



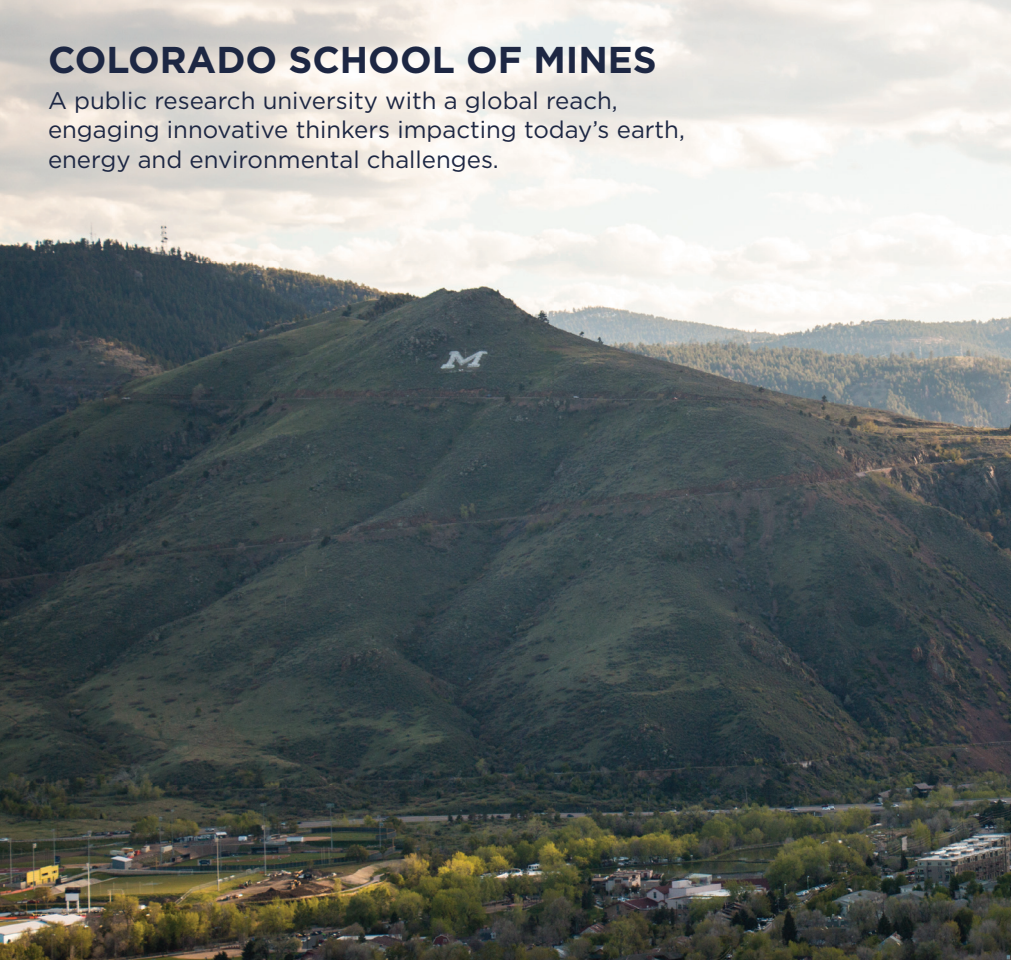
2017-18



**COLORADO SCHOOL OF MINES**  
EARTH • ENERGY • ENVIRONMENT

# COLORADO SCHOOL OF MINES

A public research university with a global reach, engaging innovative thinkers impacting today's earth, energy and environmental challenges.



Colorado School of 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 2017 ENROLLMENT

	UNDERGRAD	GRAD	TOTAL
<b>APPLIED SCIENCE AND ENGINEERING</b>			<b>1,554</b>
Chemical and Biological Engineering	778	55	833
Chemistry	76	54	130
Metallurgical & Materials Engineering	166	123	289
Physics	241	61	302
<b>EARTH RESOURCE SCIENCES AND ENGINEERING</b>			<b>1,319</b>
Economics and Business	24	113	137
Geology and Geological Engineering	129	185	314
Geophysics	109	69	178
Humanities, Arts and Social Sciences		2	2
Mining Engineering	78	41	119
Petroleum Engineering	463	106	569
<b>ENGINEERING AND COMPUTATIONAL SCIENCES</b>			<b>3,027</b>
Applied Mathematics and Statistics	135	31	166
Civil and Environmental Engineering	401	138	539
Computer Science	380	57	437
Electrical Engineering	314	61	375
Mechanical Engineering	1,320	190	1,510
<b>UNDECIDED</b>	143		<b>143</b>
<b>TOTAL DEGREE-SEEKING</b>	<b>4,757</b>	<b>1,286</b>	<b>6,043</b>



## COST OF ATTENDANCE

### 2017-18 UNDERGRADUATE EXPENSES

	Resident	Non-resident
<b>Tuition</b>	\$16,170	\$35,220
<b>Fees</b>	\$2,216	\$2,216

\*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:

- \$31.3 million in federal, state and institutional grants and scholarships
- \$1.8 million in work-study funds available to students
- \$20.6 million awarded in student loans
- \$2.9 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](http://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

**31** Average ACT score for freshmen

**85%, 93%, 96%** of bachelor's, master's and PhD graduates had positive outcomes upon graduation in 2015-16

**92%** Freshman-to-sophomore retention

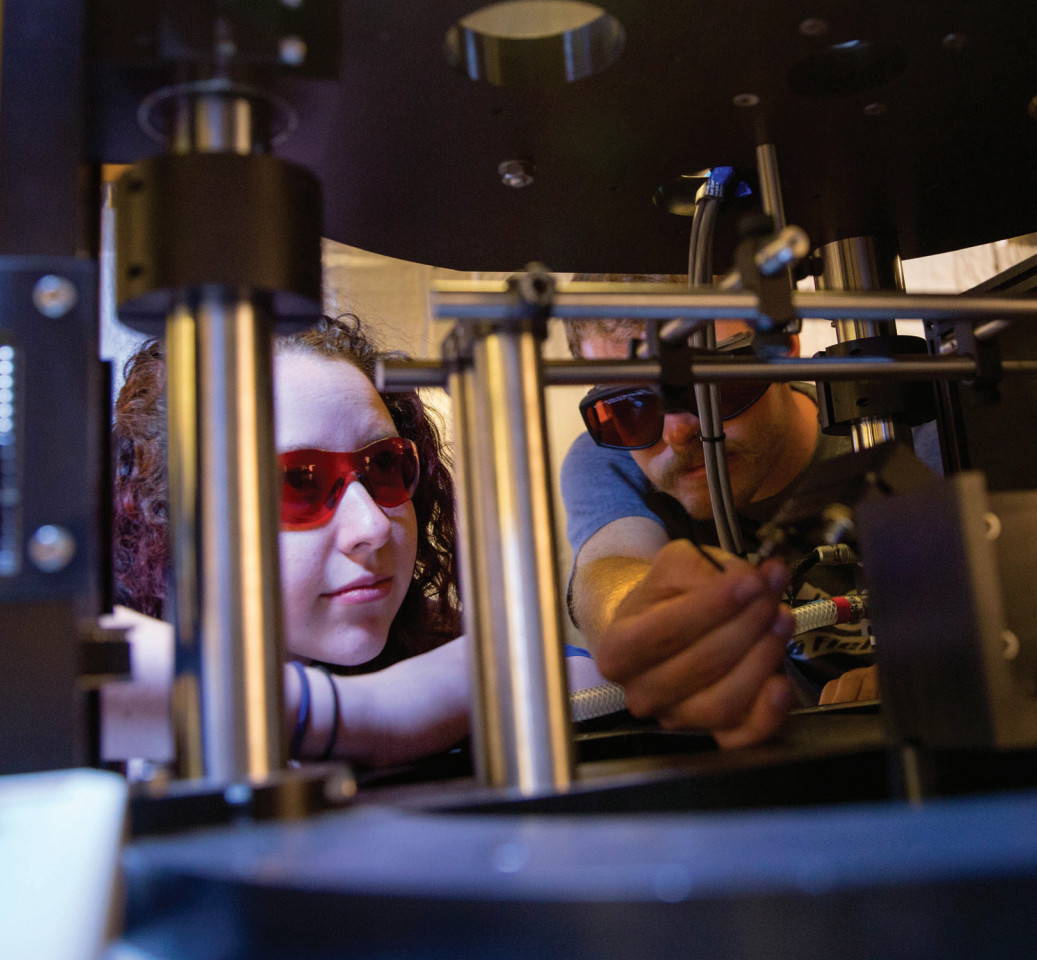
**200+** Student organizations on campus

**6,043** Degree-seeking undergraduate and graduate students

**\$26 million** Amount invested by donors during fiscal year 2017

**\$56.8 million** Total research awards in fiscal year 2017, with roughly 39 percent funded by non-federal sources

**\$286 million** Total Mines endowment as of June 2017



## MINES IS RANKED

**#1** best value college in Colorado and #13 nationally by *SmartAsset*

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

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

**#1** in mineral and mining engineering by *QS Global Ranking*

**#2** nationally for combining scholarly research with classroom instruction by *The Wall Street Journal*

**#5** in petroleum engineering by *U.S. News & World Report*

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

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

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

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

## 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.



## UNDERGRADUATE ADMISSIONS

More than 11,000 students apply each year for one of the approximately 1,100 spots in the freshman class. Mines' entering class score averages include 31 on the ACT, 1341 on the SAT and a 3.8 unweighted GPA.

High school students are encouraged to apply EARLY in the fall semester of their senior year. Transfer students are encouraged to visit the Mines website for guidance on admission.

For more information, visit [mines.edu/undergraduate-admissions](https://mines.edu/undergraduate-admissions), call **303-273-3220** or email [admissions@mines.edu](mailto: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. The Office of Graduate Studies (OGS) recommends applying by Dec. 15 for the fall semester and Sept. 1 for the spring semester. Applications are processed by OGS.

For more information, visit [mines.edu/graduate-admissions](https://mines.edu/graduate-admissions), call **303-273-3247** or email [grad-app@mines.edu](mailto:grad-app@mines.edu).





## 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 fiscal year 2017, research awards totaled \$56.8 million.

For more information, visit [research.mines.edu](https://research.mines.edu).



## GEOLOGY MUSEUM

A “gem” on the Mines campus since 2002, 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](https://mines.edu/geology-museum), email [geomuseum@mines.edu](mailto: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 [csm.space.com](https://www.csm.space.com), call **303-384-2690** or email [learn@mines.edu](mailto:learn@mines.edu).





## COLORADO SCHOOL OF 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 \$286 million endowment.

For more information, visit [giving.mines.edu](https://giving.mines.edu) or call 303-273-3143.

LEARNING HAPPENS

## 2018 UPCOMING EVENTS

### FEBRUARY

#IDigMines Day  
Spring Career Day

### MARCH

Spring Break

### APRIL

E-Days

### MAY

Spring Commencement

### AUGUST

Fall Kickoff  
Convocation  
M Climb  
Celebration of Mines

### SEPTEMBER

Fall Career Day  
Homecoming

### OCTOBER

Family Weekend

### DECEMBER

Fall Commencement

