



BACHELORS DEGREES IN PHYSICS

Why earn a degree in Physics?

Physics is the most fundamental science and underlies our understanding of nearly all areas of science and technology. In a broad sense, physics is concerned with the study of energy, space, matter, and the interactions between them. Specific areas of study that physicists pursue include: atomic physics, nuclear physics, condensed matter physics, optics, thermodynamics, gravitation, relativity, and mechanics. About half of our graduates have continued their studies in graduate programs; our alumni include students who continued their studies at Harvard, MIT, and Berkeley. Many graduates earn their middle school or high school teaching credentials; others find job opportunities in industrial or governmental laboratories.

What are my options?

There are two degree options, the Bachelor of Arts and the Bachelor of Science. Both degrees have the same lower division preparatory work, but the BA degree has 29 units of required upper division physics coursework, compared to the 38 units for the BS degree. In general, those graduating with the BS degree have their sights set on graduate school in physics, while those with the BA have the flexibility to select additional courses outside of physics to prepare them for careers in industry or teaching.

Facilities:

- Anechoic Chamber
- Instrumentation and Electronics Laboratory
- Optics Lab
- Scientific Machine Shop
- Computational Lab
- Astronomical Research Lab



Faculty:

Fourteen full-time faculty members with backgrounds in atomic and molecular physics, nuclear physics, high energy physics, astronomy, instrumentation, computational physics, and physics education research teach classes at all levels – from “physics for poets” to quantum mechanics. Students get to work closely with faculty members as academic and research advisors. Formal and informal gatherings of students, faculty, and staff contribute to a wonderful learning environment.

Outside the Classroom:

- Society of Physics Students
Our Award Winning Physics Club
- Student Research
Discover the next cool thing
- Scholarships
Several annual scholarships totaling more than \$7000
- Tutoring Center
Hone your teaching skills
- Stockroom and Grading Jobs
Preferred hiring, work study available
- Field Trips
Visit area research labs and facilities