

## Physics

### Transferable Skills

A liberal arts degree in general, reflects a comprehensive education emphasizing analytical skills, critical thinking and communication skills; abilities in high demand for all employers. Concentrating your studies in a major allows you to also gain specific transferable skills of interest to particular employers and industries.

Graduates with a major in Physics are attractive to employers due to their abilities in the following areas:

- Ability to analyze cause and effects
- Ability to conduct scientific research
- Ability to gather and tabulate data
- Ability to maintain accurate records
- Ability to operate scientific equipment
- Ability to make critical observations and evaluations
- Ability to think logically and critically and make analogies
- Ability to organize, analyze, and interpret scientific data
- Ability to observe and analyze introspectively
- Ability to organize and memorize detailed information
- Ability to organize, conduct and explain research
- Testing ideas and hypotheses
- Ability to concentrate for long periods of time
- Ability to summarize and solve complicated material
- Good vision, spatial and manual dexterity
- Design and complete in-depth projects
- Knowledge of dissection and laboratory techniques
- Presenting and writing proposals and reports
- Proficiency in analytical reasoning
- Strong mathematical background

### Range of Example Positions held by Physics Majors

Please note that some of these positions require an advanced degree. For more information and descriptions of these careers, visit [O\\*NET On-line](#).

- Anthropologist
- Astronomer
- Audiologist
- Auditor
- Biochemist
- Biophysicist
- Brand/Product Manager
- Chemical Engineer
- Civil Engineer
- College Professor
- Computer Programmer
- Editor
- Electrical Engineer
- Entry-Level Manager
- Environmental Engineer
- Financial Analyst
- Geologist
- Geographer
- Geophysicist
- Graphic Artist
- Industrial Health Engineer
- Information Systems Analyst
- Lawyer
- Market Researcher
- Mechanical Engineer
- Meteorologist
- Nuclear Physicist
- Patent Attorney/Examiner
- Petroleum Engineer
- Physical Therapist
- Physicist
- Public Relations Specialist
- Publisher
- Registered Nurse
- Researcher
- Software Designer
- Soil Scientist
- Special Agent/FBI
- Systems Analyst
- Systems Engineer
- Technical Writer
- Urban Planner

- Veterinarian
- Water Quality Analyst
- Zoologist

### **Professional Associations**

Professional associations or organizations can be a great way to meet, learn from and network with professionals in your field of interest. Inexpensive student memberships are often available. These are only a sampling of professional associations. Be sure to search for others that may be applicable or helpful.

- [American Engineering Association](#)
- [American Association of Physics Teachers](#)
- [American Astronomical Society](#)
- [American Institute of Chemical Engineers](#)
- [American Institute of Engineers](#)
- [American Institute of Physics](#)
- [American Meteorological Society](#)
- [Association of Women in Science](#)
- [Biophysical Society](#)
- [Society for Neuroscience](#)
- [Women in Aerospace](#)