



STEM Careers

Biochemist

Job Description: Biochemists study the chemical and physical principles of living things and of biological processes, such as cell development, growth, heredity, and disease.

What does a Biochemist do?

- Plan and conduct complex projects in basic and applied research
- Manage laboratory teams and monitor the quality of their work
- Isolate, analyze, and synthesize proteins, fats, DNA, and other molecules
- Research the effects of substances such as drugs, hormones, and nutrients on tissues and biological processes
- Prepare technical reports, research papers, and recommendations based on their research findings
- Present research findings to scientists, engineers, and other colleagues
- Secure funding and write grant applications

Your Interests:

- Are you interested in doing lab work on cells and chemicals at the molecular level?
- Are you interested in R&D work?
- Are you wanting to work in medicine or with biofuels?

Outlook:

Average Salary - \$45.32 hourly, \$94,270 annual

Projected Job Growth - 5.0% growth by 2030.

Education/Program of Study:

Most research positions require a Ph.D; however, some entry level positions only require a bachelor's or master's degree.

Possible degree paths are biochemistry, biology, physical science, and engineering.

Sources:

<https://www.bls.gov/ooh/life-physical-and-social-science/biochemists-and-biophysicists.htm#tab-4>

<https://www.yourfreecareertest.com/biochemist/>