



What can I do with a major in *Physics*?

Overview

- Physics is the most fundamental of all the natural sciences, and its applications extend even to other areas of human endeavor. Physics is the study of the natural world based on quantitative observations and experiments.

- Physics attempts to discover simple rules by which observations of many different situations can be correlated within a common framework of fundamental ideas (physical laws). Physical laws and theories have profound influence on how we view our universe and ourselves. Ernest Rutherford said, "In science, there is only physics; all the rest is stamp collecting." Physics gets to the roots of all physical phenomena. If you can think physics, you can think anything!

Career Titles

▪ Acoustics Physicist	▪ Fire Prevention and Protection Engineer	▪ Photo Optic Technician
▪ Aerodynamist	▪ Fluids Physicist	▪ Photogrammetrist
▪ Aeronautical Engineer	▪ Forensic Scientist	▪ Photonics Engineer
▪ Aerospace Engineer	▪ Genetic Engineer	▪ Physician
▪ Agriculture Scientist	▪ Geodesist	▪ Physicist
▪ Air Craft Developer	▪ Geographical Data Technician	▪ Physics Researcher
▪ Air Traffic Controller	▪ Geologist	▪ Physiognomist
▪ Airplane Pilot	▪ Geophysicist	▪ Plasma Physicist
▪ Applied Physicist	▪ Health Physicist	▪ Power Plant Operators
▪ Architect	▪ Hydrodynamic Physicist	▪ Power Systems Engineer
▪ Argonomist	▪ Hydrogeologist	▪ Process Engineer
▪ Astronaut	▪ Hydrologist	▪ Product Safety Engineer
▪ Astronomer	▪ Imaging Technician	▪ Professor
▪ Astrophysicist	▪ Industrial Hygienist	▪ Quality Assurance Specialist
▪ Athletic Performance Trainer	▪ Information Scientist	▪ Quality Control Manager
▪ Atmospheric and Space Scientist	▪ Instrumental Technician	▪ Radiation Protection Specialist
▪ Atmospheric Physicist	▪ Laboratory Technician	▪ Radiographer
▪ Atomic Physicist	▪ Laser Engineer	▪ Radiological Laboratory Director
▪ Attorney	▪ Lawyer, Technology Specialty	▪ Research Assistant
▪ Automotive Engineer	▪ Librarian	▪ Rheologists
▪ Aviation Inspector	▪ Machinist	▪ Safety Manager
▪ Ballistics Experts	▪ Marine Architect	▪ Satellite Data Analyst
▪ Biomedical Engineer	▪ Materials Physicist	▪ Satellite Engineer
▪ Biophysicist	▪ Materials Scientist	▪ Satellite Missions Analyst
▪ Callistics Experts	▪ Mathematician	▪ Science Teacher
▪ Cardiac Imaging Researcher	▪ Mechanical Engineer	▪ Science Technologist
▪ Chemical Physicist	▪ Medical Devices Designer	▪ Science Writer
▪ Civil Engineer	▪ Medical Illustrator	▪ Scientific Apparatus Salesperson
▪ Climatologist	▪ Medical Lab Technician	▪ Scientific Photographer
▪ Clinical Research Coordinator	▪ Medical Physicist	▪ Seismologist
▪ Computational Physicist	▪ Medical Products Designer	▪ Semi-Conductor Process Engineer
▪ Computer Programmer	▪ Metallurgist	▪ Software Analyst/Consultant
▪ Computer Specialist	▪ Meteorological Technician	▪ Software Engineer
▪ Computer System Engineer	▪ Meteorologist	▪ Solar Energy Engineer
▪ Consultant	▪ Microbiologist	▪ Solid State Physicist

Career Services

Connecting Students and Alumni with the World



▪ Consultant-Management Information Systems	▪ Molecular Physicist	▪ Spectroscopist
▪ Crime and Intelligence Analyst	▪ Nanotechnologist	▪ Stratigrapher
▪ Crime Laboratory Analyst	▪ National Laboratory Research	▪ Stress Analyst
▪ Cryogenics Specialist	▪ Nuclear Engineer	▪ Systems Analyst
▪ Crystallographers	▪ Nuclear Magnetic Resonance	▪ Teacher
▪ Curator	▪ Nuclear Physicist	▪ Technical Consultant
▪ Design Engineer	▪ Nuclear Power Plant Manager	▪ Technical Illustrator
▪ Electronic Engineer	▪ Nuclear Technician	▪ Technical Salesperson
▪ Electro-Optical Engineer	▪ Occupational Safety Specialist	▪ Technical Writer
▪ Elementary Particle Physics	▪ Oceanographer	▪ Test Engineer
▪ Engineer	▪ Optical Physicist	▪ Water Conservation Specialist
▪ Environmental Analyst	▪ Optometrist	▪ Water Reclamation Specialist
▪ Environmental Health Specialist	▪ Particle Accelerator Operations Analyst	▪ Writer
▪ Environmental Scientist	▪ Petroleum Engineers	▪ Zoologist
▪ Fiber Optic Engineer	▪ Pharmacologist	

Employers

▪ Aerospace Industry	▪ Federal Government	▪ Oilfields
▪ Aircraft & Instrument Manufacturers	▪ Fiber Optic Engineer	▪ Patent Law Firms
▪ Airports	▪ Food & Drug Administration	▪ Patent Office
▪ Architectural Firms	▪ Geological Industry	▪ Petroleum Industry
▪ Astronaut Corps	▪ Government Agencies	▪ Pharmaceutical Companies
▪ Atomic/Nuclear Labs	▪ Health Care Facilities	▪ Planetariums
▪ Automobile Manufacturers	▪ Hospitals	▪ Power Plants
▪ Centers for Disease Control & Prevention	▪ Information Technology Companies	▪ Private Industries
▪ Chemical Manufacturers	▪ Laboratories	▪ Production Facilities
▪ Clinical Research	▪ Launch Sites	▪ Professional and Technical Journals
▪ Colleges and Universities	▪ Libraries	▪ Publishing Companies
▪ Commercial Industry	▪ Manufacturing Companies	▪ Quality Assurance
▪ Computer Companies	▪ Marine Industry	▪ Recycling Plants
▪ Consulting Firms	▪ Medical Schools	▪ Research and Development Departments
▪ Crime Laboratories	▪ Microelectronics Companies	▪ Research Centers
▪ Department of Agriculture	▪ Military	▪ Science Museums
▪ Department of Commerce	▪ Mining and Petroleum Companies	▪ Smithsonian Institution
▪ Department of Defense	▪ Museums	▪ Space Industry
▪ Department of Energy	▪ National Aeronautics & Space Administration	▪ Space Research (NASA)
▪ Department of Health & Human Services	▪ National Bureau of Standards	▪ State and Local Governments
▪ Department of the Air Force	▪ National Institutes of Health	▪ Steel/Metals Industry
▪ Department of the Interior NASA	▪ National Oceanic and Atmospheric Administration	▪ Technical Consulting Firms
▪ Department of Transportation	▪ National Science Foundation	▪ Testing Labs
▪ Educational Institutions	▪ National Transportation Safety Board	▪ TV/Radio Stations

Career Services

Connecting Students and Alumni with the World



- Electrical Equipment Companies
- Engineering Firms
- Environmental Protection Agency
- Federal Agencies
- Naval Research Lab
- Nonprofit Foundations
- Observatories
- Occupational Safety & Health Administration
- Utilities Companies
- Waste Management Firms
- Weather Bureaus

Skills

- Ability to apply data
- Aptitude for accurate details
- Computer skills/proficiency
- Cooperative learning
- Create hypotheses
- Creative thinking
- Critiquing and anticipating problems
- Decision-making and diagnosing
- Define research problems
- Design equipment
- Develop and write research proposals
- Develop research models
- Draw meaningful conclusions
- Establish experimental designs
- Evaluate ideas
- Gather/analyze data
- Identify/classify materials
- Investigative skills
- Maintain accurate records
- Mathematical modeling
- Oral and written communication skills
- Organize, analyze and interpret scientific data
- Perform calculations
- Prepare technical reports
- Problem-solving
- Review scientific literature
- See relationships among factors
- Summarize research findings
- Use instruments

Salary

NACE (National Association of Colleges and Employers) Summer 2008 Salary Survey Average Offers:

- **Physics Bachelor's Degree: \$47,496**

The job titles and employers listed below are a sample of the results from the annual St. Norbert College Career Services graduate follow-up survey for the Classes of 2003-2007.

Graduate Information: Job Titles

- Teacher

Graduate Information: Employers

- Green Bay West High School

Career Library Resources

- Careers for Scientific Types & Others with Inquiring Minds
- Careers in Biotech & Pharmaceuticals
- Success Strategies for Women in Science: A Portable Mentor
- The Eco Guide to Careers that Make a Difference- Environmental Work for a Sustainable World

For the most current information about Majoring in Physics from Career Services, including links regarding Alumni Profiles, Career Information, Professional Associations, and Jobs and Internships, please visit:

<http://www.snc.edu/career/students/majors/physics.html>