

What Can I Do With This **Ohio State** Major?

Bachelor of Arts or Bachelor of Science

Biochemistry

College of Arts and Sciences

The Department of Biochemistry at Ohio State offers excellent training in the chemical basis of life and insight into the chemistry of living systems. The study of biochemistry provides a good background for further study or employment in many basic science fields. Many undergraduates in biochemistry go on to professional schools. Biochemists investigate how molecular structure determines biological function, how molecules recognize each other, and how the dynamic chemical changes that occur inside cells are orchestrated. Biochemists look at how living organisms function at the molecular level, studying such subjects as the structure of enzymes, the transfer of genetic information, or photosynthesis. ⁱ

Career Areas/Job Titles:

Government & Management

Forensic Scientist
Healthcare Administrator
Natural Sciences Coordinator
Pharmaceutical Sales Representative
Scientific / Technical Consultant

Education

College Instructor
K-12 Teacher
Naturalist
Professor
Researcher

Industry, Science & Tech.

Biochemist
Bio-information Analyst
Chemical Process Engineer
Food Scientist
Quality Control Specialist
Textile Chemist

Communication & Politics

Biotechnology Lawyer
Grant Writer
Intellectual Property / Patent Lawyer
Journalist

Health Professions

Dentist
Medical Doctor
Medicinal Chemist
Optometrist
Pharmacist
Pharmaceutical Lab Scientist
Physical Therapist
Radiologist
Veterinarian

**Some careers may require licensure, certification, or further education. Talk to an advisor about specific requirements.*

Transferable Skills:

Analytical / Critical Thinking
Develop Theories
Formulate Hypotheses
Gather Information
Data Analysis
Laboratory Skills
Computer Troubleshooting

Delegating Tasks
Organization Skills
Implementing Theories
Managing Time/Stress
Forecasting/Predicting
Initiative
Creating Innovative Solutions

Experimental Design
Strategic Planning/Visioning
Facilitating Group Discussion
Teamwork
Editing
Written Communication

**This is not an extensive list of transferable skills. See larger list of skills you might develop here:*

<http://ccss.osu.edu>

Professional Links:

The Biochemistry Club at The Ohio State University: <http://biochemclub.org.ohio-state.edu/>

The American Society for Biochemistry and Molecular Biology: <http://www.asbmb.org/>

American Chemical Society: www.acs.org/