

BACHELOR OF TECHNOLOGY
BIOTECHNOLOGY
THIRD YEAR (SIXTH SEMESTER)
W.E.F. ADMISSION BATCH 2023-24

Sl. No.	Category	Course Code	Course	Contact Hrs. L-T-P	Credit	University Marks	Internal Evaluation
Subject (Theory)							
1	PC	BTPC3004	Bio Process Engineering - II (Downstream Processing)	3-0-0	3	100	50
2	PC	BTPC3005	Omics Tools and Techniques	3-0-0	3	100	50
3	PE	BTPE3005	Plant Biotechnology	3-0-0	3	100	50
		BTPE3006	Animal Biotechnology				
		BTPE3007	Environmental Biotechnology				
		BTPE3008	Marine Biotechnology				
		-	-				
		-	-				
4	PE	BTPE3009	Bioreactor Design and Analysis	3-0-0	3	100	50
		BTPE3010	Tissue Engineering				
		BTPE3011	Molecular Modelling and Drug Designing				
		BTPE3012	Protein Engineering				
		-	-				
		-	-				
5	HS	HSHS3002	Entrepreneurship Development	3-0-0	2	100	50
		HSHS3001	Business Management				
6	MC	MCMC3002	Industrial Safety Engineering	3-0-0	2	100	50
		MCMC3001	Environmental Engineering				
Subject (Sessional / Practical)							
7	PSI	CSPS3202	Project for Product Development - I	0-0-6	3	-	100
8	PC	BTPC3204	Bio Process Engineering - II (Downstream Processing) Laboratory	0-0-3	1.5	-	100
9	PC	BTPC3205	Omics Tools and Techniques Laboratory	0-0-3	1.5	-	100
Total				18-0-12	22	600	600

NB : Minimum 4 weeks of Summer Internship and Research Experience-II (SIRE-II) after 6th Semester during the vacation.

[Click here to view/download the syllabus of the subjects.](#)

**BACHELOR OF TECHNOLOGY
BIOTECHNOLOGY
THIRD YEAR (FIFTH SEMESTER)
W.E.F. ADMISSION BATCH 2023-24**

Sl. No.	Category	Course Code	Course	Contact Hrs. L-T-P	Credit	University Marks	Internal Evaluation
Subject (Theory)							
1	PC	BTPC3001	Bio Process Engineering - I (Upstream Processing)	3-0-0	3	100	50
2	PC	BTPC3002	Genetic Engineering	3-0-0	3	100	50
3	PC	BTPC3003	Immuno-Biology and Immunotechnology	3-0-0	3	100	50
4	PE	BTPE3001	Functional Genomics	3-0-0	3	100	50
		BTPE3002	Nano Biotechnology				
		BTPE3003	Food Process Engineering				
		BTPE3004	Green Technology				
		-	-				
		-	-				
5	HS	HSHS3001	Business Management	3-0-0	2	100	50
		HSHS3002	Entrepreneurship Development				
6	MC	MCMC3001	Environmental Engineering	3-0-0	2	100	50
		MCMC3002	Industrial Safety Engineering				
Subject (Sessional / Practical)							
7	PC	BTPC3201	Bio Process Engineering - I (Upstream Processing) Laboratory	0-0-3	1.5	-	100
8	PC	BTPC3202	Genetic Engineering Laboratory	0-0-3	1.5	-	100
9	PC	BTPC3203	Immuno-Biology and Immunotechnology Laboratory	0-0-3	1.5	-	100
10	PSI	BTPS3201	Seminar on SIRE - I	0-0-3	1.5	-	100
Total				18-0-12	22	600	700

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