



What Can I Do with a Major in...

Biology

Possible Career Options

(some career areas require advanced education)

Agricultural Scientist
Agronomist
Anesthesiologist
Animal Research Technician
Aquarium Technician
Bacteriologist
Biochemist
Bioengineer
Biotechnologist
Botanist/Zoologist
Chemist
Dentist
Ecologist
Embryologist
Entomologist
Environmental Engineer
Environmental Health Specialist
EPA Inspector
Epidemiologist
Ergonomist
Forensic Serologist
Forest Supervisor
Genetic Engineer
Horticulture Scientist
Marine Biologist
Marine Mammal Trainer
Medical Illustrator
Medical Researcher
Medical Technologist
Microbiologist
Molecular Biologist
Oceanographer
Pharmacist
Pharmacologist
Physical Therapist
Physician
Physiologist
Psychiatrist
Radiologic Technologist
Radiologist
Soil Conservationist
Toxicologist
Veterinarian
Wildlife Biologist

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Career Development Center)

Leadership/Management Skills

- Applying data
- Analyzing
- Identifying the critical issues and making decisions quickly and accurately
- Analyzing the behavior of self and others in a group
- Operating scientific equipment
- Possessing proficiency for accurate details
- Organizing and maintaining accurate records

Communication/Writing Skills

- Writing factual material clearly and concisely
- Writing effectively describing objects or events with a minimum of factual errors
- Listening objectively
- Summarizing
- Oral and poster presentations

Research and Analytical Skills

- Sorting data and objects
- Organizing and classifying
- Evaluating information against appropriate standards
- Perceiving and defining cause and effect relationships
- Applying appropriate methods to test the validity of data
- Troubleshooting sources of error in consistency

Artistic/Creative Skills

- Aware of the value of symbolism
- Designing and or using audio-visual aids
- Designing methods to solve problems

Additional Skills

- Using computers
- Doing detailed and accurate work
- Measurement instrumentation
- Working on groups; task sharing

Print and Web Resources

OCS Books

Alternative Careers in Science

Careers for Animal Lovers and Other Zoological Types

Careers In Science

Guide to Non-traditional Careers In Science

Opportunities in Biological Science Careers

Put Your Science to Work: The Take-Charge Career Guide for Scientists

To Boldly Go: A Practical Guide for Scientist

Online Career Resources

Career Information

www.careercornerstone.org/biology/biology.htm

Occupational Outlook Handbook

www.bls.gov/oco/ocos047.htm (Biological Scientist)

www.bls.gov/oco/ocos046.htm (Ag. Scientist)

www.bls.gov/oco/ocos048.htm (Conservation Scientist)

www.bls.gov/oco/ocos076.htm (Veterinarian)

www.bls.gov/oco/ocos168.htm (Animal Care)

Internship Electronic Resources

After College

www.aftercollege.com

Idealist and Action Without Borders

www.idealists.org

Local Internships

www.hope.edu/knowhope/internships/index.cgi

Employment Opportunity Electronic Resources

Agriculture Information

www.agricultureb2b.com

Biology Jobs

www.biologyjobs.com

Science Careers

www.sciencecareers.org

Science Jobs

www.sciencejobs.com

More resource links are available at the Office of Career Services website:

www.hope.edu/student/career

Professional Associations

American Association of Cancer Research

www.aacr.org

American Association of the Advancement of Science

www.aaas.org

American Institute of Biological Sciences

www.aibs.org

American Medical Association

www.ama-assn.org

American Society for Cell Biology

www.ascb.org

American Society for Microbiology

www.asm.org

American Society of Animal Science

www.asas.org

American Society of Plant Biologists

www.aspb.org

Botanical Society of America

www.botany.org

Ecology Society of America

www.esa.org

Genetics Society of America

www.genetics-gsa.org

National Institute of Health

www.nih.gov

National Science Foundation

www.nsf.gov

Society for Ecological Restoration International

www.ser.org

Society for Neuroscience

www.sfn.org

Society of Integrative and Comparative Biology

www.sicb.org

Society of Toxicology

www.toxicology.org

Hope Graduates in the Biology World

Animal Behavior Specialist.....	Discovery Cove
Biologist	U.S. Department of Agriculture
Chairman/CEO	IdeaSphere Inc.
Director of Biological Sciences.....	Pfizer Inc.
Director of Operations	Ferro Pfanstiehl Labs
Director of Regulatory Affairs.....	GlaxoSmithKline
Doctor of Internal Medicine.....	Mayo Clinic
Ecologist	University of Wisconsin
Environmental Educator.....	Shedd Aquarium
Health Care Administrator.....	Ohio State University Medical Center
Health Care Administrator.....	New York State
Health Lobbyist	American Academy of Ophthalmology
Industrial Hygienist	Pfizer
Laboratory Manager.....	Oakland University
Medical Illustrator.....	Cooper Hospital
Microbiologist	NSF International—Ann Arbor
Microbiologist	Merck
Oceanographer.....	AUTECH
Optometrist.....	Veld Vision Center
Orthopedic Surgeon.....	University of Virginia
Patent Agent.....	Dow Chemical
Pharmaceutical Sourcing Manager.....	Perrigo Company
Pharmacist	Rite Aid
Physician Assistant	Duke University Medical Center
President and CEO	Blue Cross/Blue Shield of Massachusetts
Principal Biostatistician.....	Bristol-Myers/Squibb
Production Supervisor	Stryker Instruments
Registered Dietician	Lapeer County Health Department
Research Technician.....	Kellogg Biological Station
Scientist (Research).....	The Boeing Company
Senior Research Scientist.....	Wyeth Ayerst Pharmaceuticals
Statistician	Brookfield Zoo
Statistician	Abbott Laboratories
Team Coordinator, Radio Biology Research.....	Federal Aviation Administration
Toxicologist.....	Eastman Kodak Company
Toxicologist.....	U.S. Environmental Protection Agency
Veterinarian in Public Health.....	Centers for Disease Control & Prevention
Vice President of Medical Affairs	ADVANTAGE Health Care Plan
Wildlife Biologist	State of Michigan
Wildlife Photographer.....	National Geographic
Zookeeper.....	Montana