



Biochemistry

Biology

Transferable Skills

A liberal arts degree in general, reflects a comprehensive education emphasizing analytical skills, critical thinking and communication skills; abilities in high demand for all employers. Concentrating your studies in a major allows you to also gain specific transferable skills of interest to particular employers and industries.

Graduates with a major in Biology are attractive to employers due to their abilities in the following areas:

- Ability to analyze cause and effects
- Ability to formulate and defend positions
- Ability to gather and tabulate data
- Ability to maintain accurate records
- Ability to operate scientific equipment
- Ability to make critical observations and evaluations
- Ability to observe and analyze introspectively
- Ability to organize and memorize detailed information
- Ability to organize, conduct and explain research
- Ability to practice/concentrate for long periods of time
- Proficiency in analytical reasoning
- Ability to summarize and solve complicated material
- Tendency to have wide ranging curiosity
- Ability to think logically and critically and make analogies
- Design and complete in-depth projects
- Knowledge of dissection and laboratory techniques
- Presenting and writing proposals and reports
- Testing ideas and hypotheses

Range of Example Positions held by Biology Majors

Please note that some of these positions require an advanced degree. For more information and descriptions of these careers, visit [O*NET On-line](#).

- Agricultural Scientist
- Anthropologist
- Archivist
- Bio-Animation and Films
- Biochemist
- Bioethicist
- Bioinformatics
- Biology Teacher (Primary or Secondary)
- Biomechanical Engineering
- Biometrician/Statistician
- Biotechnology Patent Law
- Bioterrorism Expert
- City or Community Health Official
- Botanist
- Brand/Product Manager
- Buyer
- Chiropractor
- Clinical Lab Sciences
- College Administrator
- College Professor
- Conservation Biologist
- Counselor
- Criminologist
- Dentist (DDS)
- Dietician
- Drug Testing/Quality Control
- Ecologist
- Editor
- Entomologist
- Entry-Level Manager
- Environmental Scientist

- Epidemiologist
- Ethnobotanist
- Fisheries & Aquaculture
- Fishery Biologist
- Food Safety Expert
- Forensic Pathologist
- Forensics & Criminal Investigation
- Forest Ranger
- Freelance writer
- Gamekeeper
- Genetic Counseling
- Graphic Artist
- Health Care Administrator
- Herpetologist
- Horticulture
- Human Resources Manager
- Ichthyologist
- Import/Export Manager
- Import/Export Manager
- Landscaping
- Law Enforcement
- Lawyer
- Librarian
- Marine Biologist
- Marine Mammal Trainer
- Market Researcher
- Massage Therapy
- Med/Vet Technician
- Medical Illustration
- Medical Physics
- Microbiologist
- Molecular Visualization
- Nanotechnology
- National Health (FDA, CDC)
- Nursing (RN)
- Nutritionist
- Occupational Therapist
- Oceanographer
- Optometrist (OD)
- Ornithologist
- Pharmaceutical Researcher
- Pharmacist's Assistant
- Pharmacist (BS or PharmD)
- Physical Therapist
- Physician (MD, DO)
- Podiatrist (DPM)
- Professor (2 or 4 year Institution)
- Psychiatrist
- Public Relations Specialist
- Registered Nurse
- Researcher
- Social Worker
- Special Agent/FBI
- Speech Therapist
- Technical Writer
- Textbook Publisher
- Veterinarian (DVM)
- Zookeeper
- Zoologist
- Zymurgy (Beer/Winemaking)

Professional Associations

Professional associations or organizations can be a great way to meet, learn from and network with professionals in your field of interest. Inexpensive student memberships are often available. These are only a sampling of professional associations. Be sure to search for others that may be applicable or helpful.

- [Air and Waste Management Association](#)
- [American Cancer Society](#)
- [American College of Nurse Practitioners](#)
- [American Dental Association](#)
- [American Institute of Biological Sciences](#)
- [American Medical Association](#)
- [American Society for Microbiology](#)
- [American Society of Cytopathology](#)
- [American Veterinary Medical Association](#)
- [Biophysical Society](#)
- [Botanical Society of America](#)
- [Ecological Society of America](#)
- [Journal of Young Investigators Science Career Center](#)

- [National Association of Biology Teachers](#)
- [New York Academy of Sciences](#)
- [Society for Neuroscience](#)

Job sites that have been used by previous students and alumni

- http://www.animaledu.com/career_info/internships.htm
- <http://www.osnabirds.org/on/ornjobs.htm>
- <http://www.conbio.org/Jobs/>
- http://www.nsf.gov/crssprgm/reu/list_result.cfm?unitid=5047
- <http://www.ecojobs.com/>
- <http://www.aza.org/joblistings/>
- <http://wfsc.tamu.edu/jobboard/>
- http://careers.wildlife.org/home/index.cfm?site_id=8764
- <http://www.fisheries.org/afs/jobpage.php>
- <http://www.animalsciencejobs.com/>
- <http://www.animalbehavior.org/ABS/Announcements/>
- <http://www.columbia.edu/cu/biology/ug/intern.html>
- <http://www.bscp.org/resources/internships-and-job-opportunities/>
- <http://www.aamc.org/members/great/summerlinks.htm>

Chemistry

Transferable Skills

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Graduates with a major in Chemistry are attractive to employers due to their abilities in the following areas:

- Ability to analyze cause and effects
- Ability to conduct scientific research
- Ability to gather and tabulate data
- Ability to maintain accurate records
- Ability to operate scientific equipment
- Ability to make critical observations and evaluations
- Ability to observe and analyze introspectively
- Ability to organize and memorize detailed information
- Ability to organize, conduct and explain research
- Ability to practice/concentrate for long periods of time
- Proficiency in analytical reasoning
- Ability to summarize and solve complicated material
- Strong mathematical background
- Good vision, spatial and manual dexterity
- Ability to organize, analyze and interpret scientific data
- Strong mathematical and numerical ability
- Ability to think logically and critically and make analogies
- Design and complete in-depth projects
- Knowledge of dissection and laboratory techniques
- Presenting and writing proposals and reports
- Testing ideas and hypotheses
- Analytical and problem-solving skills: finding solutions to qualitative and quantitative problems; examining and interpreting results;
- Time management: planning and executing experiments; undertaking individual and team project work; completing your dissertation

- Communication: sharing your research findings via written reports and oral presentations to different audiences; assimilating scientific theories and arguments for discussion and debate;
- IT and technology: understanding and using computer software/models; processing data.

Range of Example Positions held by Chemistry Majors

Please note that some of these positions require an advanced degree. For more information and descriptions of these careers, visit [O*NET On-line](#).

- Science Journalist
- Basic Research
- Drug Manufacturing
- Environmental Protection
- Food Researcher
- Forensic Chemistry
- Instrumentation
- Petroleum Researcher
- Teaching
- Textiles Researcher

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- [American Chemical Society](#)
- [American Association for Clinical Chemistry](#)
- [American Association of Pharmaceutical Sciences](#)
- [American Institute of Chemists](#)
- [American Society for Biochemistry and Molecular Biology](#)
- [Society of Chemical Industry](#)