What I Can Do With a Major In... BIOCHEMISTRY

Biochemistry is an interdisciplinary major that focuses on the interface between biology and chemistry. It combines basic courses in biology, chemistry, and physics with advanced courses in chemical instrumentation, cell and molecular biology, and biochemistry. This whole area constitutes one of the most active and exciting areas in science as scientists seek to understand the molecular basis of life. Students who major in biochemistry usually go on to graduate school in biochemistry, molecular biology, or various related fields of study. Another possible goal is an M.D. or PhD degree for someone interested in medical research. It also offers preparation for chemists in entry level biochemical positions in industry.

Associated Job Titles:
Biochemist
Laboratory Technician
Pharmaceutical Researcher
Pharmacologist
College professor
Physicist
Toxicologist
Physician
Medical Scientist
Physiologist
Veterinarian
Dentist

Associated Skills:
- Competence in mathematics and computers
- Ability to communicate clearly
- Can work independently or as part of a team
- Good vision and manual dexterity
- Ability to conduct and explain scientific research
- Aptitude for accurate details
- Ability to organize, analyze, and interpret scientific data
- Comfortable with quantitative approaches to problem solving
- Intellectual capacity to perform well in undergraduate and graduate curriculums

Associated Personal Qualities:
Curiosity
Knowledge
Achievement
Love of the sciences
Enjoys working alone or with a team
Alertness
Enjoyment of academic challenges
Patience
Responsible
Imaginative
Interest in seeing ideas developed into practical uses

Career Library Resources:
Opportunities in Biological Sciences
Opportunities in Chemistry Careers
Opportunities in Pharmacy Careers
Peterson's Job Opportunities in Health and Science
What Color Is Your Parachute?
Career Planning Today
Majoring in the Rest of Your Life
Do What You Are

Encyclopedia of Careers and Vocational Guidance
The Kuder Book of People Who Like Their Work
The Enhanced Guide for Occupational Exploration
The Dictionary of Occupational Titles
The Occupational Outlook Handbook
FOCUS Computer Guidance System

Places To Contact For More Information:
American Society for Biochemistry and Molecular Biology
9650 Rockville Pike
Bethesda, Maryland 20814

Institute for Biochemical Pharmacology
Peter Mayer Strasse 1
A-6020 Innsbruck/Tyrol
Austria

Websites To Visit:
http://acswebcontent.acs.org/home.html
http://chemfinder.camsoft.com
www.nacb.org
www.asbmb.org

Professors To Contact For More Information:
Professor Bobby Baldridge, Chair
Dr. Bruce Branan
Dr. Don Burgess
Dr. Larry Olsen
Dr. Melinda Stull

Nearby Employers:
Altech International Headquarters
3031 Catnip Hill Pike
Nicholasville 885-9613

Central Kentucky Research Associates, Inc.
2366 Nicholasville Rd. 275-1966
Kentucky Clinical Research, Inc.
2104 Langdon Ct. 223-6388
University of Kentucky 257-9000

*Addresses listed are located in the Lexington, Kentucky area unless otherwise noted.

Alumni Contacts:
Schedule an appointment with Career Services to conduct a tailored search for alumni working in the fields associated with this major.

Note: For specific information concerning course requirements of this major, please pick up a major sheet at the Registrar’s Office located in the Administration building.