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.

**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
- Delegating Tasks
- Developing Theories
- Organization Skills
- Formulating Hypotheses
- Implementing Theories
- Gathering Information
- Managing Time/Stress
- Data Analysis
- Forecasting/Predicting
- Laboratory Skills
- Initiative
- Computer Troubleshooting
- Creating Innovative Solutions
- Delegating Tasks
- Organization Skills
- 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](http://ccss.osu.edu)*

**Professional Links:**

- The Biochemistry Club at The Ohio State University: [http://biochemclub.org.ohio-state.edu/](http://biochemclub.org.ohio.state.edu/)
- American Chemical Society: [www.acs.org/](http://www.acs.org/)

* [http://chemistry.osu.edu/undergraduate/biochemistry/general_information](http://chemistry.osu.edu/undergraduate/biochemistry/general_information)