

The Curriculum

The OSU Physics Department offers several distinct and flexible degree options which lead to a Bachelor of Science degree in Physics. Depending on your career interests, one of these core degree choices, combined with the appropriate electives, can prepare you for a productive technical career in science, engineering, or other technically related areas. There are 2 undergraduate degrees offers B.S. in Physics and B.S. in Applied Physics, the BS in Applied Physics combines Physics with virtually any other subject from accounting to zoology.

Physics Majors develop the following skills:

Investigation	Computational
Define research problems	Measure distances/ relationships
Develop research models	Perform calculations
Establish hypotheses	Mathematical modeling
Gather/analyze data	Maintain records
Evaluate ideas	Utilize math formulas
See relationships among factors	
Communication	Technical
Develop & write research proposals	Design equipment
Review scientific literature	Identify/classify materials
Summarize research findings	Observe data
Inform, explain, instruct	Establish experimental designs
Prepare technical reports	Use instruments
Draw meaningful conclusions	

Depending on your desired career path, additional skills may need to be developed to be competitive in the marketplace upon graduation. Make an appointment with a career consultant to design your individual career development plan.

Job & Internship Web Sites

- Physics Jobs Online
<http://physicsweb.org/jobs/>
- TIPTOP Jobs Online
<http://tiptop.iop.org/>
- Health Physics Employment Opportunities
<http://www.physics.isu.edu/radinf/jobs.htm>
- Jobs in physics, astronomy and other fields
<http://www.phys-astro.sonoma.edu/advisor/Jobs.html>
- Jobs in Science
<http://aaas.sciencecareers.org/js.php>
- Physics and Astronomy Online
www.physlink.com
- American Institute of Physics Career Services
<http://www.aip.org/careersvc/>
- American Physical Society
<http://www.aps.org/jobs/index.html>
- Physics Jobs On-Line
<http://physicsweb.org/TIPTOP/FORUM/JOBS/>
- Health Physics Employment Opportunities
<http://www.radix.net/~gregsackett/jobs.htm>
- Association of Science-Technology Centers
<http://www.astc.org/profdev/jobs/jobs.htm>
- Jobs in physics, astronomy and other fields
<http://www.phys-astro.sonoma.edu/people/faculty/tenn/Jobs.html>
- Jobs in Optics
<http://www.optics.org>
- Jobs in Science
<http://recruit.sciencemag.org/jobsearch.dtl>
- Positions in High Energy Physics
<http://www.hep.net/employment/list-jobs.html>
- School jobs
<http://www.school-jobs.net>
- K-12 Job Search
<http://www.k12JobSearch.com>
- Education America Network
<http://www.educationamerica.net/>
- United States Office of Personnel Management
<http://www.usajobs.opm.gov/>

College of Arts & Sciences Career Success Guide

Provided to all new, incoming students as an introduction to the career planning process If you don't have a Guide...Get one!!!

Come See Us!

College of Arts & Sciences Career Services
Student Success Center, 213 LSE
phone: 405-744-5658
email: ascareers@okstate.edu
Appt calendar: ascalendar.okstate.edu

Potential Career Paths

Physics offers challenging, exciting, and productive careers. As a career, physics covers many specialized fields -- from acoustics, astronomy, and astrophysics to medical physics, geophysics, and vacuum sciences.

Physics offers a variety of work activities--lab supervisor, researcher, technician, teacher, manager. Physics opens doors to employment opportunities throughout the world in government, industry, schools, and private organizations.



<http://www.aip.org/careersvc/pify/indigo.html>

Where do Physics Majors work?

According to the AIP Statistical Research Center. The data provided represent responses from the Initial Employment Survey, 2003-2005.

56%	Private Sector
14%	High School
12%	Colleges and Universities
7%	Military
6%	Civilian Government

Build Skills Beyond the Classroom

Join related clubs, professional associations, & organizations

- Athletics/Sports
- Military
- Part-time Employment (Summer/Work Study)
- Internships/Job Shadowing
- Travel/Work Abroad
- Volunteer/Community Service

Sample of Related Occupations

Acoustical Physicist	Geophysicist
Optical Physicist	Astrophysicist
Health Physicist	Plasma Physicist
Biophysicist	Materials Scientist
Research Physicist	Fiber Optic Engineer
Molecular Physicist	Teacher/Professor
Fluid Physicist	Nuclear Physicist
Technical Consultant	Engineer
Quality Assurance Specialist	Medical Physicist

Types of Employers

Private/Non Profit

- Aircraft & instrument manufacturers
- Information technology companies
- Chemical manufacturers
- Production facilities
- Defense manufacturing companies
- Research and Development
- Educational institutions
- Scientific journals
- Electrical equipment companies
- Technical consulting firms
- Engineering firms
- Testing labs
- Health care facilities

Government

- Centers for Disease Control & Prevention
- National Aeronautics & Space Administration
- Department of Agriculture
- National Bureau of Standards
- Department of Energy
- National Institutes of Health
- Department of Defense
- National Science Foundation
- Department of Health & Human Services
- Occupational Safety & Health Administration

Need help with the job search?
College of Arts & Sciences Career



Services offers:

Arts & Sciences 4111 Career Planning and Job Search Strategies

Course descriptions available at the Career Services website:

<http://ascareers.okstate.edu>