

# 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-Temperature Physics
Astronomy & Astrophysics	Health/Medical Physics	Plasma and High-Temperature Physics	Theoretical and Mathematical Physics
Atomic/Molecular Physics	Nuclear Physics		
Biophysics	Optics/Optical Sciences		

## Sample Occupations

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

## Sample Work Settings

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

## Sample Employers

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

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

## 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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## Sample Career Center Library Resources

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### Sample Books

Careers in High Tech.....IIB 17-2000 B25	Opportunities in Laser Technology Careers.....IIB 17-3020 B61
Careers in Science.....IIB 19-0000 E2	Opportunities in Telecommunications Careers.....IIB 27-3000 B61
Career Information Center: Engineering, Science and Technology.....IIA CIC-6	Physicists Occupational File.....IIB 19-2012
Career Opportunities in Science.....IIB 19-0000 E25	Professional Careers Sourcebook.....IIA S2
Green Careers: Choosing Work for a Sustainable Life.....IIB 19-2041 C3	Resumes for Scientific and Technical Careers.....VA R4
	Turning Science into Things People Need..... IIA G555

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### Self-Exploration and Career Information

*To explore values, interests, and skills:*

*To explore occupational outlooks and salaries:*

FOCUS 2

[www.career.fsu.edu/Students/Plan-Your-Career/Explore-Majors-and-Careers/FOCUS2](http://www.career.fsu.edu/Students/Plan-Your-Career/Explore-Majors-and-Careers/FOCUS2)

Sigi3

[www.career.fsu.edu/sigi](http://www.career.fsu.edu/sigi)

*(Obtain a User ID from a Career Advisor)*

National Compensation Survey

[www.bls.gov/ncs/](http://www.bls.gov/ncs/)

Occupational Outlook Handbook

<http://www.bls.gov/ooh>

Salary.com

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

SeminoleLink

[www.career.fsu.edu/seminolelink](http://www.career.fsu.edu/seminolelink)

See additional resources in Career Center Advising Module Sheets:

[www.career.fsu.edu/Resources/Module-Sheets](http://www.career.fsu.edu/Resources/Module-Sheets)

## Connecting Majors, Skills, and Occupations

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- View learning outcomes associated with your major in the *FSU Undergraduate Academic Program Guide* Learning Compact: [www.academic-guide.fsu.edu/](http://www.academic-guide.fsu.edu/)
- 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 Professionale to learn more about industry demands, career expectations, and opportunities from professionals: [www.career.fsu.edu/professionole](http://www.career.fsu.edu/professionole)

## Sample Professional Organizations

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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

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Florida State University Career Guide  
[www.career.fsu.edu/Resources/Career-Guides](http://www.career.fsu.edu/Resources/Career-Guides)

Career Guides by Topic  
[www.career.fsu.edu/Resources/Career-Guides](http://www.career.fsu.edu/Resources/Career-Guides)

Library Links  
[www.career.fsu.edu/Resources/Career-Center-Library](http://www.career.fsu.edu/Resources/Career-Center-Library)

Steps to Career Success  
[www.portfolio.career.fsu.edu/stepstocareersuccess/index.html](http://www.portfolio.career.fsu.edu/stepstocareersuccess/index.html)