

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	Electronics Physicist	Optical Physicist
Acoustic Physicist	Energy-related Research	Patent Law
Aerospace	Environmental Analyst	Photogrammetrist
Applied Research	Environmental Scientist	Photo-optics Technician
Astronautics	Geophysicist	Physicist
Astronomer	Health Physicist	Product Testing
Astrophysicist	Information Scientist	Radiographer
Atomic Physicist	Laboratory Technician	Science Editor
Ballistics Expert	Materials Scientist	Science Educator
Biophysicist	Medical Physicist	Science Librarian
Computer Programmer	Medical Technologist	Semiconductor Physics
Condensed Matter Physicist	Nuclear Engineer	Software and Equipment Design
Cryogenics	Nuclear Physicist	Technical Writer
Educator	Operations Planning	

Hiring Organizations:

Acoustics firms	Meteorology/Atmospheric groups
Atomic/nuclear laboratories	Military (Civilian and Armed forces)
Educational institutions	Nuclear plants
Electronics firms	Patent Law firms
Engineering firms	Petroleum companies
Environmental agencies	Professional journals
Government agencies/Laboratories	Research firms
Lighting industry	Technical journals
Manufacturing/Processing firms	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
www.aip.org
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