What can I do with a major in...

**BIOPHYSICS**

Study the chemical composition or physical principles of living cells and organisms, their electrical and mechanical energy, and related phenomena. May conduct research to further understanding of the complex chemical combinations and reactions involved in metabolism, reproduction, growth, and heredity. May determine the effects of foods, drugs, serums, hormones, and other substances on tissues and vital processes of living organisms.

**INDUSTRIES:**
Pharmaceutical and Medicine Manufacturing, Merchant Wholesalers, Non durable Goods, Medical and Diagnostic Laboratories, Researchers for government agencies, private research institutes, faculty/staff at college/universities, medical equipment and supplies manufacturing

**Projected Job Openings (2016 - 2026) : (10% to 14%)**

**Salary**
- Entry Level: $45,000
- Median Level: $91,190

**Common Job Titles**
- Analytical Research Chemist Chief
- Scientific Officer
- Director of the Biophysics Facility
- Laboratory Director
- Professor of Physics/Researcher in Biophysics
- Research Assistant
- Research Associate
- Research Scientist
- Scientist

**Knowledge**
- Chemistry
- Biology
- Physics
- Mathematics

**Skills**
- System and Operations Analysis
- Social Perceptiveness
- Complex Problem Solving
- Judgement and decision making
- Detail-oriented personality
- Learning Strategies
- Systems Evaluations
- Quality Control Analysis
- Analyzing Data
- Processing Information

**Tools**
- Analytical or Scientific Software
- Computer Aided Design Software
- Data Mining Software
- Internet browser software
- Spreadsheet software
Popular Employers
Colleges/Universities
Government Agencies
Private Research Laboratories

Related Occupations
Biochemical Engineer
Biologist
Microbiologist
Molecular and Cellular biologist
Geneticist

Advice from professionals is great
Read publications such as Biophysical Journal to learn more about the field. Attend industry conventions to network and to interview for jobs. Join professional association to access training and networking resources, industry publications, and employment opportunities.

Professional Associations
International Federation of Professional and Technical Engineers
Biophysical Society
American Association for Clinical Chemistry
American Chemical Society
American Institute of Biological Sciences American Society for Biochemistry and Molecular Biology
Biotechnology Industry Organization Biotechnology Institute

Want more information? Go online to ONET /Occupational Outlook Handbook/U.S. News