

Integral University
Study & Evaluation Scheme
B.Tech Biomedical Engineering 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 Goals (SDGs)			
								Sessional (CA)					End Sem Exam (ESE)					Subject Total	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics		
				CT		TA			Total	TE	PE	Total																
				L	T	P	C	Th					P	Th	P													
1	Microprocessor System in Medicine	EC346	PCC	3	0	2	4	50	15	25	10	100	75	25	100	200	✓	✓	✓									3,8,9,17
2	Bio-Control Systems	EC347	PCC	2	1	0	3	50	0	25	0	75	75	0	75	150	✓	✓	✓									3,8,9,17
3	Biomedical Signal Processing	EC348	PCC	3	0	2	4	50	15	25	10	100	75	25	100	200	✓	✓	✓									3,8,9,17
4	Hospital Management	BE377	PCC	2	1	0	3	50	0	25	0	75	75	0	75	150	✓	✓	✓	✓	✓	✓	✓					3,8,9,17
5	Therapeutic Equipments	BE378	PCC	3	0	2	4	50	15	25	10	100	75	25	100	200	✓	✓	✓									3,8,9,17
6	Elective-III	Elective	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150												
7	Internship I	BE310	IPC	0	0	2	1	0	0	0	50	50	0	0	0	50	✓	✓	✓						✓		8,9	
8	MOOCs Course		OEC	3	0	0	3	25	0	0	0	25	75	0	75	100	✓	✓	✓									
				19	2	8	25	325	45	150	80	600	525	75	600	1200												
Departmental Elective 3	Communication Systems	EC386	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150	✓	✓	✓									3,8,9,17
	VLSI & Embedded System	EC387	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150	✓	✓	✓									3,8,9,17

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)

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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 Biomedical Engineering 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	European curricula	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics
				CT		TA		Total	TE	PE	Total														
				L	T	P	C					Th	P	Th	P										
1	Biomedical Hazards & Safety	BE386	PCC	3	1	0	4	50	0	25	0	75	75	0	75	150	✓	✓	✓			✓	✓	3,8,9,17	
2	Design Concept & Maintenance of Biomedical Instruments	BE387	PCC	3	1	0	4	50	0	25	0	75	75	0	75	150	✓	✓	✓	✓	✓	✓	✓	3,8,9,17	
3	Biomedical Applications of Embedded System	BE388	PCC	3	0	0	3	50	0	25	0	75	75	0	75	150	✓	✓	✓					3,8,9,17	
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-IV	Elective	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150									
6	Elective-V	Elective	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150									
7	Mini Project Biomedical Engineering	BE389	IPC	0	0	4	2	0	0	0	50	50	0	50	50	100	✓	✓	✓				✓	8,9	
				18	2	4	19	250	0	125	50	425	475	50	525	950									
Departmental Elective 4	Electrical & Electronic Measurement and Instrumentation	EC388	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150	✓	✓	✓					3,8,9,17	
	Control Engineering	EC389	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150	✓	✓	✓					3,8,9,17	
Departmental Elective 5	Invasive and non-invasive diagnostic technique	BE395	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150	✓	✓	✓					3,8,9,17	
	Tissue Engineering	BE396	PEC	3	0	0	3	50	0	25	0	75	75	0	75	150	✓	✓	✓					3,8,9,17	

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