

# What can you do with a major in ***BIOLOGY?***

## Nature of Work

**Biology** is the study of all aspects of living organisms and the relationship of animals, plants, insects, and microbes to their environment. Specializations include ornithology (the study of birds), microbiology (the study of microscopic organisms), genetics (the study of heredity), biomedical engineering (designing and building medical diagnostic and treatment instruments), mycology (the study of fungi), or some other area. All have in common the study of life. Many Biologists are involved in research and development. Some conduct basic research to increase knowledge of living organisms. Others in applied research use this knowledge to develop new medicines, increase crop yields, improve the environment, and various other activities.

## Personal Qualities

Helpful qualities for individuals interested in the field of **Biology** include:

- a concern for living organisms
- imagination and curiosity
- an ability to work well with details
- patience and alertness
- an ability to communicate well in speech and in writing
- good judgment, precision and orderliness
- an ability to work independently and as part of a team
- an ability to use laboratory equipment

## Work Settings

Students who majored in **Biology** work in various settings including the following:

*educational institutions, government agencies, research laboratories, pharmaceutical organizations, agricultural industries, hospitals/medical settings, cosmetic manufacturers*

## Related Occupations

*Biologist, Ecologist, Pharmacologist, Wildlife Management, Zoologist, Horticulturist, Forester, Plant Taxonomist, Geneticist, Nutritionist*

## Career Services Resources

- *Earthwork*
- *Great Jobs for Biology Majors*
- *Careers in Science*
- *Alternative Careers in Science*
- *The New Complete Guide to Environmental Careers*
- *Biotechnology Careers*
- *Biotechnology Industry Guide*
- *Environmental Careers in the 21st Century*

## For More Information Contact

**American Society for Microbiology**  
1752 North Street NW  
Washington, DC 20036  
(202) 737-3600  
www.asn.org

**Federation of American Societies for  
Experimental Biology (FASEB)**  
9650 Rockville Pike  
Bethesda, MD 20814  
(301) 634-7000  
www.faseb.org

**American Institute of Biological Sciences**  
1444 1 St. NW, Suite 200  
Washington, DC 20005  
(202) 628-1500  
www.aibs.org

# A Sample of Ithaca College Biology Graduates

One method of exploring careers is to examine the occupations of alumni who majored in a discipline in which you are interested. Below is a representative sample of occupations held by Ithaca College alumni who majored in Biology.

Lab Manager, Agaise Lab	Yale School of Medicine	Killingworth, CT
Cardiology Technician	Lawrence & Memorial Hospital	East Lyme, CT
Clinical Project Coordinator	Biomarin Pharmaceutical, Inc.	San Rafael, CA
Field Biologist Technician	The Peregrine Fund	Marble Canyon, AZ
Embryologist	IVFNIJ	North Brookfield, MA
Account Manager	Direct Supply	Wauwatosa, WI
Research & Animal Caretaker	Jungle Friends Primate Sanctuary	Wauchula, FL
Cancer Senior Research Associate	Dana Farber Cancer Institute	New York, NY
Analytical Chemist	Stiefel Research Institute	Middleburgh, NY
Orthopedic Technician	Strong Memorial Hospital	Rochester, NY
Validation Engineer	Wyeth BioPharma	Andover, MA
Immunobiological Services Associate	Maine Biotechnology Services	Portland, ME
Contracts Administrator	Simon & Schuster, Inc.	New York, NY
Engineer	Biopure Corporation	Cambridge, MA
Science Teacher	High School of the Fashion Industries	New York, NY
Research Technician	National Institute of Health	Bethesda, MD
Teaching Assistant (Graduate Student)	Bowling Green State University	Bowling Green, OH
Technician/Researcher	Dr. Rod Rathstein, P.I.	New York, NY
Community Health Worker	United States Peace Corps	Central Africa
Cellular Electrophysicist	Merck & Co., Inc (Pharmaceutical Firm)	Rahway, NJ
Assistant Chief Data Manager	Frontier Science Technology	Amherst, NY
Zoo Keeper	Burnet Park Zoo	Syracuse, NY
Research Assistant	Veteran's Administration Medical Center	Minneapolis, MN
Assistant Professor of Chemistry	Humboldt State University	Arcata, CA
Environmental Scientist	PMK Group (Environmental/Ecology co.)	Kenilworth, NJ
Podiatrist	Orangetown Podiatry	Tappan, NY
Insurance Agent	Allstate Insurance Company	Brewerton, NY
Dentist	Fairport Pediatric Dental Group	Fairport, NY
Flight Surgeon	United States Air Force	Utah
Microbiologist	Georgetown University, Pathology Dept.	Washington, DC
Director of Outpatient Physical Therapy	Community General Hospital	Syracuse, NY
Medical Technician	Ohio State University Hospital	Columbus, OH
Research Specialist	Children's Hospital of Los Angeles	Los Angeles, CA
Interventional Cardiologist	Deborah Heart & Lung Center	Browns Mills, NJ
Certified Prosthetist	Binghamton Limb & Brace	Johnson City, NY
Optician	Ithaca Cayuga Optical	Ithaca, NY
Surgeon Podiatrist	Self-employed	Ramsey, NJ
Chiropractor	Self-employed	Long Beach, NY
Physician	Doctors Carter & Cleary	Pawtucket, RI
Attorney	Rosenman & Colin	New York, NY
Computer Programmer	Massachusetts General Hospital	Boston, NY
Medical Sales Representative	Criticare Systems, Inc.	Milwaukee, WI
Director of Tissue Culture	Advanced Bioscience Laboratories	Kensington, MD