

Physics



An Overview...

Physics is a major branch of the physical sciences and involves the study of matter and energy. It is an attentive, hands-on research based field that focuses on the physical sciences in many different aspects including astronomy and biophysics.

Skills:

Ability to organize/analyze scientific data
Ability to operate computers
Ability to make critical observations

Aptitude for details
Ability to conduct/explain scientific research
Proficiency in problem solving

Some Professional Careers:

Accident Reconstruction
Acoustic Physicist
Aerospace
Applied Research
Astronautics
Astronomer
Astrophysicist
Atomic Physicist
Ballistics Expert
Biophysicist
Computer Programmer
Condensed Matter Physicist
Cryogenics
Educator

Electronics Physicist
Energy-related Research
Environmental Analyst
Environmental Scientist
Geophysicist
Health Physicist
Information Scientist
Laboratory Technician
Materials Scientist
Medical Physicist
Medical Technologist
Nuclear Engineer
Nuclear Physicist
Operations Planning

Optical Physicist
Patent Law
Photogrammetrist
Photo-optics Technician
Physicist
Product Testing
Radiographer
Science Editor
Science Educator
Science Librarian
Semiconductor Physics
Software and Equipment Design
Technical Writer

Hiring Organizations:

Acoustics firms
Atomic/nuclear laboratories
Educational institutions
Electronics firms
Engineering firms
Environmental agencies
Government agencies/Laboratories
Lighting industry
Manufacturing/Processing firms

Meteorology/Atmospheric groups
Military (Civilian and Armed forces)
Nuclear plants
Patent Law firms
Petroleum companies
Professional journals
Research firms
Technical journals
Technical libraries

Professional Organizations:

American Academy of Health Physics
1313 Dolley Madison Blvd., Ste. 402
McLean, VA 22101 USA
(703) 790-1745
(978) 264-0954
www.hps1.org/aahp
email: aahp@burkinc.com

American Association of Physics
Teachers
One Physics Ellipse
College Park, MD 20740-3845
(301) 209-3311
www.aapt.org
email: aapt-exec@aapt.org

American Astronomical Society
2000 Florida Avenue NW, Suite 400
Washington, DC 20009-1231
(202) 328-2010
www.aas.org
email: aas@aas.org

American Crystallographic Association
PO Box 96, Ellicott Station
Buffalo, NY 14205-0096
(716) 898-8690
aca.hwi.buffalo.edu/email:
aca@hwi.buffalo.edu

American Geophysical Union
2000 Florida Avenue, NW
Washington, DC 20009-1277
(202) 462-6900
www.agu.org
email: service@agu.org

American Institute of Physics
One Physics Ellipse
College Park, MD 20740-3843
(301) 209-3100 fax: (301) 209-0843
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email: aipinfo@aip.org

American Physical Society
One Physics Ellipse
College Park, MD 20740-3844
(301) 209-3200 fax: (301) 209-0865
www.aps.org

Optical Society of America
2010 Massachusetts Avenue, NW
Washington, DC 20036-1023
223-8130 fax: (202) 223-1096
www.osa.org
email: info@oso.org

The Materials Research Society
506 Keystone Drive
Warrendale, PA 15086-7573
(724) 779-3003 fax: (724) 779-8313
www.mrs.org
email: info@mrs.org