

Integral University
Study & Evaluation Scheme
B.Tech Biotechnology Program
Third Year
Semester 5
(w.e.f session 2025-2026)

S. No.	Course	Course Code	Category	Periods				Evaluation Scheme									Attributes						United Nations Sustainable Development		
								Sessional (CA)				End Sem Exam (ESE)			Subject Total	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	Goals (SDGs)		
				L	T	P	C	CT		TA		Total	TE	PE										Total	
								Th	P	Th	P														
1	Biophysical Techniques	BE301	PCC	3	0	0	3	50	0	25	0	75	75	0	75	150	√	√	√						3,8,9
2	Bioprocess Engineering	BE302	PCC	3	0	4	5	50	15	25	10	100	75	25	100	200	√	√	√						4,9,11,12
3	Genetic Engineering	BE303	PCC	3	0	4	5	50	15	25	10	100	75	25	100	200	√	√	√						2,3
4	Elective	Elective-3	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150									
5	Internship I	BE310	IPC	0	0	2	1	0	0	0	50	50	0	0	0	50	√	√	√				√		8,9
6	MOOCs Course		OEC	3	0	0	3	25	0	0	0	25	75	0	75	100	√	√	√						
				15	0	10	20	225	30	100	70	425	375	50	425	850									

Departmental Elective 3	Plant Molecular Biology	BE-304	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150	√		√						4
	Biostatistics	BE-305	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150	√	√	√						4,8
	Principles of Biochemical	BE-306	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150	√	√	√						4,7,9

L - Lecture T - Tutorial P - Practical C - Credits CT - Class Test TA - Teacher Assessment Th - Theory TE - Theory Exam PE - Practical Exam

Sessional Total (CA = Class Test (CT) + Teacher Assessment (TA))

Subject Total (CA) = Sessional Total (CA) + End Semester Examination (ESE)

BSC	Basic Science Courses
PCC	Professional Core Courses
ESC	Engineering Science Courses
PEC	Professional Elective Courses
OEC	Open Elective Courses
HSSM	Humanities, Social Sciences & Management Courses
IPC	Internship/ Project Courses
MC	Mandatory Course

* Audit Course

Integral University
Study & Evaluation Scheme
B.Tech Biotechnology Program
Third Year
Semester 6
(w.e.f session 2025-2026)

S. No.	Course	Course Code	Category	Periods				Evaluation Scheme									Attributes							United Nations Sustainable Development			
								Sessional (CA)					End Sem Exam (ESE)				Subject Total	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics	Goals (SDGs)	
				CT		TA			Total	TE	PE	Total															
				L	T	P	C	Th					P	Th	P												
1	Cheminformatics & Medicinal Chemistry	BE321	PCC	3	0	2	4	50	15	25	10	100	75	25	100	200	✓	✓	✓							3,4,9,17	
2	Animal and Plant Biotechnology	BE322	PCC	4	0	4	6	50	15	25	10	100	75	25	100	200	✓	✓	✓							2,3,4, 9,15	
3	Fermentation Biotechnology	BE323	PCC	3	0	2	4	50	15	25	10	100	75	25	100	200	✓	✓	✓							2,3,4,8,9,12,15	
4	Career Development and Soft Skills	CG303	MC	3	0	0	0	0	0	0	0	0	100	0	100	100	✓		✓					✓		8,9	
5	Elective-4	Elective	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150											
6	Mini Project Biotechnology	BE330	IPC	0	0	4	2	0	0	0	50	50	0	50	50	100	✓	✓	✓					✓		8,9	
				16	0	12	19	200	45	100	80	425	400	125	525	950											
Departmental Elective 4	Plant Genomics	BE324	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150	✓	✓	✓							2,3,4,14,15	
	Medical Biotechnology	BE325	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150	✓	✓	✓							3	
	Down Stream Processing	BE326	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150	✓	✓	✓							3,8,9,11	

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