

*Department of Biology*  
**ROANOKE COLLEGE**  
 Career Advising Guide

MAJORS	SKILLS/ATTRIBUTES	*RELATED OCCUPATIONS	EXTRACURRICULAR ACTIVITIES AT RC	ADDITIONAL SOURCES OF INFORMATION
Biology B.A.	<p>Students who successfully complete the degree requirements of the Roanoke College Biology Department should possess:</p> <ol style="list-style-type: none"> <li>1. A sound, broad intellectual foundation.</li> <li>2. The knowledge of and ability to use basic experimental methodology.</li> <li>3. The ability to express her- or himself in both written and oral form.</li> <li>4. Develop self-reliance and independence but be able to work collaboratively.</li> </ol> <p><i>ability to:</i>            concentrate            make critical observations &amp; decisions            organize &amp; maintain accurate records            conduct &amp; clearly explain scientific research            operate scientific equipment            desire for preciseness            desire for helping mankind</p>	Chiropractor College University Professor Dentist Dietician/Food Technologist Educator (K-12) Environmental Scientist Farmer Forensic Scientist* Forester Genetic Counselor Health Care Administrator Medical Illustrator* Medical Lab Technician Museum Curator/Technician Occupational or Physical Therapist* Optometrist* Perfusion Technologist Physician* Physician's Assistant Radiological Technician Registered Nurse* Sales-Pharmaceutical/Medical Equipment* Science Writer Veterinarian*	Beta Beta Beta Biological Honor Society The Mendel Honor Society The Darwin Honor Society Biology Club	American Institute of Biological Sciences 730 11 <sup>th</sup> St., NW Washington, DC 20001  <i>Opportunities in Biological Sciences</i> Winter, Charles A. Lincolnwood, IL: National Textbook, 1985  <i>Job Choices: 1996 in Science and Engineering</i> National Association of Colleges & Employers Bethlehem, PA, 1995 (available in LS 311 and in Career Services)

Biology is the study of life. It includes the study of how organisms are structured as well as how they function and relate to each other. Among the major branches of biology are human anatomy and physiology; botany (the study of plants); microbiology (the study of microscopic organisms); zoology (the study of animals); and ecology (the study of the relationship between organisms and the environment). Interested students may elect to concentrate in one or more of the subdivisions associated with the major biological branches.

Entering salary: Varies by position \* A Bachelor's or Master's or doctoral degree in biology would be useful in pursuing these occupations.

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Biology B.S.	<p>Students who successfully complete the degree requirements of the Roanoke College Biology Department should possess:</p> <ol style="list-style-type: none"> <li>1. A sound, broad intellectual foundation.</li> <li>2. The knowledge of and ability to use basic experimental methodology.</li> <li>3. The ability to express her- or himself in both written and oral form.</li> <li>4. Self-reliance and independence but be able to work collaboratively.</li> <li>5. Ability to work collaboratively.</li> </ol> <p><i>Ability to:</i>            Concentrate            Make critical observations &amp; decisions            Organize &amp; maintain accurate records            Conduct &amp; clearly explain scientific research            Operate scientific equipment            Desire for preciseness            Desire for helping mankind</p>	<p>Chiropractor            College University Professor            Dentist            Dietician/Food Technologist            Educator (K-12)            Environmental Scientist            Farmer            Forensic Scientist*            Forester            Genetic Counselor            Health Care Administrator            Horticulturalist            Medical Illustrator*            Medical Lab Technician*            Museum Curator/Technician            Occupational or Physical Therapist*            Optometrist*            Perfusion Technologist            Physician*            Physician's Assistant            Radiological Technician            Registered Nurse*            Sales-Pharmaceutical/Medical Equipment*            Science Writer            Veterinarian*</p>	<p>Beta Beta Beta Biological Honor Society            The Darwin Honor Society            The Mendel Honor Society            Biology Club</p>	<p>American Institute of Biological Sciences            730 11<sup>th</sup> St., NW            Washington, DC 20001</p> <p><i>Opportunities in Biological Sciences</i>            Winter, Charles A.            Lincolnwood, IL: National Textbook, 1985</p> <p><i>Job Choices: 1996 in Science and Engineering</i>            National Association of Colleges &amp; Employers            Bethlehem, PA, 1995 (available in LS 311 and Career Services)</p>

Biology is the study of life. It includes the study of how organisms are structured as well as how they function and relate to each other. Among the major branches of Biology are physiology (the study of how organisms function); botany (the study of plants); microbiology (the study of microscopic organisms); zoology (the study of animals); ecology (the study of the relationship between organisms and the environment); genetics (the study of how characteristics are inherited); and developmental biology (the study of how multicellular organisms develop from single cells). Interested students may elect to concentrate in one or more of the subdivisions associated with the major biological branches.

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