

## B. Sc. (Biotechnology)

### Eligibility

- A candidate for being eligible for admission to the Degree course in B.Sc. shall have passed XII std. Examination of the Maharashtra Board of Higher Education or its equivalent with mathematics as one of the subjects.

Every candidate admitted to the degree course in the constituent/affiliated/recognised institution conducting the course, shall have to register himself/herself with the University.

### Passing Standards

- The passing standards and ATKT rules will be same as for other subjects offered at the B.Sc. degree examinations.

Bachelor of Science (B.Sc.) Degree course with Biotechnology will have same as anyone of the other subject that are offered at the B. Sc. degree course.

### Fees Structure

	<b>F.Y.</b>	<b>S.Y.</b>	<b>T.Y.</b>
<b>Total</b>	<b>13,900</b>	<b>15,480</b>	<b>16,850</b>

### ◀ Courses Structure

No.	SEMESTER-I	No.	SEMESTER-II
1	<b>Basic Chemistry -- I</b>	1	<b>Chemistry-- I : Bioorganic Chemistry</b>
2	<b>Basic Chemistry -- II</b>	2	<b>Chemistry-- II : Physical Chemistry</b>
3	<b>Basic Life Sciences-- I : Biodiversity and Cell Biology</b>	3	<b>Life Sciences-- I : Physiology and Ecology</b>
4	<b>Basic Life Sciences -- II : Microbial Techniques</b>	4	<b>Life Science -- II : Genetics</b>
5	<b>Basic Biotechnology-- I : Introduction to Biotechnology</b>	5	<b>Biotechnology-- I : Tissue Culture &amp; Scientific Writing and Communication Skills</b>
6	<b>Basic Biotechnology-- II : Molecular Biology</b>	6	<b>Biotechnology-- II : Enzymology, Immunology and Biostatistics</b>
7	<b>Societal Awareness</b>	7	<b>Globalization, Ecology and Sustainable Development</b>

	Third Semester
USFC301	Foundation Course - III
USBT301	Biotechnology – I (Immunology and Medical Biotechnology)
USBT302	Biotechnology – II (Biochemistry)
USBT303	Biotechnology – III (Genetics and Molecular Biology)
USBTP3	Biotechnology Practical
USCH301	Chemistry – I (Physical and Analytical Chemistry)
USCH302	Chemistry – II (Inorganic and Organic Chemistry)

USCH303	Chemistry – III (Environmental Chemistry)
USCHP3	Chemistry Practical
	Fourth Semester
USFC401	Foundation Course - IV
USBT401	Biotechnology – I (Instrumentation and fermentation Technology)
USBT402	Biotechnology – II (Ecology and Environmental Biotechnology)
USBT403	Biotechnology – III (Molecular Biology and Instrumentation)
USBTP4	Biotechnology Practical
USCH401	Chemistry – I (Physical and Analytical Chemistry)
USCH402	Chemistry – II (Inorganic and Organic Chemistry)
USCH403	Chemistry – III (Environmental Chemistry)
USCHP4	Chemistry Practical

No.	SEMESTER-V		No.	SEMESTER-VI
1	<b>Cell Biology and Medical Biotechnology</b>		1	<b>Cell biology and Medical Biotechnology</b>
2	<b>Biochemistry, Immunology and Instrumentation</b>		2	<b>Biochemistry, Immunology and Instrumentation</b>
3	<b>Genetics and Molecular Biology</b>		3	<b>Molecular Biology and Bioinformatics</b>
4	<b>Industrial Biotechnology</b>		4	<b>Industrial Biotechnology</b>