



2015-16



COLORADO SCHOOL OF MINES
EARTH • ENERGY • ENVIRONMENT

COLORADO SCHOOL OF MINES

A public research university with a global reach, engages 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: unconventional natural gas, solar materials, fuel cells, biofuels, advanced water treatment, gas hydrates, critical minerals, geothermal energy, subsurface hydrology, ferrous metallurgy, subsurface characterization, intelligent geosystems 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, intellectual curiosity**, demonstrated ability to get a job done in collaborative environments, passion to achieve goals, and an enhanced sense of responsibility to **promote positive change** in the world.

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

FALL 2015 ENROLLMENT

UNDERGRADUATE | GRADUATE | TOTAL

APPLIED SCIENCE & ENGINEERING 1,468

Chemical & Biological Engineering	680	65	745
Chemistry	75	55	130
Metallurgical & Materials Engineering	164	125	289
Physics	232	72	304

EARTH RESOURCE SCIENCES & ENGINEERING 1,830

Economics & Business	17	143	160
Geology & Geological Engineering	133	173	306
Geophysics	155	77	232
Liberal Arts & International Studies		7	7
Mining Engineering	101	53	154
Petroleum Engineering	874	97	971

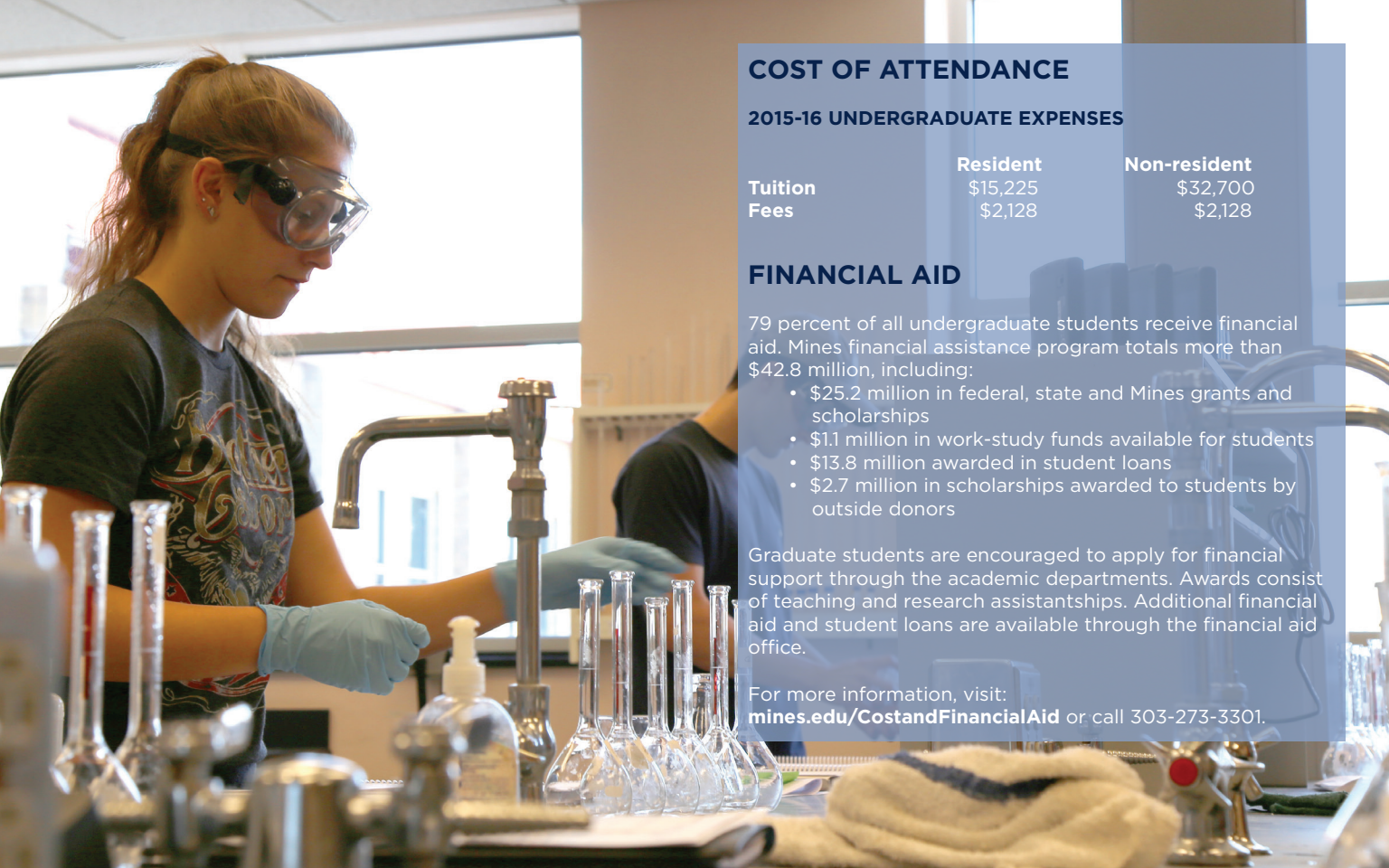
ENGINEERING & COMPUTATIONAL SCIENCES 2,351

Applied Mathematics & Statistics	89	35	124
Civil & Environmental Engineering	291	129	420
Electrical Engineering & Computer Science	486	93	579
Mechanical Engineering	1,091	137	1,228

UNDECIDED 145

TOTAL 4,533 1,261 5,794





COST OF ATTENDANCE

2015-16 UNDERGRADUATE EXPENSES

	Resident	Non-resident
Tuition	\$15,225	\$32,700
Fees	\$2,128	\$2,128

FINANCIAL AID

79 percent of all undergraduate students receive financial aid. Mines financial assistance program totals more than \$42.8 million, including:

- \$25.2 million in federal, state and Mines grants and scholarships
- \$1.1 million in work-study funds available for students
- \$13.8 million awarded in student loans
- \$2.7 million in scholarships awarded to students by outside donors

Graduate students are encouraged to apply for financial support through the 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:
mines.edu/CostandFinancialAid or call 303-273-3301.

BY THE NUMBERS

1: The largest collegiate section of the Society of Women Engineers

2: RMAC All-Sports Competition Cup recipients

18: Intercollegiate athletic teams at Mines

30: Average ACT score for entering freshmen

87, 95, 100: Percentage of bachelor's, master's and PhD graduates who had positive outcomes upon graduation in 2014-15

94: Freshman to sophomore retention percentage rate

180: Student organizations on campus

5,794: Degree-seeking undergraduate and graduate students

\$40.6 million: Amount given by donors during fiscal year 2014

\$63.8 million: Total research awards in 2014, roughly half funded by non-federal sources

\$273 million: Total Mines endowment as of June 2015





MINES IS RANKED

#1 engineering school in USA TODAY College's "The top 10 engineering colleges in the U.S."

#1 public university in the state, **#53** in nation by *The Business Journals*.

#1 public school in the state for best value colleges (average starting salary for graduates: \$66,700), **#2** in the nation by New York-based SmartAsset.

#7 in Brookings' 'value-added' college rankings.

#22 in the 2014-15 Learfield Sports Directors' Cup by the National Association of Collegiate Directors of Athletics.

#29 in *U.S. News and World Report's* Top Public Schools in "2015 Best Colleges." Mines also ranked **#41** in Best Engineering Programs (where the highest degree is a doctorate), **#56** for graduate schools in Best Engineering Schools, **#75** for Best National Universities.

A photograph of five students on a grassy lawn. One student is in a red hammock reading a book. Four other students are in a blue patterned hammock below. They are all smiling and appear to be at a school event. A large brick building is in the background.

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.

Graduating seniors are invited to return to the M and retrieve their rocks.

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

UNDERGRADUATE ADMISSIONS

Admission to Mines is highly selective. More than 13,000 students vie each year for approximately 950 spots in the freshman class. Mines entering class score averages include 30 on the ACT, 1320 on the SAT, and a 3.8 unweighted GPA.

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

For more information, visit mines.edu/undergraduate_admissions, call 303-273-3220 or e-mail admit@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. Each graduate department evaluates applicants separately, and admissions decisions are based on distinct admission criteria.

Many graduate programs at Mines have rolling admissions policies. The office recommends applying by Dec. 15 for fall semester and Sept. 1 for spring semester. Applications are accepted by the Office of Graduate Studies.

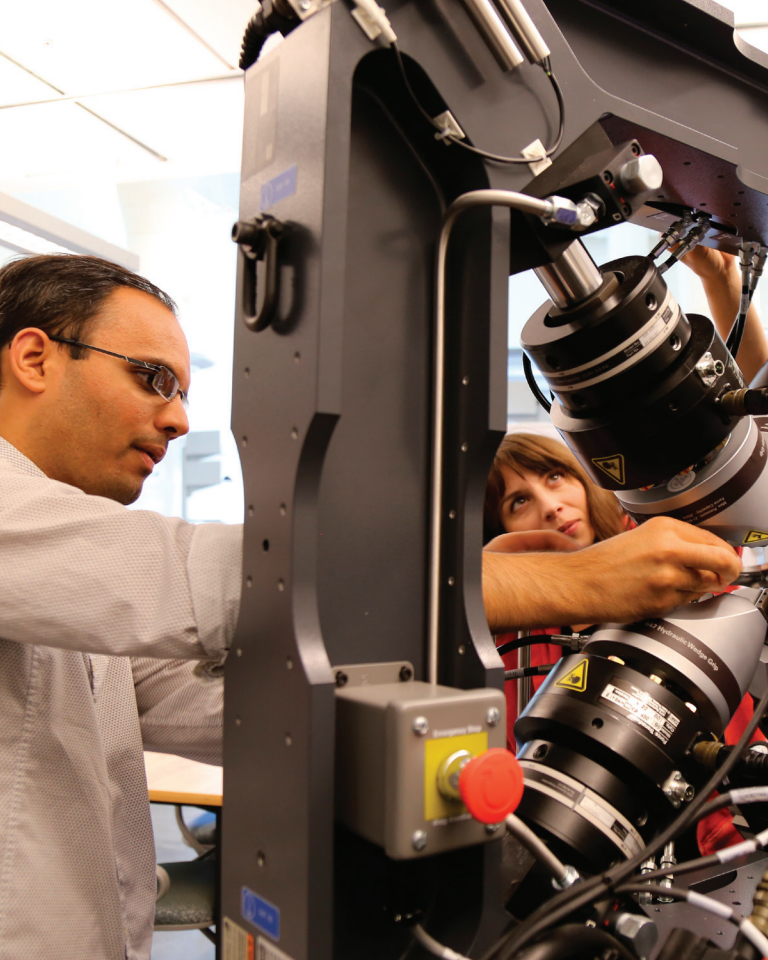
For more information, visit mines.edu/graduate_admissions, call 303-273-3247 or e-mail grad-app@mines.edu.

GRADUATE STUDIES

Nearly 1,300 graduate students from more than 60 countries study and research innovative solutions to global challenges at Mines. This community of scholars creates a unique and stimulating environment that not only advances knowledge, but creates it. From applied research within state-of-the-art research facilities on campus and within the Denver Metro area, advanced learning in areas vital to the global ecosystem, to teaching, leadership, and mentorship opportunities—graduate students are well prepared for professional and personal ventures beyond the degree.

Mines' global reputation and high admission standards, as well as its alumni network in industry, government and academic institutions, greatly contribute to student success. For more information, visit mines.edu/Graduate_PR.





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, from human-device interactions to fuel cells, from algal biofuels to advanced composites, from underground construction to computational modeling.

In 2015, research awards totalled \$63.8 million, with roughly half funded by non-federal sources.

For more information, see research.mines.edu.

GEOLOGY MUSEUM

The Colorado School of Mines Geology Museum, located at 1310 Maple St. in Golden, contains extensive displays of minerals, mining artifacts, meteorites, fossils and gemstones as well as a walk-through mine exhibit. Admission is free.

Highlights include an introductory video on area geology, the Miss Colorado Crown, as well as colorful ultraviolet mineral displays. Murals originally exhibited at the Golden Gate International Exposition in 1939 by artist Irwin Hoffman depict the history of mining and can be seen in the main gallery. Moon rocks from Apollo 15 and Apollo 17 are also displayed. The Museum Gift Shop, on the lower level of the building, features a variety of minerals, fossils and books.

For more information, see mines.edu/Geology_Museum, call 303-273-3815, or e-mail geomuseum@mines.edu.

EXTENDED AND CONTINUING EDUCATION

Through the Office of Special Programs and Continuing Education (SPACE), Colorado School of Mines provides opportunities for professionals to augment and update their knowledge and technical skills in the areas of earth, energy and environment.

Courses deliver specialized instruction and are offered by individuals or select groups of highly trained professionals. SPACE is a leading provider of science, technology, engineering and mathematics education for Colorado teachers, with courses presented in cooperation with the Extended Studies Program of the Colorado Commission on Higher Education.

For more information, see csmspace.com, call 303-279-5563 or e-mail space@mines.edu.

COLORADO SCHOOL OF MINES FOUNDATION

The CSM Foundation provides opportunities for investment in the people and ideas of Mines to engineer a vibrant global future. The foundation advances the university's mission by maximizing private support and managing resources to fund the present and secure the future of Colorado School of Mines.

The CSM Foundation is a tax-exempt organization, overseen by a board of governors, that manages the school's \$273 million endowment, helps friends and alumni make tax-favored gifts, and receives and stewards charitable bequests to the school.

For more information: giving.mines.edu, P.O. Box 4005, Golden, CO 80401-0005, or call 303-273-3143.





MINES.EDU

