



## What can I do with a major in... **BIOLOGY**

Through a sequence of core courses, the biology major provides students with a comprehensive study of the various sub-disciplines of biology including cell and molecular biology, genetics, organismal biology and ecology. Opportunities for research, independent study and practical internships further strengthen each student's degree and resume. The major is a flexible program designed to tailor fit to the career goals of each biology student. After completing the biology core requirements, students are able to select from a wide variety of science electives to prepare for any profession in the biological sciences: Clinical Health Sciences including medical, dental, veterinary, physician assistant, doctor of nurse practitioner, public health, physical therapy, chiropractic, etc.; Research Sciences including biomedical industry, MS and PhD programs in cell and molecular biology, plant and environmental science, forensic science, genetics, etc.

### What types of work are related to this degree?

Product development  
Industrial quality control  
Technical sales  
Analysis and testing  
Environmental protection and re-  
search  
Legal, medical and scientific research  
Food science and research  
Forensic technician  
Aquatic biologist  
Laboratory or blood bank testing/technology  
Botany technician  
Clinical research assistant  
Forestry or park ranger  
Histology or microbiology technician

Medical school  
Dental school  
Chiropractic school  
Physical Therapy  
school  
Veterinary school  
Public Health

### Who employs people with this degree?

Colleges and universities  
Clinics and hospitals  
Pharmaceutical, biotech, and chemical companies  
Public health agencies  
Federal/state/local government laboratories & agencies  
State/national parks  
Medical research laboratories  
Private research foundations  
Agriculture and food production industries  
Zoos

More information online at [ONETonline.org](http://ONETonline.org)

### Strategies for Success:

- A Bachelor's degree will qualify one for work as a laboratory assistant, technician, technologist, or research assistant in education, industry, government, museums, parks, and gardens.
- An undergraduate degree can also be used for nontechnical work in writing, illustration, sales, photography, and legislation.
- The biological sciences are good preparation for a career in healthcare such as medicine, dentistry and veterinary science, but professional degrees and licenses are also necessary.
- Read scientific journals related to your area of interest.
- Learn federal, state, and local government job application process. The federal government is the largest employer of biologists.
- Gain experience with grant writing and fundraising techniques. Often, research must be funded in this manner.
- Develop multiple areas of specialization through coursework, minors, or double-majors in molecular biology, mathematics, statistics, or computer science.
- Become familiar with the specific entrance exam for graduate or professional schools in your area of interest.

### Professional Associations:

American Society for Biochemistry and Molecular Biology  
American Chemical Society  
Biology Industry Organization

Council for the Advancement of Science Writing  
American Institute of Biological Sciences  
American Society for Microbiology

This information represents possible occupations and strategies for careers with this major. As with any job or career, there may be additional qualifications or experience needed. For more information and options, make an appointment with Career Development or check out our online resources on our website or on theROCK, Career Development tab.