

WHAT CAN I DO WITH A MAJOR IN: BIOCHEMISTRY

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What Activities Could Biochemistry Majors Do?

Biochemists study the chemical composition of living things, particularly proteins, nucleic acids, lipids, and carbohydrates. They study the physical principles of living cells and organisms, their electrical and mechanical energy, and related phenomena. They also conduct research to further understand and analyze the complex chemical combinations and reactions involved in metabolism, reproduction, growth, and heredity. This could include the molecular and chemical aspects of immune system functioning or the expression of genes. Research could even include how certain characteristics of plants and animals are carried through successive generations.

Biochemists also research methods of transferring characteristics, such as resistance to disease, from one organism to another. They develop and execute tests to detect disease, genetic disorders, or other abnormalities. Biochemists may research and determine the chemical action of substances, such as drugs, serums, hormones, and food on tissues and vital processes on living organisms. They can develop and test new drugs and medications intended for commercial distribution.

What Industries Could Biochemistry Majors Explore?

Biotechnology Pharmaceutical	Research Institutes Government	Food Processing Medical Centers	Cosmetics Agriculture
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What Employers Hire Biochemistry Majors?

Pfizer Johnson & Johnson Abbott Laboratories Eli Lilly R & D Systems ProtaTek International	National Science Foundation Bristol-Myers Squibb Amgen Genentech MicroSurfaces, Inc. EV3 Endovascular	GlaxoSmithKline Bayer Group Universities Food and Drug Administration Boston Scientific Medtox Laboratories	Merck General Mills Cargill Schreiber Foods, Inc. 3M
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What Are Some Full-Time Job Titles For Biochemistry Majors?

Regulatory Affairs Associate Process Engineer Research Associate	Product Manager Lab Technician Production Team Advisor	Scientist Technical Aide Technical Consultant	Chemical Technician Clinical Coordinator Research Scientist
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What Are Some Useful Websites For Biochemistry Majors?

Biotechnology Industry Organization	www.bio.org
Biology Jobs	www.biologyjobs.com
BioSpace Jobs	www.biospace.com/jobs
Careers in Science and Engineering	www.nap.edu/readingroom/books/careers/contents.html
Hire Bio	www.hirebio.com
Life Sciences World	www.lifesciencesworld.com
Minnesota Life Science	www.minnesotalifescience.com

Information on this page was compiled from the Occupational Outlook Handbook, the Encyclopedia of Careers and Vocational Guidance, University of Minnesota departmental websites, and student-reported data.