



### **Comprehensive Physics Major.**

From the basic laws of physics to the resulting emergent behavior, physics studies what the universe is made of and how it works. As a Physics major at UC Davis, you will have the opportunity to join with our faculty in research that pushes forward the frontier of knowledge. This research ranges from the very smallest elementary particles, to the matter that surrounds us, to the structure and evolution of the entire universe. We offer three degrees in Physics, a B.S., B.S. with a specialization in Astrophysics, and an A.B.

### **Dynamic Applied Physics Major.**

Undergraduate physics training provides excellent preparation for a career or for graduate work in many fields--from sciences such as oceanography and geology, to law, medicine, and even finance. The Applied Physics B.S. major combines core physics coursework with classes in related fields. Options of study include computational physics, physical electronics, chemical physics, geophysics, materials sciences, physical oceanography, and atmospheric physics.

### **At UC Davis we're friendly.**

We have accessible professors that work with their doors open and are available to students. Physics majors enjoy a sense of camaraderie and benefit from an active Physics Club, with its own dedicated room in the physics building for a variety of activities. The city of Davis has a thriving downtown area with shops, restaurants, movie theaters and art galleries. We are 14 miles from Sacramento, two hours from all the recreational opportunities of the Lake Tahoe area and 70 miles from the cultural attractions of the SF bay area. Davis has a small town feel, with large city appeals.

# Why Physics @ UC DAVIS

### **Real World Applications.**

Our Physics and Applied Physics majors pursue careers and graduate study in a broad range of fields. A.B. majors often enter such areas as teaching at the K-12 level, management, production, administration or sales in a variety of industries. B.S. majors are well prepared to continue their study of physics and astronomy at the graduate level; many also pursue related fields such as computer science and materials science. Applied Physics majors are provided with a flexible set of skills leading to outstanding career opportunities in a variety of fields involving physics.

### **Research Opportunities in Physics.**

Many UC Davis professors include one or more undergraduates in their research groups. Doing research as an undergraduate exposes you to a side of physics very different from coursework, and provides training in marketable skills from machining to computer programming.

### **Summer Research Experience for Undergraduates (REU)**

The Physics Department offers a summer REU program sponsored by the National Science Foundation. This 10 week program offers students the opportunity to work in areas not represented at UC Davis.

### **Who's hiring Physics Bachelors?**

*Sample list below*

- Aero Jet
- Apple
- AT&T
- Boeing
- Department of Defense
- Google
- Intel
- Jet Propulsion Laboratory (JPL)
- Lawrence Berkeley National Lab
- Salk Institute

For a **complete** nationwide listing of Who's Hiring Physics Bachelors, please go to the AIP website: <http://www.aip.org/statistics/trends/states/state.html>

*Visit [www.physics.ucdavis.edu](http://www.physics.ucdavis.edu) for more information*