.edu/geology-museum, email geomuseum@mines.edu or call 303-273-3815.

EXTENDED AND CONTINUING EDUCATION

Through Continuing and Professional Education Services (CPES), Mines provides opportunities for professionals to augment and update their knowledge and technical skills in the areas of earth, energy and the environment.

Courses deliver specialized instruction and are offered by individuals or select groups of highly trained professionals. CPES is a leading provider of science, technology, engineering and mathematics education for Colorado teachers, as well as specialized camps for students in kindergarten through 12th grade.

For more information, visit csmospace.com, call 303-384-2690 or email Learn@mines.edu.



MINES FOUNDATION

The Mines Foundation advances the university's mission by raising and managing funds and by fostering engagement with Mines alumni and friends.

The Alumni Office offers lifelong opportunities for alumni to show their Oredigger pride by staying active with the university and connecting with each other, wherever they live. The Foundation provides opportunities for investment in the people and ideas of Mines to engineer a vibrant global future.

The Foundation is a tax-exempt organization that supports fundraising on a large and small scale, from estate gifts to the Gold Mine, the university's crowdfunding platform, and #IDigMines Day, Mines' annual day of giving every February. The Foundation advances the university by receiving and stewarding these vital donations and helping alumni and friends make tax-favored gifts of any size.

A voluntary Board of Governors oversees the Foundation and the management of the school's \$300 million endowment.

For more information, visit giving.mines.edu or call **303-273-3143**.



2019 UPCOMING EVENTS

FEBRUARY

#iDigMines Day
Spring Career Day

MARCH

Spring Break

APRIL

E-Days

MAY

Spring Commencement

AUGUST

Fall Kickoff
M Climb
Celebration of Mines

SEPTEMBER

Fall Career Day
Homecoming

OCTOBER

Family Weekend

DECEMBER

Fall Commencement



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