

# Biochemistry and Molecular Biology

*The biochemistry and molecular biology program offers an interdisciplinary major that draws on the faculty and course resources of the departments of biology and chemistry. Designed to provide students with an in-depth exploration of an actively growing area of science, the program is suitable for students who want to pursue graduate studies in the area; enter medical school with a strong background in basic science; or take laboratory or other science-related positions after graduation.*

### Related Careers:

Laboratories	Clinical Research, Biotechnology Research, Chemist, Forensic Research
Pharmaceutical Companies	Sales, Quality Control
Chemical / Food Companies	Clinical Research, Cosmetic Development, Botany, Food Technology
Education	University Teaching / Research, Secondary education
Government	Public Health Research, Grant Writer
Healthcare / Hospitals	Doctor, Dentist, Optometrist, Pharmacist, Veterinarian, Allied Health Professional, Biomedical Engineering
Other areas to consider:	Intellectual Property/Patent Law, Scientific Publishing

### Where do Biochemistry and Molecular Biology majors intern?

- Forensic Investigator Intern, Allegheny County Medical Examiner's Office, Pittsburgh, PA
- Intern, Abbott Bioresearch Center, Worcester, MA
- Pharmacy Technician, Stop and Shop, Westborough, MA
- Intern, Blue Sky Biotech, Worcester, MA
- Intern, Tufts Cummings School Of Veterinary Medicine, N. Grafton, MA
- Research Intern, UMass Medical School, Worcester, MA
- Target Biology Intern, CytRx Corp. Los Angeles, CA
- Research Intern, Genzyme, Cambridge, MA
- Intern, Neighborworks Home Ownership Center, Sacramento, CA

### Where do Clark Biochemistry and Molecular Biology majors attend graduate school?

- M.S./ PhD Pharmacology, MA College of Pharmacy (MCPHS)
- Ph.D., Molecular, Cellular and Dev. Biology University of Colorado, Boulder
- M.D., Medical College of Wisconsin
- M.D., Brown University
- Master's in Biomedical Engineering, Boston University
- Master's in Biochemistry, University of California at San Diego
- Ph.D/M.D., UMass Medical School
- Master's in Microbiology, Washington State University
- Ph.D., Environmental and Occupational Health, University of Pittsburgh
- M.S., Biochemistry, Georgetown University
- Master of Dental Science, University of Connecticut
- D.M.D., Harvard School of Dental Medicine

### What do Biochemistry and Molecular Biology majors do?

- Clinical Research Assistant, Parexel
- Veterinarian, MSPCA Angell Animal Medical Center
- Small Business Owner, Health Tree Natural Foods
- Science Teacher, JFK High School
- Physician, Syracuse Hospital
- Biochemist, Biogen
- Regulatory Associate, Genzyme
- Senior Scientist, ECI Biotech
- Clinical Researcher, Parexel
- Cardiothoracic Surgeon, Albany Hospital
- Post-doc Researcher – Rockefeller University
- Lab Technician – Quest Diagnostics
- Optometrist – Fallon Clinic
- Pediatric Resident – Montefiore Medical
- Physician – Hilton Health Care

**Links for Further Research:**

American Society for Biochemistry and Molecular Biology	<a href="http://www.asbmb.org/">http://www.asbmb.org/</a>
BioTechniques Journal	<a href="http://www.biotechniques.com/">http://www.biotechniques.com/</a>
Cell and Molecular Biology Online	<a href="http://www.cellbio.com/">http://www.cellbio.com/</a>
MCPHS: What do You Want to Be?	<a href="http://www.mcphs.edu/academics/find-yourself">http://www.mcphs.edu/academics/find-yourself</a>
Council for the Central Laboratory of the Research Councils	<a href="http://www.stfc.ac.uk/">http://www.stfc.ac.uk/</a>
Journal of Biological Chemistry	<a href="http://www.jbc.org/">http://www.jbc.org/</a>
Max Planck Institute	<a href="http://www.mpg.de/en">http://www.mpg.de/en</a>
National Science Foundation	<a href="http://www.nsf.gov/">http://www.nsf.gov/</a>