



# Colorado Physics

Department of Physics • University of Colorado at Boulder Graduate Program Information

## Typical Undergraduate Preparation

### Physics

|             |  |
|-------------|--|
| 3 Semesters | Introductory Physics   |
| 1 Semester  | Advanced Classical Mechanics   |
| 1 Semester  | Quantum Mechanics  |
| 1 Semester  | Statistical Mechanics  |
| 2 Semesters | Advanced Electricity and Magnetism   |
| 2 Semesters | Advanced Laboratory Course/Project Work  |
| 1 Semester  | Advanced Course in modern Physics such as Condensed Matter, Geophysics, Atomic, Nuclear, or Particle Physics |

### Math

|             |                        |
|-------------|------------------------|
| 3 Semesters | Calculus               |
| 1 Semester  | Linear Algebra         |
| 1 Semester  | Differential Equations |

### Computing

General Knowledge

### Placement Tests

|             |   |
|-------------|---|
| General GRE | Required  |
| Physics GRE | Required<br>Last year's domestic average 720 - 730<br>Last year's international average 880 - 890   |
| TOEFL       | Required for international applicants from non-English speaking countries.<br>The minimum acceptable score is 575 paper-based or 233 computer-based.<br>This requirement is waived for students who have studied in the United States for one full year at the time of application. |