
PHYSICS

What can I do with this degree?

Physics is the study of matter and energy; this includes everything from elementary particles, to nuclei, atoms, molecules, macromolecules, living cells, solids, liquids, gases, plasmas, living organisms, the human brain, complex systems, supercomputers, the atmosphere, planets, stars, galaxies, and the universe itself. Physicists also study questions facing today's scientific advances.

Physics Skills

Artistic	Observant	Solve Technical Problems
Communication	Self-Disciplined	Mathematic Skills
Innovative Ideas	Written Communication	Leadership Skills
Planning Skills	Skills	Problem-Solving Skills

Degrees and Certifications

Bachelor of Science in Physics	Masters of Science in Physics
Bachelor of Arts in Physics	Doctorate of Science in Physics

CAREER PATHS

...in Architecture

Sample Job Titles

Administrator	Geophysicist
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Possible Job Settings

Self Employed	Forest Research Management
Business Offices	Forest Stewardship Council
On Site Settings	Rainforest Alliance
US Department of Agriculture	Department of Energy

...in the Government

Sample Job Titles

Researchers	Hydrologist
Astronomer and Space Scientist	Patent Examiner
Geodesist	Photographic Technology Specialist
Geophysicist	Physical Scientist
Health Physicist	Physicist

Possible Job Settings

NASA	US Department of Commerce
U.S. Naval Observatory	US Department of Defense
Offices	US Department of Energy
Hospitals	

...in Astronomy

Sample Job Titles

Administrator
Acoustical Scientists

Radio Astronomer
Teacher

Possible Job Settings

Business Offices
On Site Settings
NASA
Astronaut Corps

Laboratories
National Oceanic and Atmospheric
Administration

...in Education

Sample Job Titles

Teacher
Professor

Advisor

Possible Job Settings

Public Schools
Private Schools
Public Universities
Private Universities
Trade Schools

Charter Schools
School Boards
Non- Profit Research Groups
Research and Development Firms

....in Engineering

Sample Job Titles

Energy Resources Engineering
Electrical Engineer
Electronic Engineer

Mechanical Engineer
Aerospace Engineer

Possible Job Settings

On Site Settings
Self Employed
Business Offices
Electronic Firms

Engineering Firms
Museums
Oilfields
Power Plants

RESOURCES

Student organizations

Society of Physics Students
Mexican American Engineers and Scientists

Professional Organizations

American Association of Physics Teachers	http://www.aapt.org/
American Astronomical Society	http://aas.org/
American Institute of Physics	http://www.aip.org/
American Meteorological Society	http://www.ametsoc.org/index.html
American Physical Society	http://www.aps.org/
Institute of Physics	http://www.iop.org/
NASA	http://www.nasa.gov/
The Biophysical Society	http://www.biophysics.org/
The Geophysical Union	http://www.agu.org/

Career Research Links

Sigi 3 http://www.careerservices.txstate.edu/Students/Career_Exploration/sigi3.html
Occupational Outlook Handbook <http://www.bls.gov/OCO/>
O*Net Online <http://online.onetcenter.org/>

Job/Internship Search Links

Find your Physics Internship: <http://www.internships.com/internships-major/Physics?>
Career rookie: <http://www.careerrookie.com/CC/jobseeker/>
Physics Today Jobs: <http://careers.physicstoday.org/jobs/level/internship>

Career Library Resources

Occupational Outlook Handbook
Best Jobs for the 21st Century
EBook: *Recent Advances and Issues in Physics*: Newton, David
EBook: *Careers in Science and Engineering: A Student Planning Guide to Grad School and Beyond*: National Academy of Sciences, Institute of Medicine Staff
EBook: *Careers for Scientific Types & Others with Inquiring Minds*: Goldberg, Jan
EBook: *Careers for Geniuses & Other Gifted Types*: Goldberg, Jan
EBook: *Careers in Science*: Easton, Thomas

Information for this handout compiled from:

Careers in Focus by Carol Yehling

Texas State University: <http://www.txstate.edu/physics/>

Canadian Association of Physics Careers and Jobs:

<https://www.cap.ca/careers/home/whatisphysics.html>

Careers with a Physics Degree: <http://www2.swgc.mun.ca/physics/jobs.html>

How to Get a Job in the Federal Government:

http://www.pueblo.gsa.gov/cic_text/employ/govtjob/major.htm

Purdue University, College of Science: <http://www.physics.purdue.edu/career/>