CAREER OPPORTUNITIES FOR BIOLOGY & LIFE SCIENCE MAJORS

SKILLS & ABILITIES OF THE BIOLOGY & LIFE SCIENCE MAJOR

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<th>Investigation</th>
<th>Analysis</th>
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<td>• Inspecting specimens</td>
<td>• Evaluating effects of phenomena</td>
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<td>• Assessing risks</td>
<td>• Making projections from data</td>
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<tr>
<td>• Defining expected/potential results</td>
<td>• Examining components of problems/ideas</td>
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<tr>
<td>• Identifying problems</td>
<td>• Reasoning logically</td>
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<td>• Cataloging information</td>
<td>• Categorizing data</td>
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Research

- Defining problems
- Organizing ideas/information
- Conducting studies
- Designing experiments
- Recording observations
- Using computers for simulation

Analysis

- Evaluating effects of phenomena
- Making projections from data
- Examining components of problems/ideas
- Reasoning logically
- Categorizing data

Quantitative

- Preparing statistical reports
- Utilizing statistical tests to predict outcomes
- Determining probabilities
- Applying scientific concepts to problems
- Interpreting results
- Utilizing laboratory equipment

POTENTIAL CAREERS

Business and Industry

- Biochemist*
- Pharmaceutical Sales Representative
- Industrial Hygienist*
- Retail Manager
- Bioengineer*
- Trainer
- Molecular Biologist*
- Food Technician/Technologist
- Technical Writer
- Journalist

- Physician*
- Medical Illustrator
- Epidemiologist*
- Genetic Engineer*
- Health Policy Consultant*
- Data Analyst*
- Administrator, HMO*
- Medical Librarian*
- Medical Technologist*
- Dentist, Dental Hygienist*
- Optometrist*
- Pharmacist*
- Physiologist*

Medicine and Health

- Toxicologist
- Veterinarian*
- Biostatistician*
- Bacteriologist*

- Park Naturalist

Environmental
• Marine Biologist
• Botanist
• Zoologist
• Fundraiser, environmental organization
• Entomologist
• Conservationist
• Curator, botanical gardens

Government and Public
• Public Health Officer*

*Additional graduate study is generally expected for those occupations marked with an * on the above list.

TYPES OF EMPLOYERS
• Business and Industry
• State and Federal Government
• Self-Employed
• State and National Parks
• Zoos
• Nature Centers
• Schools
• Colleges and Universities
• Non-Profit Organizations
• Science Museums
• Aquariums
• Health-Care Centers

ADDITIONAL RESOURCES
• Xavier University Biology Department
• Xavier University Pre-Health Advising
• National Science Foundation
• O*NET OnLine has detailed descriptions of the world of work