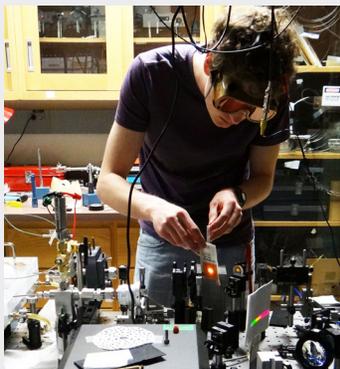


Program Overview

The Department of Physics offers graduate programs with the opportunity to earn a master of science degree in applied physics or a master of arts (MA), master of science (MS), and doctor of philosophy (PhD) degrees in physics with a variety of opportunities for research. The 30 Physics faculty are currently involved in the following research areas:

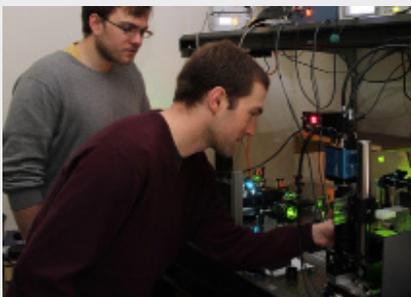
- Astronomy and Astrophysics
- Biophysics
- Condensed Matter Physics
- Elementary Particle Physics
- Material Science
- Optical Physics
- Physics Education Research
- Solid State Physics
- Theoretical and Computational Physics



Master's Industrial Internship Program

Our program trains students in the real-world knowledge and skills necessary to be successful in the industrial research laboratory - and we help you get there. We believe an advanced degree in applied physics should help you land a job and prepare you for a successful career.

For more information, visit our website: <http://internship.uoregon.edu/>



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For more information contact the Physics Department at:

physgradinfo@uoregon.edu

Physics Department

UO Physics ranked 24th to 57th of 161 PhD programs in the 2010 National Research Council report. The University of Oregon is a member of the AAU, a prestigious organization of 62 top research universities.

The University of Oregon is an equal-opportunity, affirmative-action institution committed to cultural diversity and compliance with the Americans with Disabilities Act. This publication will be made available in accessible formats upon request.

A world-class teaching and research university.

Doctoral Program In Physics



Institutes and Centers

The University of Oregon has several interdisciplinary institutes in which Physics faculty members participate:

The Center for High Energy Physics (UOCHEP, <http://pages.uoregon.edu/chep/>) supports experimental and theoretical high energy physics research at the University of Oregon and at various external laboratories including CERN, Fermilab and SLAC accelerator facilities and the LIGO gravitational wave observatories.

The Institute of Theoretical Science (ITS, <http://pages.uoregon.edu/its/index.shtml>) is a center for multidisciplinary theoretical research. Disciplines represented in the institute include: physics, mathematics, and chemistry.

The Materials Science Institute (MSI, <http://www.materialscience.uoregon.edu>) focuses much of its efforts on the creation and study of new materials and devices, but also addresses more fundamental questions in experimental and theoretical physics.

The Oregon Center for Optical, Molecular & Quantum Science (OMQ, <http://oco.uoregon.edu/>) promotes and facilitates research and education in the optical sciences at the University of Oregon, wherever optical science is involved in either its fundamental aspects or its technological applications.

Research Facilities

Willamette Hall, home of the Physics Department, is a state-of-the-art facility with many cutting-edge research laboratories.

Willamette Hall was the centerpiece of the \$45.6 million project that included three other buildings in the science complex. Funding for the four new buildings came primarily through a Department of Energy grant.

The Technical Science Administration (TSA) maintains professional and student machine shops and an electronics shop often used to fabricate materials for experiments.

The Shared Laser Facility (SLF) is a multidisciplinary laboratory available to the university community and others by appointment. Faculty members can use the SLF to set up long or short-term experiments using shared equipment.

The Center for Advanced Materials Characterization at Oregon (CAMCOR, <http://camcor.uoregon.edu/>) houses capital-intensive equipment for microanalysis, surface analysis, electron microscopy, semiconductor device fabrication, as well as traditional chemical characterization for users from inside and outside the University. The staff members who run the facilities are experienced in sample preparation, data collection, and data analysis.

Pine Mountain Observatory (<http://pmo-sun.uoregon.edu/>), operated by the Department of Physics for research and advanced instruction in astronomy, is located thirty miles southeast of Bend, Oregon. The observatory has three telescopes including the largest governed by computer.

Living in Eugene

Founded by Eugene Skinner, a pioneer and explorer of the 1860s, the City of Eugene is a vibrant, progressive community that embraces its connection to the University of Oregon. Eugene has frequently been recognized as a great place to live:

- Livability.com called Eugene one of its Top 10 college towns.
- National Geographic's "Green Guide" named Eugene the number one green city in the U.S. for air quality, recycling, transportation, and green space.
- Bicycling magazine called Eugene one of the ten most bicycle-friendly cities in the nation.
- Rolling Stone included Eugene in its list of "America's Top 10 Campus Music Scenes That Rock."
- Money magazine has ranked Eugene among the best six U.S. cities in which to live.



Eugene is a safe, friendly, and exciting city with a small town feel. You'll find shops to explore, a thriving local art scene, theaters, and several music venues.

Willamette Hall

Financial Aid

Financial Aid is available through research and teaching assistantships, which provide an annual stipend and an exemption from tuition charges during the academic year. Combined with the relatively low cost of living in Eugene, these stipends provide our graduate students with one of the country's highest standards of living.