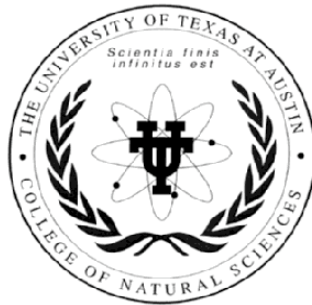


Career Options for *BIOLOGY* Majors



**Career Services
College of Natural Sciences**

**WC Hogg 2.308
512-471-6700**

**e-mail: nscareer@uts.cc.utexas.edu
Web site: <http://careers.ns.utexas.edu>**

Biology

Description

Biology is the science of living systems. It examines the nature, structure, function, and behavior of living organisms and their relationship to the environment. Biology is inherently interdisciplinary, requiring knowledge of a variety of physical sciences and mathematics.

Plan of Study/Course Work

The plan of study involves extensive work in laboratory biology, chemistry, and physics, as well as mathematics through advanced calculus. In addition, supplemental work may be included in subjects such as microbiology, cell biology, and plant biology, depending on the area of specialization.

For more information, consult your Undergraduate Course Catalog or contact the Life Sciences Advising Center at 471-4920.

General Interest Areas

Science
Mathematics
Research
Medicine
Health-related careers

Skills and Abilities Associated with the Field of Study

Aptitude of accurate details
Ability to organize and conduct research
Ability to interpret technical/scientific data
Ability to analyze and solve problems
Knowledge of laboratory instrumentation

Professional Organizations Involved in this Field

American Institute of Biological Sciences
1444 I St., NW, Ste. 200
Washington, DC 20005
<http://www.aibs.org>

American Society for Cell Biology
8120 Woodmont Ave, Ste 750
Bethesda, Maryland 20814-2755
<http://www.ascb.org>

American Association of Anatomists
9650 Rockville Pike
Bethesda, MD 20814-3998
<http://www.anatomy.org/anatomy>

Society for Conservation Biology
University of Washington
Box# 351800
Seattle, WA 98195-1800 USA
<http://conbio.net/SCB/>

Career Options to Consider

Biology provides a foundation for a variety of careers. While studying biology is appropriate preparation for the study of medicine or other health-related professions, students should consider other careers as well.

Some scientists conduct basic research to increase the knowledge of living organisms, while those in applied research use this knowledge to develop new medicines, increase crop yields and improve the environment. Many biology graduates also work in management or administration, planning programs for food and drug testing or managing a botanical garden. Others work as consultants to business firms, sell chemicals or laboratory instruments, or write for technical publications.

A bachelor's degree is sufficient for advanced technician jobs in the medical field, lab/research assistant positions, or testing and inspection jobs. An advanced degree, however, is required for most other positions in the scientific field.

The following is a list of related occupations that you may wish to further investigate. Keep in mind that this list is by no means exhaustive.

Agronomist	Environmental Impact Analyst	Medical Record Technician	Plant Geneticist
Biochemist	Fisheries Biologist	Medical Social Worker	Professor/Adj. Faculty
Biologist	Flavor Chemist	Medical Technician	Public Health Assistant
Biophysicist	Food & Drug Inspector	Microbiologist	Quarantine Specialist
Biostatistician	Forester	Mycologist	Quality Control Specialist
Biotechnologist	Genetic Counselor	Natural Resources Manager	Research Assistant
Botanist	Geneticist	Naturalist	School Teacher
Consultant	Horticulturist	Parasitologist	Scientific Librarian
Crop Physiologist	Hospital Administrator	Park Ranger	Scientific Reporter
Cytotechnologist	Industrial Hygienist	Patent Specialist	Technical Writer
Dentist	Laboratory Technician/Scientist	Pathologist	Toxicologist
Development Asst.	Lawyer	Pest Control Inspector	Transfer Agent (Funds)
Ecologist	Lobbyist	Pharmaceutical Sales Rep.	Veterinarian
Education Specialist	Marine Biologist	Pharmacologist	Wildlife Biologist
Embryologist	Medical Equipment Sales Rep.	Physician	Zoo Assistant
Entomologist	Medical Illustrator	Physician Assistant	Zoologist

While most biology graduates work in a related occupation and eventually obtain an advanced degree, others choose another direction. Many careers do not require a specific major but rather a wide range of demonstrated skills and accomplishments. Regardless of your career choices, increase your marketability to employers through internships, responsible work experience, good grades, and involvement in college activities.

Types of Employers

A biology degree can prepare students for a wide range of careers in industry, government, the non-profit sector, and education. The following lists are some of the types of employers that students graduating with degrees in biology should consider.

Private & Non-Profit Organizations

Biotechnology Firms	Food Manufacturers	Research Foundations
Chemical Manufacturers	Health Care Producers	Scientific Journals
Education Institutions	Hospitals/Clinics	Soap/Cosmetic Co.
Environmental Advocacy Groups	Insurance Industry	Testing Laboratories
Environmental Consulting Firms	Pharmaceutical Industry	Tobacco Industry
Environmental Education Centers	Public Utilities	Travel/Tourism
Fisheries	Recycling Centers	Waste Management Co.

Government Agencies (Federal, State, County, Municipal)

Air Pollution Control	Food & Drug Administration	Soil Conservation Service
Bureau of Land Management	Land Use Planning Commission State	Dept. of Health
Center for Disease Control	National Institutes of Health	U.S. Forest Service
Dept. of Agriculture	National Park Service	U.S. Fish & Wildlife Service
Dept. of Environmental Protection	OSHA	Water Resource Council
Environmental Protection Agency	Peace Corps/VISTA	

Web Sites to Explore

General Biology Related Websites

Science's Next Wave

<http://www.nextwave.org>

Science Careers from Science Magazine

<http://recruit.sciencemag.org>

Science Careers Info

<http://mindquest.net/biology/careers/index.html>

Biology Careers Page

<http://www.furman.edu/~snyder/careers/careers.html>

Scientist's Employment Network

<http://www.scijobs.org>

Science Jobs in Bioscience & Chemistry

<http://www.sciencejobs.com>

Employment Search Engine for Science

<http://www.elabrat.com>

The Lab Rat

<http://www.thelabrat.com>

Bioview

<http://www.bioview.com>

Careers in Marine Biology

<http://www-marine.stanford.edu/HMSweb/careers.html>

Oceanography Careers

<http://www-ocean.tamu.edu/Careers>

Careers in Marine Science

<http://oceanlink.island.net>

Biostatistician Jobs

<http://www.biostatisticianjobs.com>

Medical Research Jobs

<http://www.medicalresearchjobs.com>

Scientist Jobs

<http://www.scientistjobs.com>

Association Career Related Sites

The National Academies

<http://www.nas.edu>

American Institute of Biological Sciences Classifieds

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

American Association of Anatomists Classifieds

<http://www.anatomy.org/anatomy/nemploy.htm>

Association for Women in Science

<http://www.awis.org/resource.html>

Federation of American Societies for Experimental Biology

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

Cosmetic, Toiletry, & Fragrance Assoc. Jobs

<http://www.ctfa-cosmeticjobs.org>

National Society of Genetic Counselors

<http://www.nsgc.org/careerinformation.asp>

Ecology & Conservation Websites

Guide to Outdoor and Environmental Careers

<http://www.princeton.edu/~oa/careeroe.html>

EnviroLink - "The largest online environmental information resource on the planet."

<http://envirolink.netforchange.com>

E-jobs (Environmental Jobs)

<http://www.ejobs.org>

Environmental Education Resources

<http://www.nceet.snre.umich.edu>

Student Conservation Association

<http://www.sca-inc.org>

Environmental Careers World

<http://www.environmental-jobs.com>

Environmental Careers Organizations

<http://www.eco.org>

Conservation International (International Jobs and Internship Listings)

<http://www.conservation.org/web/how2help/job.htm>

The Nature Conservancy

<http://www.nature.org>

Environetwork

<http://www.vironetwork.com>

Earthworks

<http://ourworld.compuserve.com/homepages/eworks>

Biotech/Pharmaceutical Related Websites

BioJobs: Careers in Biotechnology

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

Sciweb Biotech Career Center

<http://www.biocareer.com>

Careers in Biotech

<http://www.accessexcellence.org/AB/CC/index.html>

Biotech Employment

<http://www.biotechemployment.com>

Biotech Info Directory

<http://www.cato.com/biotech>

BioFind

<http://www.biofind.com/jobs>

Medical Sales Jobs

<http://www.medicalsalesjobs.com>

Pharmaceutical Jobs

<http://www.pharmaceuticaljobs.com>

Pharmaceutical Sales Jobs

<http://www.pharmaceutical-sales.com>

Jobsite in the Pharmaceutical Industry

<http://www.jumpingpills.com>

Pharmaceutical Online: Employment Opportunities

<http://www.pharmaceuticalonline.com/employment.html>

Hirehealth: Pharmaceutical, Biotech, Medical & Healthcare Jobs

<http://www.hirehealth.com>

Bio Online Career Center

<http://www.bio.com>

Biospace: Biotech & Pharmaceutical Jobs & News

<http://www.biospace.com>