

## PHYSICS

**SAMPLE OCCUPATIONS:** Please ask a career advisor for help in identifying resources for the following occupations and job titles. Note that some of these options may require an advanced degree.

### **Specializations**

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

Computer-Systems Engineer  
Crime Laboratory Analyst  
Consultant  
Editor (Science)  
Electronics Engineer  
Engineering Technician  
Engineering Technologist  
Environmental Scientist  
Fire Prevention and Protection  
Engineer  
Flight Engineer  
Geophysical Data Technician  
Geoscientist  
Hydrologist  
Occupational Health and Safety  
Specialist  
Information Scientist  
Instrumental Technician  
Laboratory Technician  
Laser Technician  
Librarian, Special  
Machinist  
Management Trainee  
Manufacturers' Rep  
Materials Engineer  
Mathematician  
Mechanical Engineer  
Medical Lab Technician  
Medical Physicist  
Medical Technologist  
Metallurgist

Meteorologist  
Microbiologist  
Mining and Geological Engineers  
Nuclear Engineer  
Nuclear Technicians  
Optometrist  
Optometric Assistant  
Petroleum Engineers  
Pharmacologist  
Photo-optics Technician  
Protogrammetric Engineer  
Photogrammetrist  
Physical Scientist  
Physician  
Physicist Technician  
Physics Teacher, Postsecondary  
Product Safety Engineer  
Radiologic Technologist  
Radiologist  
Safety Manager  
Salesperson, Scientific Apparatus  
Science Technologist  
Science Seismologist  
Software Engineer  
Stress Analyst  
Systems Analyst  
Teacher, Science  
Technical Secretary  
Writer, Technical  
Zoologist

### **Occupations**

Aerospace Engineer  
Atmospheric and Space Scientist  
Agronomist  
Airline Dispatcher  
Airplane Pilot/Navigator  
Air Traffic Controller  
Architect  
Aviation Inspector  
Biomedical Engineer  
Ballistics Experts  
Chemical Engineer  
Computer Programmer

### **SAMPLE CAREER CENTER LIBRARY RESOURCES**

Careers in High Tech IIB 17-2000 B25  
Careers in Science IIB 19-0000 E2  
Carrer Information Center: Engineering, Science and  
Technology IIA CIC-6  
College Board Book of Majors IIC AAC7  
College Majors & Careers IIC AA P4  
Directory of Fla. Industries VID FL 8  
Federal Career Opportunities VIB2 U7

Florida Aviation/Aerospace Directory VIB5 E5  
Job Choices in Science & Engineering VIB 5 C61  
Opportunities in High Tech Careers IIB 17-2000 G6  
Opportunities in Telecommunications Careers IIB 27-  
3000 B61  
Physical Science Career Directory VIB5 M6  
Physicists, File 2 IIB 19-2012  
Professional Careers Sourcebook IIA S2

For POSSIBLE electronic format for these or other related resources, use the FSU Libraries Catalog at [lib.fsu.edu](http://lib.fsu.edu); select Advanced Catalog Search: **Keywords Anywhere** = vocational And **Title Keywords** = type a specific career area (think of alternate terms to describe your career in case one doesn't give results).

### **OTHER SOURCES OF INFORMATION**

Choices Planner

[www.bridges.com/cpflorida/](http://www.bridges.com/cpflorida/)

eDISCOVER

[www.act.org/discover/login](http://www.act.org/discover/login)

(Obtain a User ID from a career advisor)

Encyclopedia of Careers & Voc. Guidance  
IIA E6 v. 1-5

Occupational Outlook Handbook

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

O\*NET

[www.onetcenter.org/](http://www.onetcenter.org/)

SIGI 3

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

(Obtain a User ID from a career advisor)

## SAMPLE WORK SETTINGS

Astronaut Corps

Chemical Companies

Colleges & Universities

Electronic Firms

Engineering Firms

*Federal Agencies:*

US Dept of Agriculture

US Dept of Commerce

US Dept of Defense

US Dept of Energy

US Dept of the Interior

*Federal Government:*

Army, Navy, Coast Guard, Air

Force

Hospitals

Laboratories

Museums

National Aeronautics & Space

Administration

National Oceanic & Atmospheric

Administration

National Transportation Safety

Board

Nonprofit Research Groups

Oilfields

Patent Law Firms

Power Plants

*Private Industry:*

Corporations such as IBM,

Allied,

Carrier & Dow Chemical

Research & Development Firms

School Boards

State & Local Governments

## SAMPLE PROFESSIONAL ORGANIZATIONS

Society of Physics Students

One Physics Ellipse

College Park, MD

[www.aip.org/education/sps/sps.htm](http://www.aip.org/education/sps/sps.htm)

American Assn of Physicists in Medicine

One Physics Ellipse

College Park, MD

[www.aapm.org](http://www.aapm.org)

American Center for Physics

One Physics Ellipse

College Park, MD

[www.acp.org](http://www.acp.org)

ERIC Information Analysis Center for

Science, Math, & Environmental Ed

Columbus, OH

[www.ericse.org](http://www.ericse.org)

Biophysical Society

Bethesda, MD

[www.biophysics.org/](http://www.biophysics.org/)

Joint Institute for Laboratory Astrophysics

University of Colorado

Boulder, CO

[www.jilawww.colorado.edu](http://www.jilawww.colorado.edu)

[www.jilavf@jila.colorado](mailto:www.jilavf@jila.colorado)

American Association of Physics Teachers

One Physics Ellipse

College Park, MD

[www.aapt.org](http://www.aapt.org)

For other related professional organizations, use Gale's Organization through FSU Libraries database at [lib.fsu.edu](http://lib.fsu.edu); select List all Databases; select Gale's Ready Reference shelf; choose Organizations.

## SAMPLE WEB SITES

[www.iop.org/](http://www.iop.org/)

[www.physics.org/](http://www.physics.org/)

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

[www.physicsweb.org/](http://www.physicsweb.org/)

07/07 · The Career Center · *linking futures*

Florida State University · 850-644-6431 · [career.fsu.edu](http://career.fsu.edu)

Available in alternate format upon request.

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