BS, Engineering Physics

WHERE ENGINEERING PHYSICS STUDENTS GO

Student pursuits one-year post-graduation:
- Unknown
- Military
- Seeking
- Employed
- Further education

Industries of employment for students one year out:
- Electronics/Electrical Components
- Energy - Alternative/Renewable
- Aerospace/Defense/Aviation
- Government/Public Sector
- High Tech/Information Technology
- Legal/Law
- Teaching
- Medicine

Job titles of our graduates one-year out:
- Project Engineer
- Systems Engineer
- Secondary Math Teacher
- Test/Product Engineer
- Applications Engineer
- Patent Engineer
- Software Engineer

Experiential Major Menu

This menu is a tool for you to use to explore opportunities at Mines outside of the classroom. These are not requirements, but rather recommendations to help you leverage what Mines has to offer. Just like at a restaurant, choose what looks best to you and start from there! This menu can help you create your own pathway and customize your experience during your time at Mines.

The activities are placed in specific years based off staff and faculty recommendations, but you can participate in most of them at any time. There is never a wrong time to get involved if you're looking, and no pressure to do any of these things!

Get to know Physics

The Department of Physics is dedicated to advancing the world's knowledge in the areas of condensed matter physics, solid state physics, applied optics, quantum physics, renewable energy physics, and subatomic physics.

Our Engineering Physics program is the largest in the US, and is the only one that offers students a hands-on Field Session experience with modules in Lasers & Optics, Vacuum & Materials Science, Electronics & Instrumentation, Computing, Machine Shop, and Professional Development, Careers and Wellness.

This degree combines a deep understanding of scientific fundamentals and practical skills of engineering practice and design. As a graduate you can jump right into a career using your professional skills or continue your studies in physics, a related science, or even medicine and law.

Get Involved

Attend Celebration of Mines in August to get to know campus organizations and academic departments, sample food, and play games. Below are some departments that offer many great opportunities to enhance your experience here at Mines.
- Every Oredigger
- Student Activities, Involvement & Leadership
- University Honors and Scholars Program

Academic options in Physics

Explore the options below to see how to expand upon a Physics degree and what to expect from a Physics course load.

- Minors
  - Aerospace Engineering
  - Computer Science
  - Math
  - McBride Honors Program
  - Teaching

- 4+1 Programs
  Applied Mathematics and Statistics, Chemical and Biological Engineering, Computer Science, Data Science, Electrical Engineering, Engineering and Technology Management, Materials Science, Mechanical Engineering, Nuclear Engineering, Physics, or Quantum Engineering.

- Academic Flow Chart

- Academic Catalog

"It's hard to beat Colorado School of Mines if you want to study Engineering Physics."

Miners Current Student

Contact us: 1523 Illinois St. Golden, CO 80401 Physics@mines.edu 303-273-3830 https://physics.mines.edu
<table>
<thead>
<tr>
<th>1st year</th>
<th>2nd year</th>
<th>3rd year</th>
<th>4th or final year</th>
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<tbody>
<tr>
<td><strong>Leadership &amp; Innovation</strong></td>
<td><strong>Professional Development</strong></td>
<td><strong>Research, Creative &amp; Scholarly Achievement</strong></td>
<td><strong>Expand your leadership in your society or organisation</strong></td>
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<td>– Join the <strong>Society of Physics Students</strong> and/or <strong>Society of Women in Physics</strong></td>
<td>– Sit on hosted Industry Panels to broaden your perspective of different careers</td>
<td>– Join <strong>Sigma Pi Sigma</strong> Physics Honor Society</td>
<td>– Take <strong>CSC 350:</strong> Special Studies in Leadership &amp; Small Group Dynamics</td>
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<td>– Explore opportunities to get involved with the <strong>Undergraduate Student Government</strong></td>
<td>– Update or create a college resume and get it reviewed with feedback</td>
<td>– Get involved with Physics led projects such as <strong>Solar Decathlon, Tiny House, Mines Maker Space, or Blaster Hackers.</strong></td>
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