

## Brochure

# BSC - BIOTECHNOLOGY, BIOCHEMISTRY, MICROBIOLOGY COURSE / PROGRAM



# **BSC - BIOTECHNOLOGY, BIOCHEMISTRY, MICROBIOLOGY COURSE / PROGRAM**



## **COURSE DURATION**

Bachelor of Science in **Biotechnology, Biochemistry, Microbiology** is a full-time four-year Undergraduate Honors degree course. (4 YEARS)

## OVERVIEW

The Bachelor of Science course in Biotechnology, Biochemistry, Microbiology facilitates the student to understand the fundamental concepts of Microorganisms, Biochemical aspects, and cutting edge aspects of Biotechnology.



The Bachelor of Science course in Biotechnology, Biochemistry, Microbiology is a science course which provides a strong foundation in biotechnology, biomolecular & cellular processes, fundamental chemical and biochemical sciences, biostatistics, bioinformatics, immunology, genetics and encompassing the study of bacteria, algae, protozoa, fungi, and viruses in terms of their ecology, biochemistry, physiology, genetics, and role in disease processes of particular interest, the use of microbes in industrial applications for the production of foods and natural products, such as vitamins, as well as their rapidly expanding role in biotechnology and genetic engineering studies.

## ELIGIBILITY

- The candidates who have completed their 10+2 or any other equivalent examination in biology and chemistry as the main subjects are eligible to pursue this course.
- The candidates should have obtained at least 50% aggregate marks.



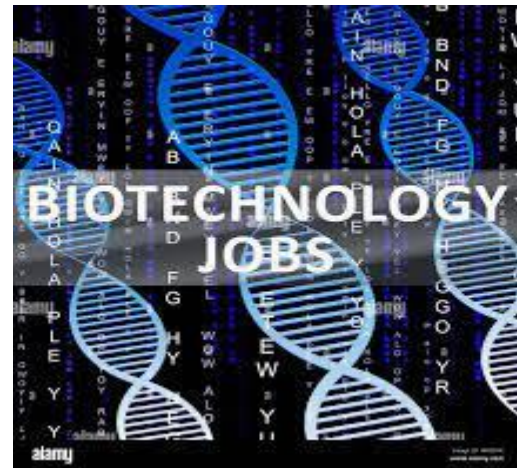
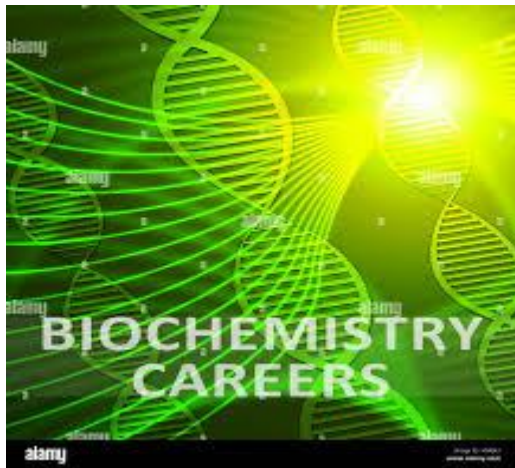
## ADVANCED COURSES

These are encouraging times to pursue other courses after BSc Biotechnology, Biochemistry, Microbiology which has **fastest-growing disciplines in the biological sciences**

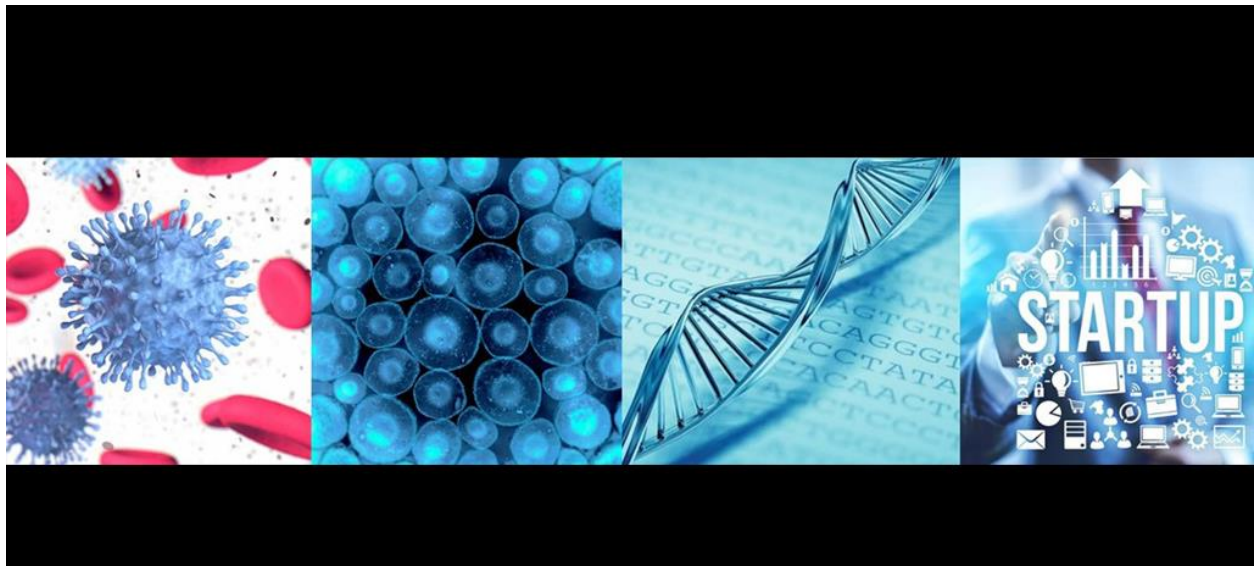
- MSc in Microbiology
- MSc in Biochemistry
- MSc in Biotechnology
- MSc in Biotechnology & Management
- MSc in Molecular Biotechnology
- MSc in Industrial Biotechnology
- MSc in Plant Sciences
- MSc in Toxicology
- MSc in Botany
- MSc in Cell Biology
- MSc in Applied Biology
- MSc in Molecular Biology
- MSc in Life Sciences
- MSc in Animal Biotechnology
- MSc in Digital Health
- MSc in Bioinformatics
- MSc in Biomedical Informatics
- MSc in Molecular Medicines
- MSc in Forensic Science
- MSc in Molecular Biosciences
- MSc in Nanotechnology
- MSc in Biopharmaceutical Development
- MSc in Food Technology
- PhD in various streams

## CAREER SCOPE / EMPLOYMENT AREAS / JOB DOMAINS

There is an immense career scope in the field of biochemistry, microbiology and biotechnology. Since the beginning of the pandemic, there has been an increase in the focus and demand of the science stream, especially in the specializations such as microbiology and biotechnology. The fields that are allied with medical sciences are involved in finding a solution to a global problem are highly demanded.



- Government & Private Sector
- Environmental Organizations
- Forensic Science Laboratories Industry - Food and Drink, Pharmaceuticals, Toiletries, Water, and Biotechnology Companies
- Healthcare Organizations
- Higher Education Institutions
- Publicly Funded Research Organizations
- Teaching
- Epidemiology
- Laboratory
- Manufacturing and Production
- Bacteriology
- Genetics
- Mycology
- Medical allied activities



## CAREER OPPORTUNITIES



Students who enter the field of biotechnology or microbiology or biochemistry have quick opportunities to progress to higher positions or to take swift jumps to jobs that pay better in the same field, but different roles. Students will always have plenty of opportunities and fair pay in these fields.

- Bio-Technologist
- Biochemist
- Microbiologist
- Chemist
- Geneticist
- Laboratory Assistant / technician
- Researcher



- Project manager
- Teacher / Lecturer / Professor
- Microbiologists
- Epidemiologists
- Bioproduction Operators
- Biomanufacturing Specialists
- Bacteriologists
- Industrial Microbiologists
- Medical Microbiologists
- Medical Biochemist
- Biomedical Scientist



*All the best!*

