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Bachelor of Science Honours (B.Sc. Hons.) Biochemistry

The course is divided into six semesters, each covering a different subject. This degree offers you the opportunity to get a broad knowledge of all areas of biochemistry and its applications. This degree is designed for undergraduates with a strong interest in biology. In addition to its theoretical basis, it also focuses on practical work and research. This programme will prepare you for the next step in your education - a PhD.After completing the first two years, you'll be able to choose a career in research or development or pursue higher studies.

During the first two years, students will learn the core modules of Biochemistry. In addition, you'll also take additional modules if you wish to specialise in one area. The third year will cover more specialised modules and will prepare you for the Honours degree. This allows you to develop a broad knowledge of biochemistry while improving your skills in presentation and IT.

Benefits of B.Sc. Honours in Biochemistry

A B.Sc. Honours in biochemistry emphasis is a great choice for students interested in a career in biology or a career in science. This program is accredited by the Royal Society of Biology, and students can earn associate membership in the society. Biochemistry is an exciting field to study as it combines a love of science and chemistry. You will learn about the chemical processes of living organisms and how they interact.

During your course, you will study cell communication, genetics, and the interaction of molecules. You will also gain a broad foundation in the biosciences, and in your final year, you can select optional units and choose your own research project. BSc students will gain a strong grounding in the fundamental processes of life. You will study the interactions between living







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[MS] General
Surgery

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Master of Scienece (M.Sc.) Nursing

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organisms, including DNA, RNA, and proteins. You will also explore biodiversity, neuroscience, and virology. Your studies will focus on your employability, and you'll be well equipped for a career in the medical, pharmaceutical, or biotechnology sectors.

Eligibility for B.Sc. Honours in Biochemistry

The candidates must have completed their 10+2 from a recognized board. They must have a minimum aggregate marks of 50% in order to be eligible for the program.

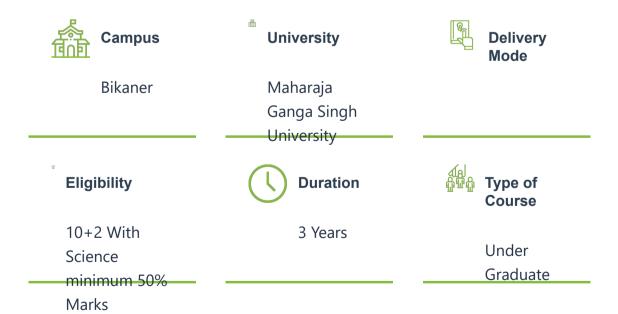
Career Opportunities and Job Prospects of B.Sc. Honours in Biochemistry

There are a variety of career options available for people with a bachelor's degree in biochemistry. Most graduates enter the private sector or research labs and eventually go on to work in the pharmaceutical industry or biotechnology. Other job options include teaching and lecturing, the public health sector, and pharmaceutical companies. Those who pursue higher degrees often choose to become researchers or professors. While many employers accept applications from graduates with any subject, a biochemistry degree has an advantage. Graduates develop technical and practical skills through lab work and a final-year research project.

This can lead to a technical or research-oriented position, which is increasingly important for today's economy. Moreover, many employers offer summer internships to biochemistry students, which can help them get their foot in the door and build a network of contacts. After earning your bachelor's degree, graduates of biochemistry can pursue a variety of jobs. These jobs can range from research to teaching and many of them require extensive experience. Other job sectors that are relevant to the field of biochemistry include the pharmaceutical industry, the intellectual property office, and healthcare industries.

Course duration and Fee details of B.Sc. Honours in Biochemistry

The B.Sc Honours in Biochemistry is a three year degree program. The average fees for the completion of program are between 11K to 325K, or it may vary from college to college.



Syllabus of Bachelor of Science Honours (B.Sc. Hons.) Biochemistry

1 Year OR 1st & 2nd Semester Syllabus of B.Sc Hons. Biochemistry

S.no Subjects



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Diploma in Hotel
Management Front
Office Operation

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Bachelor of
Science (B.Sc.)
Hospitality and
Hotel
Administration

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BBA (Finance)

APPLY NOW



MBA (Entrepreneurship)

APPLY NOW



MBA (Information Technology)

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Master of
Pharmacy
(M.Pharm.)
Pharmacognosy

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Post Graduate
Diploma in
Management
(PGDM)

APPLY NOW



Post Graduate
Diploma in
Management
(PGDM)

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1	Basic Chemistry
2	Basic Microbiology
3	Cell Biology
4	Introduction to BioMolecules
5	Technical Biochemistry
6	Proteins
7	Enzymes
8	Inorganic & Physical Chemistry
9	Stereochemistry
10	Microbial Technology
11	Nutritional Biochemistry

2nd Year OR 3rd & 4th Semester Syllabus of B.Sc Hons. Biochemistry

S.No	Subjects
1	Metabolism of Carbohydrates and Lipids
2	Metabolism of Carbohydrates and Lipids
3	Membrane Biology and Bioenergetics
4	Hormone: Biochemistry and Function
5	Gene Organization, Replication, and Repair

3 Year OR 5th & 6th Semester Syllabus of B.Sc Hons. Biochemistry

S.no	Subjects
1	Concepts in Genetics
2	Gene Expression and Regulation
3	Genetic Engineering and Biotechnology
4	Immunology
5	Practical

Maharaja Ganga Singh University Highlights

Established in	2003
University Type	State University
Recognized by	UGC , AIU , NAAC , NCTE , BCI ,



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Master of Science (M.Sc.) Medical Anatomy

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Master of Law (LLM)

APPLY NOW



Master of Arts
(MA) Journalism &
Mass
Communication

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<u>Diploma in</u> <u>Animation</u>

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Master of
Veterinary Science
(M.V.Sc) in Animal
Biochemistry

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Master of
Veterinary Science
(M.V.Sc) in
Veterinary
Medicine

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Students also visited



All India Institute
Of Medical
Sciences Jodhpur,
Jodhpur...



Sawai Man Singh Medical College Jaipur, Jaipur...



Indian Institute of Information
Technology Kota,
Kota...



Mahaveer College of Commerce, Jaipur, Jaipur...



College
Hospita

Administration,
Jaipur, Jaipur...