

COURSES OFFERED

All the degree programmes offered by the Department are based on UGC CBCS System and on their academic requirements are spelt out as a number of subject credits. Programs are structured in such a way that a student will be able to finish the programme in a stipulated number of semesters.

Duration	Course Offered	Eligibility
3 Yrs	B.Sc. Hons (Biotechnology)	Passed 10+2 with PCB/Biotech or equivalent examination with Minimum 45% (40% for Reserved categories)
4 Yrs	B.Tech. (Biotechnology)	Passed 10+2 with PCM/PCB/Biotech or equivalent examination with Minimum 45% (40% for Reserved categories)
2 Yrs	M.Sc. 1. Biotechnology 2. Microbiology 3. Bioinformatics	Graduation in relevant subject or Suitable combination with minimum of 45% Marks (40% for reserved categories)
2 Yrs	M.Tech. (Biotechnology)	BE/B.Tech. in relevant branch or Equivalent or M.Sc. in Biotech/ Microbiology/Genetics/ Biochemistry or equivalent with minimum of 50% Marks (45% for reserved categories)s
As per University PhD Ordinance	Ph.D.	M.Sc. in Biotechnology or allied sciences

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The backbone of the department is the academic intellectual sense provided by a dedicated faculty and students coming from all across the country. The Department has a strong base in Microbial technology and Plant Biotechnology and the main focus of the program is on Genetics, Molecular Biology, Industrial Microbiology, Immunology, Bioinformatics, Biochemistry and other contemporary areas allied to Microbiology and Biotechnology. Basic training is given in Microbiology, Biochemistry, Genetics, Developmental Biology, Genetic Engineering, Biochemical Engineering and some aspects of Biophysics, Biostatistics, Environmental Biology, Bioinformatics, and Genetic Engineering. Biotechnology is an interdisciplinary program with life sciences, chemical engineering and bioprocesses. The students are educated with the industrial processes which evolve into byproducts using chemical engineering tools to design process equipments and optimize for effective production

The curriculum explains the use of living cells in bioprocesses along with their biochemical properties to be engineered in life sciences papers. The Department of Biotechnology offers a two years Post Graduate program leading to the Master of Science (M.Sc.) in Biotechnology, three years B.Sc. (Honors) Biotechnology, four years B. Tech Biotechnology and two years M.Tech in Biotechnology. The all programme begin with fundamental courses in Biochemistry, Genetics, Microbiology and Molecular Biology and then proceed to a thorough study of their selected area of specialization. The Department also offers PhD in Biotechnology.