

Biological Sciences: Human Biology BPhil or BSGS

Overview

Students electing a major in biology may choose to study organisms on a cellular and molecular level, the genetics and development of organisms, the function processes of living things or the interrelationships of organisms within their environment. The study of biology provides a valuable background for those interested in science but uncertain of their choice of concentration. Not only are graduates aware of the processes and interactions of living things, but they acquire skills in scientific thinking and insight into the complex biological world.

Job Outlook

Opportunities for those with a bachelor's or master's degree in biological science are expected to be better. The number of science-related jobs in sales, marketing, and research management for which non-Ph.D.s usually qualify is expected to exceed the number of independent research positions. Non-Ph.D.s also may fill positions as science or engineering technicians or as medical health technologists and technicians. Some may become high school biology teachers.

See <http://www.bls.gov/oco/ocos047.htm> for more information.

Compensation

See <http://www.bls.gov/oco/ocos047.htm> for more information.

Career Options/Tracks

Employment opportunities for graduates encompass a wide range of fields. Some biology majors continue in graduate or professional education. Others choose high school teaching or work as technicians and researchers in industry, hospitals or academic institutions. Some find positions in pharmaceutical sales, science libraries, fish and wildlife services, environmental protection and conservation agencies, meat and dairy inspection, and forestry services.

Advanced Education Options

The bachelor's degree is often adequate preparation for entry jobs in testing, inspection and technical sales, but promotions are limited for those without advanced degrees.

Sample Job Titles

- *clinical data processor
- *research biologist
- *pharmaceutical sales rep.
- *microbiologist
- *environmental educator
- *geneticist
- *veterinarian

- *research technician
- *public health administrator
- *asst./assoc. scientist
- *bioanalyst
- *physician

Some Employers of Biology Majors

- *biological book/journal publishers
- *state/federal government
- *colleges/universities
- *consulting engineering firms
- *agricultural chemical companies

- *medical corporations
- *biological testing laboratories
- *business and industry
- *pharmaceutical companies

Other Sources of Information

American Academy of Forensic Sciences

<http://www.aafs.org/>

American Association for the Advancement of Science

<http://www.aaas.org>

American Institute of Biological Sciences

<http://www.aibs.org>

American Society for Microbiology

<http://www.asm.org%09%09>

Bio Online Career Center

<http://www.bio.com/>

Biotechnology Industry Organization

<http://www.bio.org/>

BioView.com

<http://www.BioView.com>

Federation of American Societies for Experimental Biology

<http://ns2.faseb.org/careerweb/>

HireBio.com

<http://www.hireBio.com>

HireHealth.com

<http://www.hirehealth.com>

HireMedical.com

<http://www.hireMedical.com>

HireRx.com

<http://www.hireRx.com>

Science Careers

<http://sciencecareers.sciencemag.org>

SciJobs.org

<http://scijobs.org>

The Riley Guide

<http://www.rileyguide.com>