

What can I do with a major in “Applied Biotechnology”?

The University of Georgia Career Center

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<http://www.caes.uga.edu/academics/undergraduate/appbiotech.html>



This information describes typical occupations and employment settings associated with this major. Understand some of these options may require additional training. Moreover, you are not limited to these options when choosing a possible career path.

Description of Applied Biotechnology

The applied biotechnology major provides students with the scientific background and laboratory experience necessary for employment in the biotechnology and pharmaceutical industries, or for advanced study in the applications of biotechnology and molecular biology for the use and improvement of plants, animals, and micro-organisms. Students should possess a strong interest in the sciences and an interest in chemistry, biotechnology, microbiology. This interdisciplinary major brings together areas of study such as animals, food science, forestry, entomology, and plants to educate students with the knowledge and skills necessary to use biotechnology for the improvement of plants, animals, and microorganisms.

Research Careers

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

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

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

Alberta Occupational Profiles <http://www.alis.gov.ab.ca/occinfo/frameset.asp> (click on Occupational Title Search)

***Please visit the Career Center Library or your Career Consultant if you need additional information or assistance.**

Possible Job Titles of Applied Biotechnology Graduates

Analytical Chemist	Documentation Specialist	Microbiologist
Biochemist	Engineer*	Patent Administrator
Biologist	Environmental Health and Safety Specialist	Plant Breeder
Biomedical/Validation/Genetic Engineer	Glasswasher	Postdoctoral Fellow
Biostatistician	Greenhouse/Laboratory Assistant	Quality Assurance Auditor
Cell/Research/Molecular Biologist	Library Assistant	Quality Control Analyst/Engineer
Chemist*	Market Research Analyst	Research Assistant/Associate
Clinical Coordinator	Media Prep Technician	Research Technician*

Possible Employers of Applied Biotechnology Graduates

Abeome	Greenhouses	Private corporations
Abbott Pharmaceuticals	Hill-Rom	Regulatory Affairs
Administration	Information Systems	Synageva*
Alcon Laboratories	Johnson & Johnson*	Research Centers
Amgen Inc.	Laboratories	Theranostics
Cambrex Corporation	Life Therapeutics	Universities
CEL-SCI Corporation	Manufacturing and Production	URS*
Federal and state agencies	Marketing and Sales	Vega Consulting Solutions, Inc.

Career Center Library Resources

2004 Federal Employment from A to Z by Federal Research Service

2004 Regional Life Science Employment Directory by Peak Publishing

Agricultural Research: Solving Problems for the Growing World by U.S. Department of Agriculture

Careers for Scientific Types and Others with Inquiring Minds by Goldberg, Jan

Exploring Health Care Careers by Ferguson

Campus Resources

The Georgia BioBusiness Center - <http://www.ovpr.uga.edu/gbbc/>

Making the Difference (Federal Jobs & Internships) - <http://www.makingthedifference.org>

U.S. Office of Personnel Management - <http://www.opm.gov/>

Sloan Foundation Careers in Science, Technology and Medicine - <http://www.careercornerstone.org/>

Science Jobs - <http://www.science-jobs.org>

Science Careers - <http://sciencecareers.sciencemag.org/>

Employment Websites

UGA DAWGlink (career.uga.edu) - <https://uga-csm.symplicity.com/students/index.php>

AgCareers.com - <http://agcareers.com>

Agriculture Future of America - <http://www.agfuture.org/>

National Biological Information Infrastructure - <http://www.nbio.org/portal/server.pt>

National Human Genome Research Institute - <http://www.genome.gov/>

LifeSciencesWorld - <http://www.lifesciencesworld.com>

Bio Online Career Center - <http://biocareers.com/>

Bioinformatics.net - <http://www.bioinformatics.net/>

Guide to Biotechnology - <http://www.bio.org/speeches/pubs/er/>

Careers in Biotechnology and Molecular Biology - <http://www.asbmb.org/>

Professional Science Masters - <http://www.sciencemasters.com/>

Additional Resources

Agricultural Biotechnology Communicators - <http://agribiotech.info/>

Council for Biotechnology Information - <http://www.whybiotech.com/>

The American Institute of Biological Sciences: Careers - <http://www.aibs.org/careers/index.html>

National Institutes of Health: Explore Health and Medical Science Careers - <http://science.education.nih.gov/lifeworks.nsf/Interviews>