

## Department of Biochemistry FAQs

### **1. What does Biochemistry as a discipline deal with?**

Biochemistry is a branch of Science that deals with the study of chemical processes in a living organism. In the Biochemistry course, students are taught all about cellular processes, and details about proteins, enzymes, other biomolecules, metabolism, genetics, cell biology, immunology, human physiology, biochemical techniques, bioinformatics, biostatistics, research methodology, molecular biology and biotechnology.

### **2. What are the eligibility criteria for admission to the Biochemistry program?**

B.Sc. (Hons.) Biochemistry is an undergraduate program, the duration of which is 4 years according to NEP guidelines. Candidates must have passed 10+2 or any other equivalent examination in Science stream with Physics, Chemistry and Biology/Biotechnology as compulsory subjects. Having studied Mathematics in Higher Secondary would be advantageous.

### **3. How can I take admission in B.Sc.(H) Biochemistry?**

Admission to colleges of university of Delhi for the Biochemistry course is usually entrance based, which is conducted by the university itself. The entrance is called CUET (Common university entrance test). The details regarding CUET 2023 are displayed on Delhi University's website.

### **4. What are the options available for the students of B. Sc. (Hons.) Biochemistry in higher studies?**

Under-graduate degree program in Biochemistry provides students with an excellent foundation for further studies in fields such as Biochemistry, Genetics, Molecular Biology, Biomedical Science, Zoology, Cancer Biology, Immunology, Clinical Research, Microbiology, Neuroscience, Public Health etc. Students are encouraged to complete Master's program in a relevant field followed by Ph.D. program.

### **5. Is there any direct Master's degree program in Biochemistry for the students having studied undergraduate course in the same field?**

Yes, University of Delhi offers program in M.Sc. Biochemistry at Department of Biochemistry, University of Delhi South Campus. But there are no direct seats for the students who have studied B. Sc. (Hons) Biochemistry. Students will have to give entrance exam again for the same. Apart from University of Delhi, students can also take admission in AIIMS, BHU, JMI, Jamia Hamdard, University of Hyderabad and other universities for pursuing M.Sc. in Biochemistry.

## **6. What are the career options available for the students after doing Biochemistry degree?**

The course is basically designed to prepare students for a career in research. The most logical progression is a Master's program followed by a Ph.D. degree, however, avenues for openings in the industry can be explored by students as well after completing graduation.

After completing higher study, biochemistry students can find job opportunities in the following sectors:

### **Employment Areas**

- Agriculture Sector
- Analytical Biochemistry
- Biotechnology Companies
- Food Processing Industry
- Health and Diseases Centers
- Industrial Biochemistry Units
- Pharmaceutical Companies
- Colleges & Universities
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### **Probable Job Types**

- Academician
- Biochemistry Demonstrator
- Biochemistry Teacher/Tutor
- Medical Content Writer
- Scientist in research organizations

## **7. Can I get job immediately after my graduation in B.Sc. (H) Biochemistry program?**

On successful completion of under graduate program in Biochemistry, graduates will be able to work as technicians in clinical/research laboratories or in the medical diagnostics. However, better options for the job are available only after higher study. Since this is a research oriented program, we encourage students to undertake higher studies after their graduation for better career opportunities.

## **8. Are students exposed to research environment during their under graduate program in Biochemistry?**

Research is an important part of Biochemistry program. Students are encouraged to undertake small In-house hands-on Research Projects during their under graduate studies, which are facilitated by the department. Students are exposed to other scientific activities

such Lectures from eminent Scientists and various educational trips/Industry visit, all leading to increasing exposure towards research.

**9. How to register for admission to undergraduate course in Biochemistry in University of Delhi?**

Students may register online for all undergraduate courses through the admission portal URL <https://admission.uod.ac.in/> and follow the admission procedure.