



What Can I Do With a Major in... **Physics**

What is Physics?

Physics is the discipline of Science dealing with the properties of matter and energy. Includes; acoustics, atomic physics, cryogenics, electromagnetism, elementary particle physics, fluid dynamics, geophysics, mathematical physics, mechanics, molecular physics, nuclear physics, optics, plasma physics, quantum physics, solid state physics, statistical mechanics, thermodynamics. It is the branch of science concerned with the study of properties and interactions of space, time, matter and energy.

Potential Employers

- ❖ Research Foundations
- ❖ Medical Labs
- ❖ Engineering Companies
- ❖ Educational Institutions
- ❖ Industrial Firms
- ❖ Government Laboratories
- ❖ Development Centers

Possible Job Titles:

- ❖ Seismologist
- ❖ Plasma Physicist
- ❖ Forensic Scientist
- ❖ Quality Control Manager
- ❖ Molecular Physicist
- ❖ Aerospace Engineer
- ❖ Hydrologist

- ❖ Cardiac Imaging Researcher
- ❖ Radiological Laboratory Director
- ❖ High-Tech Designer
- ❖ Automotive Engineer
- ❖ System Analyst

- ❖ Scientific Photographer
- ❖ Computer Systems Engineer
- ❖ Health Physicist
- ❖ Oceanographer
- ❖ Environmental Analyst
- ❖ Occupational Safety Specialist

How This Major Helps You Move Forward:

Skills I've Learned in this Major

- ❖ Define research problems Develop & write research proposals Measure distances/ relationships Design equipment
- ❖ Develop research models Review scientific literature perform calculations Identify/classify materials
- ❖ Establish hypotheses Summarize research findings Mathematical modeling Observe data
- ❖ Gather/analyze data Inform, explain, and instruct Maintain records Establish experimental designs
- ❖ Evaluate ideas Prepare technical reports Utilize math formulas Use instruments
- ❖ See relationships among factors Draw meaningful conclusions

Additional Information can be found at:

www.assist.org

www.salary.com

www.uncw.edu/career/WhatCanIDoWithaMajorIn.html

www.cacareerzone.org

www.howtobecome.com

CSU/UC Related Transfer majors (BA/BS):

- ❖ **CSUN:** Physics BS (Option: Astrophysics)
- ❖ **CSU Dominguez Hills:** Physics BS (Options: Electrical Engineering; General Physics; Physical Science)
- ❖ **UCLA:** Biophysics BS
- ❖ **UC Riverside:** Physics BS (Concentration: Physics Education; Biophysics)
- ❖ ...and more!

Go to www.assist.org to see universities that offer these majors

Graduate Degree Options (MA/MS):

- ❖ **CSULA:** Physics MS
- ❖ **UCLA:** Geophysics and Space Physics MS
- ❖ **UC Irvine:** Chemical and Materials Physics MS

This is **general information**. For specific information on majors and careers please see a counselor in the Career Center – Claudia Ramirez (818) 833-3403; careercenter@lamission.edu