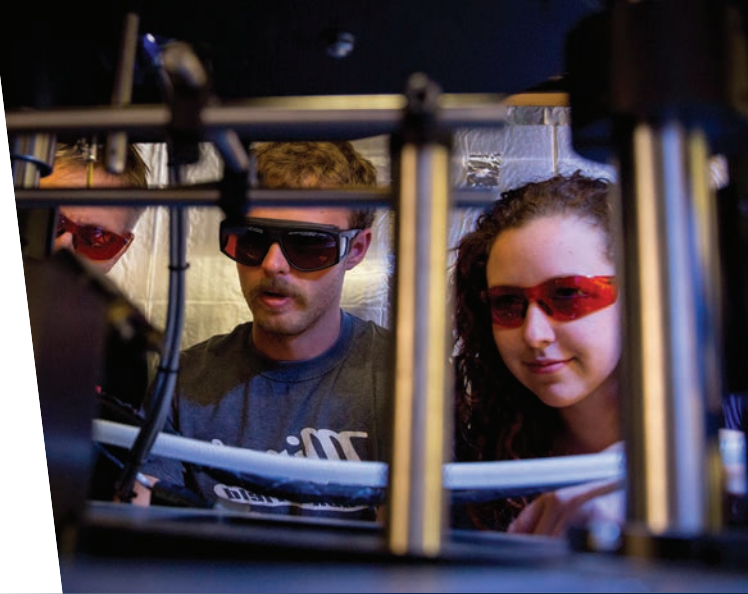


ENGINEERING PHYSICS

PHYSICS.MINES.EDU



PROGRAM SCOPE

The undergraduate degree program in Engineering Physics at Mines provides a deep understanding of science fundamentals combined with the practical knowledge and skills of engineering practice and design. Jump right into jobs that require a broad technical education or continue to specialize through graduate school, whether in physics, related technical fields or even medicine and law.

1 OF 20 ABET-ACCREDITED ENGINEERING PHYSICS PROGRAMS IN THE COUNTRY

UNDERGRADUATE RESEARCH

Physics majors at Mines participate in the research activities of the physics faculty through senior design, with additional opportunities to work as an undergraduate research assistant. Research is supported by state-of-the-art equipment and instrumentation and students will have a chance to work with the professors who are at the forefront in their areas of expertise.



SUMMER FIELD SESSION

In Summer Field Session, students are introduced to machine shop techniques, vacuum technology, materials preparation and specialized applications of computer technology.

SENIOR DESIGN

In Senior Design, students work with faculty on an independent research, design and/or fabrication project, an experience similar to that of professional physicists.

AREAS OF STUDY

The curriculum combines aspects of an engineering degree with the rigorous foundation of traditional physics. Physics majors tackle advanced topics in mechanics, electromagnetism, thermodynamics, electronics and modern physics.

DEGREE

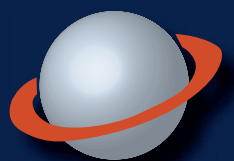
✓ Engineering Physics

Bachelor's, master's and PhD offered

+ Combined Programs

Physics majors can earn a master's degree with one additional year of study, with tracks in:

- Applied Mathematics and Statistics
- Electrical Engineering
- Nuclear Engineering
- Materials Science
- Mechanical Engineering
- Physics
- Engineering and Technology Management





STUDENT LIFE

The Physics Department is a **close-knit community** where professors take an active interest in all undergraduate physics majors. The **Society of Physics Students**, one of the most active groups on campus, is recognized as one of the nation's outstanding chapters.

Golden, in the foothills of the Rockies, is a lively, historic city just 15 minutes from **downtown Denver**. Campus is a few hours from some of the **world's best ski slopes and national parks**, and is surrounded by excellent **rock climbing, mountain biking, hiking** and **backpacking**.



COLORADO SCHOOL OF MINES BY THE NUMBERS

Mines is a public research university devoted to engineering and applied science. It has the highest admissions standards of any public university in Colorado and among the highest of any public university in the United States.

- | | |
|---|---|
| #1 U.S. school for an engineering degree* | #2 best return on investment [†] |
| #1 average starting salaries* | #4 best value (in state) ^{‡§} |
| #2 combining research and teaching [§] | #10 best value (out of state) [†] |
| #2 in the West for career preparation [§] | #29 top public schools [∞] |

*USA Today College §Wall Street Journal/THE [†]BestColleges.com [‡]PayScale [∞]U.S. News & World Report

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