

# Physics

*This sheet has sample occupations, work settings, employers, and career development activities associated with this major. Some of these options may require additional training and career planning. You are not limited to these options when choosing a possible career path.*

## Specializations

Acoustics	Elementary Particle Physics	Physics	Solid State and Low-
Astronomy & Astrophysics	Health/Medical Physics	Plasma and High-	Temperature Physics
Atomic/Molecular Physics	Nuclear Physics	Temperature Physics	Theoretical and
Biophysics	Optics/Optical Sciences		Mathematical Physics

## Sample Occupations

Aerospace Engineer	Experimental Physicist	Medical Lab Technician	Physicist
Astrophysicist	Fire Prevention and	Medical Physicist	Product Safety Engineer
Atmospheric and Space	Protection Engineer	Medical Technologist	Radiologic Technologist
Scientist	Forensic Science Technician	Metallurgist	Radiologist
Airline Dispatcher	Geophysical Data Technician	Meteorologist	Science Seismologist
Airplane Pilot/Navigator	Geoscientist	Microbiologist	Soil & Plant Scientist
Architect	Hydrologist	Mining and Geological	Stress Analyst
Architectural Drafter	Occupational Health and	Engineer	Systems Analyst
Biomedical Engineer	Safety Specialist	Nuclear Engineer	Technical Secretary
Biophysicist	Information Scientist	Nuclear Physicist	Theoretical Physicist
Chemical Engineer	Laboratory Technician	Petroleum Engineer	Writer, Technical
Computer Programmer	Laser Technician	Pharmacologist	Zoologist
Engineering Technician	Machinist	Photogrammetrist	
(Electrical, Civil)	Manufacturers' Rep.	Photo-Optics Technician	
Environmental Scientist	Mechanical Engineer	Physical Scientist	

## Sample Work Settings

Astronaut Corps	Dept. of Defense	Museums	Non-Profit Research Groups
Chemical Companies	Dept. of Energy	National Aeronautics &	Oil Fields
Educational Institutions	Dept. of the Interior	Space Administration	Patent Law Firms
Electronic Firms	Federal Government (Army,	National Oceanic &	Power Plants
Engineering Firms	Navy, Coast Guard, Air	Atmospheric	Research and Development
Federal Agencies:	Force)	Administration	Firms
Dept. of Agriculture	Hospitals	National Transportation	
Dept. of Commerce	Laboratories	Safety Board	

## Sample Employers

*A sample of organizations that have hired students with a concentration in physics.*

Argonne National Laboratory Citilabs	Florida Department of Agriculture and Consumer SER	GE Aviation NASA	Tallahassee Community College
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## Sample Websites

Institute of Physics <a href="http://www.iop.org">www.iop.org</a>	Physics Central <a href="http://www.physicscentral.com">www.physicscentral.com</a>	PhysicsWorld.com <a href="http://www.physicsworld.com">www.physicsworld.com</a>
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## Connecting Majors, Skills, and Occupations

- View learning outcomes associated with your major in the *FSU Undergraduate Academic Program Guide Learning Compact*: [www.learningforlife.fsu.edu/smalcs/learningcompacts.cfm](http://www.learningforlife.fsu.edu/smalcs/learningcompacts.cfm)
- Explore the connection between occupations and skills in O\*Net: [www.onetonline.org](http://www.onetonline.org)
- Use the FSU Career Portfolio to document transferable skills you develop through your major and other experiences: [www.portfolio.fsu.edu](http://www.portfolio.fsu.edu)
- Use ProfessoNole to learn more about industry demands, career expectations, and opportunities from professionals: [www.career.fsu.edu/professionole](http://www.career.fsu.edu/professionole)

## Sample Career Center Library Resources

### Sample Books

Careers in High Tech.....IIB 17-2000 B25	Job Choices in Science & Engineering.....VIB5 C61
Careers in Science.....IIB 19-0000 E2	Opportunities in Laser Technology Careers.....IIB 17-3020 B61
Career Information Center: Engineering, Science and Technology.....IIA CIC-6	Opportunities in Telecommunications Careers.....IIB 27-3000 B61
Career Opportunities in Science.....IIB 19-0000 E25	Physical Science Career Directory.....VIB5 M6
Green Careers: Choosing Work for a Sustainable Life.....IIB 19-2041 C3	Physicists Occupational File.....IIB 19-2012
	Professional Careers Sourcebook.....IIA S2

### Self Exploration and Career Information

*To explore values, interests, and skills:*

*To explore occupational outlooks and salaries:*

Choices Planner  
[www.flchoices.org](http://www.flchoices.org)

Sigi3  
[www.career.fsu.edu/sigi](http://www.career.fsu.edu/sigi)  
(Obtain a User ID from a Career  
Advisor)

NACE Starting Salaries Survey Data  
[www.naceweb.org/salary-resources/  
starting-salaries.aspx](http://www.naceweb.org/salary-resources/starting-salaries.aspx)

Occupational Outlook Handbook  
[www.bls.gov/ooh](http://www.bls.gov/ooh)

Salary.com  
[www.salary.com](http://www.salary.com)

SeminoleLink Plus! Services  
[www.career.fsu.edu/seminolelink](http://www.career.fsu.edu/seminolelink)

See additional resources in Career  
Center Advising Module Sheets:  
[www.career.fsu.edu/advising/  
modules.cfm](http://www.career.fsu.edu/advising/modules.cfm)

## Sample Professional Organizations

American Association of Physics Teachers,  
One Physics Ellipse - College Park, MD  
[www.aapt.org](http://www.aapt.org)

American Association of Physicists in Medicine,  
One Physics Ellipse - College Park, MD  
[www.aapm.org](http://www.aapm.org)

Biophysical Society - Bethesda, MD  
[www.biophysics.org](http://www.biophysics.org)

Joint Institute for Laboratory Astrophysics,  
University of Colorado - Boulder, CO  
[jila.colorado.edu](http://jila.colorado.edu)

*For other related professional organizations, go to FSU Libraries database at [lib.fsu.edu](http://lib.fsu.edu); select Find a Database; search for Gale Databases; choose Associations Unlimited.*

## Additional Information

Florida State University Career Guide 2013-2014  
[www.career.fsu.edu/pubs/2013-14CareerGuide.pdf](http://www.career.fsu.edu/pubs/2013-14CareerGuide.pdf)

Career Guides  
[www.career.fsu.edu/advising/guides.cfm](http://www.career.fsu.edu/advising/guides.cfm)

Library Links  
[www.career.fsu.edu/library/links.cfm](http://www.career.fsu.edu/library/links.cfm)

Steps to Career Success  
[www.career.fsu.edu/Steps-to-Career-Success/](http://www.career.fsu.edu/Steps-to-Career-Success/)