



CAREER OPPORTUNITIES FOR PHYSICS MAJORS

SKILLS & ABILITIES OF THE PHYSICS MAJOR

Communication

- Developing and writing research proposals
- Reviewing scientific literature
- Summarizing research findings
- Informing/explaining/instructing
- Preparing technical reports

Computation and Mathematical

- Measuring distance/sizes/relationships
- Performing calculations
- Mathematical modeling
- Maintaining records
- Utilizing mathematical formulas

Technical

- Designing Equipment
- Observing data/things
- Identifying and classifying materials/specimens
- Designing/using computer simulations
- Using instruments

Investigation

- Defining research problems
- Developing a research model
- Establishing a research model
- Gathering/analyzing data
- Seeing relationships among factors

POTENTIAL CAREERS

Government

- Acoustics Physicist
- Aerodynamist
- Air Traffic Controller
- Biophysicist
- Chemical Physicist
- Computer Specialist/Scientist/Programmer
- Health Physicist
- Fiber Optic Engineer
- Geophysicist
- Laser Engineer
- Molecular Physicist
- Nuclear Physicist
- Quality Assurance Specialist
- Research Physicist
- Solid Earth/Solid State Physicist
- Teacher/Professor
- Technical Writer

Private

- Acoustics Physicist
- Agricultural Scientist
- Astronomer
- Astrophysicist
- Fluids Physicist
- Geophysicist
- Health Physicist
- Hydrologist
- Mathematician
- Medical Device Designer
- Optical Physicist
- Plasma Physicist
- Salesperson/Scientific Apparatus
- Seismologist
- Solid Earth/Solid State Physicist
- Stratigrapher
- Technical Writer
- And More...

TYPES OF EMPLOYERS

- Businesses and Corporations
- State and Federal Government
- Self-Employed
- Schools
- Colleges and Universities
- Non-Profit Organizations
- Military

ADDITIONAL RESOURCES

[Xavier University Physics Department](#)

[National Science Foundation](#)

[O*NET Online](#) has detailed descriptions of occupations including salary information.

[American Institute of Physics](#)