

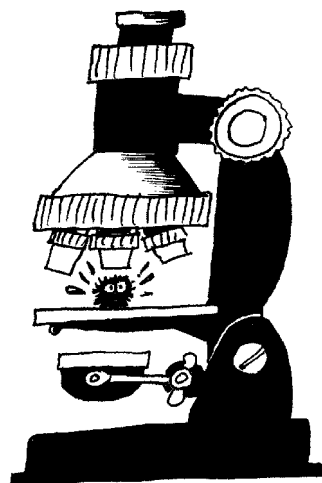
CAREER OPPORTUNITIES FOR BIOLOGY MAJORS

If there is one question that career counselors and faculty advisors are asked more often than all others by students seeking assistance with career planning, it is this: *“What can I do with this major?”* An undergraduate student in the liberal arts and sciences is actually developing a broad array of skills that might be applied to any number of careers, rather than developing an in-depth expertise in just one area. Therefore, a better question to pose might be: *“What skills am I developing in my major, and how might I explore careers that would require these skills?”*

Pursuing any area of Biology can be for personal or professional reasons. Biology is a popular choice for those who plan to enter the medical profession, but it is also selected by students who have a fundamental interest in and curiosity of plants and animals, how they function, and how they interrelate. Hence, the study of Biology could lead to a career in a facet of Biology, but it could also give information and insights that will enrich one's life as a person, citizen, parent, writer, librarian, or any career one may pursue.

SKILLS/ABILITIES

- ❖ Operating knowledge of scientific equipment
- ❖ Gathering data
- ❖ Experimenting with ideas/procedures
- ❖ Organizing/classifying
- ❖ Inspecting/examining
- ❖ Analyzing/dissecting
- ❖ Diagnosing
- ❖ Testing an idea/hypothesis
- ❖ Problem solving
- ❖ Drawing conclusions from data
- ❖ Reviewing/evaluating
- ❖ Writing reports/articles
- ❖ Summarizing data
- ❖ Writing grant proposals
- ❖ Maintaining records/ tabulating data
- ❖ Seeing relationships between factors
- ❖ Perceiving patterns and structures
- ❖ Designing projects
- ❖ Observation
- ❖ Developing/generating ideas
- ❖ Organizing details
- ❖ Presenting proposals/ reports to a group



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OCCUPATIONAL OPPORTUNITIES

This list is only a sampling of the possible occupations for Biology Majors

- ❖ Botanist
- ❖ Forester
- ❖ Zoo Keeper/Curator
- ❖ Environmental Impact Specialist
- ❖ Park Naturalist/Ranger
- ❖ Ecologist
- ❖ Fishery Research Biologist
- ❖ Horticulturist
- ❖ Plant Pathologist
- ❖ Range Conservationist
- ❖ Wildlife Refuge Manager
- ❖ Marine Biologist
- ❖ Game Warden
- ❖ Science Columnist
- ❖ Technical Writer
- ❖ Biological Photographer
- ❖ Trade Magazine Editor
- ❖ Free-lance Columnist
- ❖ Biological Researcher
- ❖ Bacteriologist
- ❖ Zoological Researcher
- ❖ Medical Technician
- ❖ Dietetic Technician
- ❖ Veterinarian
- ❖ Medical Illustrator
- ❖ Family Planner
- ❖ Health Information Specialist
- ❖ Hospital Administrator
- ❖ Physical Therapist
- ❖ Nuclear Medicine Technician
- ❖ Genetic Researcher
- ❖ Biostatistician
- ❖ Teacher
- ❖ Educational Television Programmer
- ❖ Environmental Educator
- ❖ College Professor
- ❖ Biochemist
- ❖ Industrial Researcher
- ❖ Pharmaceutical Researcher
- ❖ Technical Salesperson
- ❖ Insurance Claim Examiner
- ❖ Technical Writer
- ❖ Toxicologist
- ❖ Industrial Hygienist
- ❖ Pharmaceutical Sales Representative
- ❖ Public Health Officer
- ❖ Dietitian
- ❖ Drug Inspector
- ❖ Museum Worker
- ❖ Librarian
- ❖ Nutritionist
- ❖ Consumer Product Researcher
- ❖ Population Planner



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RESEARCHING YOUR CAREER IDEAS

How do you find out what's out there?

Researching careers is a time-consuming, but necessary process. Waiting until graduation to start thinking about your career plans is as absurd as studying after you've taken your final exams.

1. Written and On-line Resources:

- ❖ Visit Career & Counseling Services' Career Resource Center
(located on the Ground Floor of East Hathorn Hall)
- ❖ Visit the Chalmer Davee Library
- ❖ Browse the Internet, such as Career & Counseling Services' Web Page
(www.uwrf.edu/ccs)

2. People Resources:

- ❖ Talk with Faculty and Alumni
- ❖ Join Professional Organizations
- ❖ Conduct Occupational Interviews
- ❖ Use Career & Counseling Services' "Career Information Network"
- ❖ Consult Employer Directories and the Yellow Pages



3. Obtain Direct Experience:

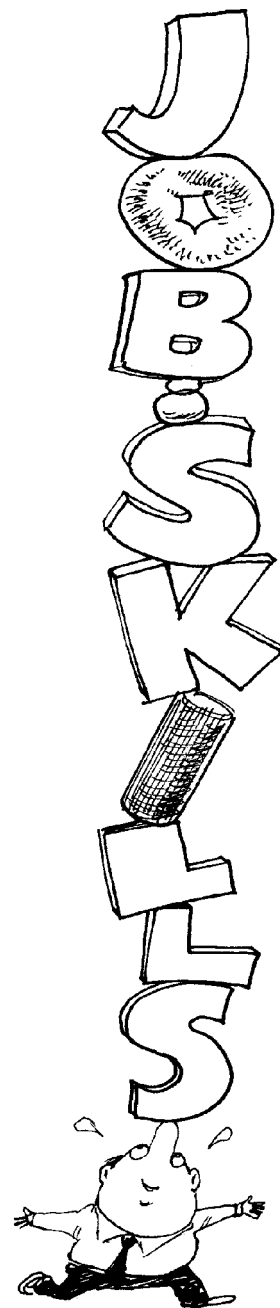
- ❖ Job Shadowing
- ❖ Volunteer or part-time work
- ❖ **Internships are *essential!*** Talk with your departmental faculty coordinator for internship information.

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Suggestions to Enhance Your Skills

- ❖ Learn laboratory procedures and become familiar with equipment.
- ❖ Complete various training courses working with laboratory equipment and procedures to enhance job skills and abilities.
- ❖ Obtain experience in technical writing.
- ❖ Take additional courses in mathematics and science.
- ❖ Develop solid problem solving skills.
- ❖ Develop work habits that are systematic, precise, and patient.
- ❖ Acquire a background in computer science.
- ❖ Learn federal and state government job application process.
- ❖ Volunteer to do research with a professor.
- ❖ Work as a lab assistant or a teaching assistant.
- ❖ Join the tutoring program through the Academic Success Center.
- ❖ Volunteer at the Humane Society.
- ❖ Work at the campus lab farms.
- ❖ Take courses in chemistry and English.
- ❖ Join related clubs like the Biology Club, Angling Society, Bushwackers, EcoClub, etc.
- ❖ Work at a UWRF greenhouse.
- ❖ Join organizations to get leadership experience.



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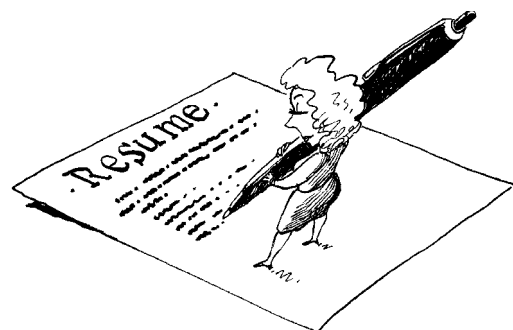
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CAREER RESOURCES FOR BIOLOGY MAJORS

***Career & Counseling Services' Career Resource Center
(Ground Floor, East Hathorn Hall)***

Career & Counseling Services' Career Resource Center is open every day from 8:00 AM to 4:30 PM; we are also open until 7:00 PM Thursday evenings. The following books in our Resource Center may be of particular interest to students majoring in Biology:

- ❖ Opportunities in Biological Science Careers
- ❖ Opportunities in Health and Medical Careers
- ❖ Opportunities in Biotechnology Careers
- ❖ Opportunities in Engineering Careers
- ❖ Opportunities in Forestry Careers
- ❖ Opportunities in Landscape Architecture Careers
- ❖ Opportunities in Sports Medicine Careers
- ❖ Opportunities in Research and Development Careers
- ❖ Careers for Animal Lovers and Other Zoological Types
- ❖ Careers for Environmental Types and Others Who Respect the Earth
- ❖ Careers for Nature Lovers and Other Outdoor Types
- ❖ Careers for Plant Lovers and Other Green Thumb Types
- ❖ Careers for Horticulture and Botany
- ❖ Careers in Science and Engineering
- ❖ Life Science Careers
- ❖ Outdoor Careers; Exploring Occupations in Outdoor Fields
- ❖ Science Careers in Search of Women
- ❖ Sunshine Jobs
- ❖ Planning Your Career in Alternative Medicine
- ❖ Jump Start Your Career in BioScience
- ❖ Great Jobs for Biology Majors
- ❖ Green at Work
- ❖ Outdoors Careers
- ❖ Comprehensive Guide to Environmental Careers



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