

# Biology



## An Overview...

Biology is the science of living matter. It involves the study of the structure, evolutionary development, and functions of plants, animals, and microorganisms, especially the ways in which they relate to our environment

## Skills:

Ability to memorize	Knowledge of scientific equipment
Ability to operate scientific equipment	Maintaining records
Analyzing/dissecting	Organizing/classifying details
Designing projects	Presenting proposals/reports
Developing/generating ideas	Problem solving
Diagnosing	Prolonged concentration
Gathering data & drawing conclusions	Reviewing/evaluating
Experimenting with ideas/procedures	Summarizing & tabulating data
Good vision/manual dexterity	Testing ideas/hypothesis
Inspecting/examining	Writing reports & grant proposals

## Some Professional Careers:

Agricultural Biologist	Fishery Biologist	Oceanographer
Agronomy	Forensic Pathologist	Osteopath
Anatomist	Forester	Paramedical Assistant
Animal Ecologist	Freelance Columnist	Pharmacist
Aquatic Biologist	Game Biologist	Physical Therapist
Bacteriologist	Health Educator	Physician
Biochemist	Health Physicist	Phytopathologist
Biology Teacher	Horticulturist	Psychologist
Botanist	Industrial Hygienist	Public Health Director
Bryologist	Laboratory Assistant	Public Health Environmentalist
Chemical Sales	Land Use Planner	Quality Control
Child Health Associate	Marine Biologist	Radiation Therapy Technologist
Chiropractor	Medical Illustrator	Researcher
Consumer Product Researcher	Medical Librarian	Science Editor
Coroner	Medical Technologist	Seed Technology
Dentist	Microbiologist	Taxonomist
Dietitian	Mortician	Technical Sales
Drug Inspector	Mycologist	Technical Writer
Emergency Medical Technician	Nurse	Veterinarian
Entomologist	Nutritionist	Zoologist

## Hiring Organizations:

Aquariums  
Arboretums  
Chemical industries  
Colleges/schools  
Cosmetic companies  
Government agencies  
Hospitals  
Laboratories  
Medical supply companies  
Mining companies

National and state parks  
Nurseries  
Petroleum manufacturers  
Pharmaceutical companies  
Research firms  
Technical journals  
Technical/medical libraries  
Textile/leather manufacturers  
Utility companies  
Zoos

## Professional Organizations:

American Dental Association  
211 East Chicago Avenue  
Chicago, IL 60611  
(312) 440-2500 fax: (312) 440-2800 (202)  
[www.ada.org](http://www.ada.org)  
email: [publicinfo@ada.org](mailto:publicinfo@ada.org)

American Institute of Biological Sciences  
1444 I Street NW, Suite 200  
Washington, DC 20005  
(202) 628-1500 fax: (202) 628-1509  
[www.aibs.org](http://www.aibs.org)  
email: [info@aibs.org](mailto:info@aibs.org)

American Medical Association  
Headquarters  
515 North State Street  
Chicago, IL 60610  
(312) 464-5000  
[www.ama-assn.org/](http://www.ama-assn.org/)

American Osteopathic Association  
142 East Ontario Street  
Chicago, IL 60611  
(800) 621-1773 fax: (312) 202-8200  
<http://www.osteopathic.org/>  
email: [info@aoa-net.org](mailto:info@aoa-net.org)

Biotechnology Industry Organization  
1201 Maryland Avenue, SW Suite 900  
Washington, DC 20024  
202.962.9200  
[www.bio.org/](http://www.bio.org/)  
email: [info@bio.org](mailto:info@bio.org)

Botanical Society of America  
1735 Neil Avenue  
Columbus, OH 43210  
(614) 292-3519 fax: (614) 247-6444  
[www.botany.org/](http://www.botany.org/)  
email: [bsa-manager@botany.org](mailto:bsa-manager@botany.org)

National Association of Biology Teachers  
12030 Sunrise Valley Drive, Suite 110  
Reston, VA 20191  
(703) 264-9696 fax: (703)- 264-7778  
(800) 406-0775  
[www.nabt.org](http://www.nabt.org)  
email: [office@nabt.org](mailto:office@nabt.org)