



# What can I do with a major in **BIOLOGICAL SCIENCE?**

## The University of Georgia Career Center

(Biology, Biochemistry & Molecular Biology, Botany/Plant Bio, Cellular Biology, Microbiology, Ecology, Genetics, Entomology, Honors Interdisciplinary Studies, Marine Science, Pre-Health)

Clark Howell Hall  
UGA Biological Science

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www.career.uga.edu  
www.biosci.uga.edu

*The information below describes typical occupations and employers associated with this major.*

*Understand that some of the options listed below may require additional training.*

*Moreover, you are not limited to these options alone when choosing a possible career path.*

### **Description of Biological Science**

Biology encompasses the study of all living organisms, including microbes, plants, and animals. The study of biology includes various aspects of life, including basic organization (molecular, cellular, tissues, organs), how organisms function, their roles in the natural environment, how hereditary information is transferred, and development of biotechnology. Biology graduates are broadly trained and well prepared for admission into strong graduate programs in the biological sciences and professional schools (Med., Dent., PA, Nursing, PT, Vet., etc.). They may assume positions in any of the 4 sectors: govt., edu., industry, or Non-profit. UGA is well known for encouraging student research throughout college. Many of these students attend conferences to present and meet renowned researchers from the world over. Studies Abroad provides opportunities across the globe and the National Students Exchange offers the chance to study for a semester at colleges throughout the US for the same cost as UGA.

### **Possible Job Titles of Biological Science Graduates**

**(Jobs secured as reported by UGA Career Center post-graduate survey)**

Analytical Chemist	Health Program Administrator	Nuclear Medicine Specialist
Bacteriologist	Hemotherapist	Nurse Anesthetist Optometrist or
Biochemist	Histologist	Ophthalmologist
Clinical Pathologist	Infectious Disease Specialist	Parasitologist
Clinical Research Coordinator	Lab Tech Assistant	Pharmaceutical Sales Rep.
Conservation/Environmental Scientist	Laboratory Supervisor	Phlebotomist
Crime Lab Analyst	Medical Equipment Sales Rep.	Physician Asst.
Cytotechnologist	Medical Investigator	Public Health Specialist
Field Study Coordinator	Medical or Science Librarian	Research Immunologist
Forensic Scientist	Medical or Science Writer	Surgeon - Surgical Nurse
Food and Drug Inspector	Microbiologist	Toxicologist

**To research careers of interest, you may want to visit these web sites:**

O\*NET <http://online.onetcenter.org> (Click on Find Occupations)

Georgia Career Information Center <http://www.gcic.peachnet.edu> (Accessible only on campus computers)

Occupational Outlook Handbook <http://www.bls.gov/oco> (Type in general term for career of interest)

Alberta Occupational Profiles [www.alis.gov.ab.ca/occinfo/frameset.asp](http://www.alis.gov.ab.ca/occinfo/frameset.asp) (Click on Occupational Title Search)\***Please visit the Career Center Library or your Career Consultant for more information or assistance.**

### **Possible Employers Who Might Hire Biological Science Graduates**

**(Jobs secured as reported by UGA Career Center post-graduate survey)**

Animal Hospitals	Emory University Hospital	Merck
BioLab	EPA	Merieux Laboratories Inc.
Biotechnology firms	Food and Drug Administration	National Institute of Health
CDC	GA Bureau of Investigation	Neural Signals, Inc.
Center of Limnology	GA State Department of Health	New England Medical Center
Clinics/Hospitals	Hematology/Oncology of NE GA	Ocean Aquariums
Cryolife	Joseph W Jones Ecological	ORISE/CDC
Danakllon American Inc.	Katholieke Universiteit Leuven	Pharmaceutical companies
Dept of Natural Resources	Medical Laboratories	Veterinary Specialists
Diagnostic testing companies	Meditech Media	Vashaw Scientific Inc.

### **Career Center Library Resources for Majors in the Field of Biology**

How to Get Any Job with Any Major

Exploring Health Care Careers

Metro Atlanta bioscience Industry

Alternative Careers in Science

Opportunities in R & Dev. Careers

Career Opportunities in Health Care

Graduate Programs in the Bio Sci

Great Jobs for Biology Majors

Job Opps for Health & Science Majors

Opportunities in Nursing Careers  
How to Get into the Right Med School  
Careers in Focus: Environment  
Environmental Careers in the 21<sup>st</sup> C.  
Explore Health Care Careers

Opportunities in Hospital Admin.  
Medical Imaging Careers  
Outdoor Careers  
Regional Life Science Emp. Dir.

A PhD is Not Enough: A Guide to  
Survival in Science  
Job Seeker's Guide: Ten Steps to a  
Federal Job

### UGA Campus Contacts Associated with Majors in the Field of Biology

#### **Biology Advising Coordinator**

Dr. Barry Palovitz; (706) 542-1784  
palovitz@dogwood.botany.uga.edu

#### **Biology**

Francine Palovitz; (706) 542-1691  
palovitz@arches.uga.edu

#### **Biochemistry & Molecular Biology**

Dr. Michael Adams;  
adams@bmb.uga.edu  
(706) 542-2060

#### **Botany (Plant Biology)**

Dr. Glenn Galau; (706) 542-1859  
galau@dogwood.botany.uga.edu

#### **Cellular Biology**

Dr. Charles Keith; (706) 542-3310  
chkeith@cb.uga.edu

#### **Entomology**

Dr. John All; (706) 542-7589  
jall@bugs.ent.uga.edu

#### **Genetics**

Sidney Kushner; (706) 542-8000  
skushner@arches.uga.edu

#### **Honors Inter.: Marine Science**

Dr. Brian Binder; (706) 542-6408

bbinder@uga.edu

#### **Microbiology**

Dr. Tim Hoover; (706) 542-2675  
trhoover@uga.edu

#### **Ecology**

Dr. Jim Richardson; (706) 542-6036  
ecouinfo@arches.uga.edu

#### **Beta Beta Beta**

(National Biological Honor Society)  
http://www.uga.edu/bbbhonor/

#### **AED Pre-med Honorary**

http://www.uga.edu/aed/index.htm

### Strategies

- Seek opportunities within Biology to investigate, collect, and analyze data in a variety of specializations
- Supplement curriculum by working on Biological Science research teams
- Gain experience practicing precision, creativity, critical thinking and meticulous organization in all classes
- Seek experience collecting and reporting relevant data while perceiving patterns and structures in all your courses
- Attain an internship in an applied field of Biological Science within your first several semesters to ensure major choice
- Seek research experiences that allow for attendance at appropriate conferences, make presentations if possible
- Develop the ability to prepare poster presentations and volunteer to help Division faculty with program materials
- Develop skills at developing research in a variety of locations through study abroad & the National Student Exchange.
- Attain appropriate Internships and work experiences throughout your 4 years & maintain correspondence w/contacts
- Consider the full variety of masters and PhD programs in the field, continue correspondence with faculty & mentors

### Employment Websites

#### **American Institute of Biological Science**

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

#### **SCA – Internships; Gap Years (room/board/stipend)**

[http://www.thesca.org/conservation\\_careers/](http://www.thesca.org/conservation_careers/)

#### **Environmental Jobs & Careers**

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

#### **The Oceanography Society**

[http://www.tos.org/resources/job\\_annc.html](http://www.tos.org/resources/job_annc.html)

#### **International Association of Bioinformation**

<http://www.bioinformation.net/iab/jobs.htm>

#### **Top USA Jobs.Com-Microbiology**

<http://microbiology.jobs.topusajobs.com/>

#### **Genomics.Energy.Gov**

[http://www.ornl.gov/sci/techresources/Human\\_Genome/education/careers.shtml](http://www.ornl.gov/sci/techresources/Human_Genome/education/careers.shtml)

#### **Society of Integrative & Comparative Biology**

<http://www.sicb.org/careers/index.php3>

### Additional Resources/Contacts for Majors in the Field of Biology

**Beta Beta Beta** is a National Biological Honor Society.

Especially for undergraduates-all disciplines related to Bio.

#### **Important News for UGA Biology Majors**

<http://www.biosci.uga.edu/almanac/biomajor/importantnews.html>

#### **Careers in the Biological Sciences - Barry A. Palevitz,**

<http://www.biosci.uga.edu/almanac/biomajor/career.html>

#### **The American Institute of Biological Sciences**

<http://www.aibs.org/core/index.html>

**AIBS / Member Societies — 50 member Societies of the American Institute of Biological Sciences.**

<http://www.aibs.org/society-membership-directory/>

#### **American Society for Microbiology**

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

#### **Genetics Societies**

<http://www.faseb.org/genetics/>

#### **Organization of Biological Field Stations**

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