

Bachelor of Science in Biotechnology (B.Sc. Biotech.)

Course Overview:

B.Sc. Biotechnology is a three year course affiliated from Dr. Bhimrao Ambedkar University, Agra. It is a dynamic and future-focused undergraduate program that integrates biological sciences with modern technology to solve real-world challenges in healthcare, agriculture, industry, and the environment. Spanning three years, the course offers a robust blend of theoretical concepts and practical knowledge. Students are empowered through lab-based learning, research projects, seminars, and industrial exposure, fostering critical thinking and innovation. This program lays a strong foundation for both advanced academic pursuits and professional success in the thriving biotech sector.

Eligibility Criteria:

- Candidates must have completed 10+2 with Biology with a minimum of 50% aggregate marks.
- Relaxations in marks and reservations are applicable as per government norms.

Course Structure:

- **Year I: Cell Biology, Biochemistry, Bioinformatics, Botany, Chemistry**
- **Year II: Molecular Biology, Immunology, Genetics, Microbiology, Botany, Chemistry**
- **Year III: Genetic Engineering, Plant and Animal Biotechnology**



Distinctive Features:

- State-of-the-art laboratories and experiential learning
- Interdisciplinary and research-driven curriculum
- Regular guest lectures, workshops, and industrial visits
- Strong mentorship and academic support system

Career Opportunities:

- Biotechnology firms
- pharmaceutical industries
- R&D labs
- Environmental agencies & academia.
- Clinical trials, quality control and regulatory affairs.
- Healthcare diagnostics
- Genetic testing
- Biomedical instrumentation
- Agricultural innovation
- Food industry, fermentation technology and food safety.

