

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