The College of Applied Science and Engineering at Colorado School of Mines is a research-intensive college comprised of four academic departments and two interdisciplinary graduate programs. It is home to 87 full-time faculty and nearly 1,500 students.

CASE seeks to capitalize on its cross-disciplinary strengths in science and engineering to develop future leaders capable of addressing significant scientific and technological issues that challenge our world.

**DEPARTMENTS**

**Chemical & Biological Engineering** combines biology, chemistry, math, and physics into engineering fundamentals relating to how materials are produced and processed, in the lab and in industrial-scale facilities. CBE offers bachelor's, master's, and PhD degrees in chemical engineering, a bachelor's in chemical and biochemical engineering, and a minor in biomedical engineering.

**Chemistry** focuses on the behavior and properties of matter, the reactions that dictate chemical processes, and the creation of new substances, with emphasis on materials chemistry, energy sustainability, and environmental stewardship. CH offers BS tracks in chemistry, biochemistry, and environmental chemistry, and master's and PhD degrees in chemistry, applied chemistry, and geochemistry.

**Metallurgical & Materials Engineering** provides students with a fundamental knowledge of processing, properties, selection, and application of structural and functional materials. MME offers BS, MS, ME, and PhD degrees.

**Physics** provides students with an understanding of science fundamentals, combined with the knowledge and skills of engineering practice and design. PH offers a BS in engineering physics and MS and PhD degrees in applied physics.

**INTERDISCIPLINARY GRADUATE PROGRAMS**

**Materials Science** addresses the structure and properties of materials and their applications to various areas of science and engineering, and investigates the relationship between structure of materials at atomic or molecular scales and their macroscopic properties. The program involves MME, CH, CHE, PH, and Mechanical Engineering faculty, and offers ME, MS, and PhD degrees.

**Nuclear Science & Engineering** focuses on all aspects of the nuclear fuel cycle, from fuel exploration and processing, through nuclear power systems production, design, and operation, to fuel recycling, storage, and waste remediation and radiation damage, along with the policy issues surrounding each of these activities. This program offers ME, MS, and PhD degrees.
COLORADO SCHOOL OF MINES

CASE BY THE NUMBERS

ENROLLMENT (FY2016)
1,204 undergraduates
38% female
279 graduate students
76 master’s
203 PhD

Chemical and Biological Engineering
796
733 ug
63 grad

Chemistry
133
74 ug
59 grad

Metallurgical and Materials Engineering
263
158 ug
105 grad

Physics
291
239 ug
52 grad

RESEARCH AWARDS
CBE $6.19M
CH $7.53M
MME $8.93M
PH $4.63M

$27.3 million
FY 2016

91 full-time academic faculty
13 NSF CAREER Awards
3 Presidential Early Career Awards for Scientists and Engineers

#1 School for an Engineering Degree*

#2 Combining Research and Teaching§
#2 Best Return on Investment†
#7 Best Value (in-state)‡
#15 Best Value (out-of-state)‡
#20 Best Colleges for Skiing and Snowboarding†
#33 Top Public Schools∞

#30 $2K undergrad research fellowships per semester
#700K in graduate fellowships available per year from CoorsTek, NREL and Mines

84% BS grads employed or in grad school within year
99% MS, PhD graduates employed within year

AVERAGE SALARY OFFERS 2014-2016
Chemical Engineering $69K $68K $89K
Chemical and Biochemical Engineering $66K n/a† n/a†
Chemistry $46K n/a† $59K
Metallurgical and Materials Engineering $63K $69K $84K
Physics $62K $69K *$58K

36 selectivity rank
1320 average SAT
30 average ACT
159 average GRE
180 student organizations

miscellaneous mines facts

§USA TODAY | †Wall Street Journal | ‡BestColleges.com | *PayScale | ∞U.S. News & World Report

*Not offered | †Insufficient data | ‡Most Physics PhD graduates work as postdoctoral researchers.