



INSTITUTE OF BIOSCIENCES & TECHNOLOGY

COURSE LAY OUT FOR GRADUATE DEGREE PROGRAM

UG Programs: B.Tech. (All Degree Program)

(Biotechnology, Biomedical Engineering & Food Processing Technology)

Summary of Credit Load Layout

Sr. No.	Courses	Credits	Credits (%)
1.	Major Courses		
a.	Core Courses	81-86	48.25
b.	BRP (Micro, Mini, Major, Big Idea)	32-33	18.89
c.	Seminar (Subject Based Seminar: III, IV & V & Research Paper Based Seminar VI, VII & VIII)	06	3.4
d.	Academic Tutorial	12	6.97
	Total Major courses Credits	133.5	77.32
2	Minor Courses	31.5	18.31
3	Supportive Courses		
a.	Open Elective Courses	05	2.90
b.	Certificate Language Courses [only one Foreign Language (Chinese, Japanese, German, French)]	02	1.16
	Total Supportive Courses Credits	07	4.06
	Total Credits	172	100
4	Audit (Non Credit Courses)	11	-
	Grand Total Credits	183	-

***BRP:** Bachelors Research Program (Note 3 courses: 1.a.- 81+ 85+86 b. 32+33+33 2.- 28+30+33)

Credit Load Layout

Semester	Course credit details							Total	Audit (NC)	Grand Total Credits
	Major				Minor	Supportive				
	Core	BRP	Seminar	Academic Tutorial		OEC	Certificate			
I	12	2	0	2	4	0	0	20	5	25
II	14	2	0	2	4	0	0	22	2	24
III	12-13	3	1	2	4-5	0	0	23	4	27
IV	12-13	3	1	2	4-5	0	0	23	0	23
V	9-11	2	1	2	4-6	0	2	22	0	22
VI	10-12	3	1	2	4-6	2	0	24	0	24
VII	8-9	7	1	0	2-3	3	0	22	0	22
VIII	2-3	10-11	1	0	2	0	0	16	0	16
Total Credits	83	32.5	6	12	31.5	5	2	172	11	183

*Subject Based Seminar:III, IV & V & Research Paper Based Seminar: VI, VII & VIII, *Supportive Certificate Course: Choose Two Foreign Languages (Chinese, Japanese, German, French)

Justification of the Supportive course (OEC and Certificate course):

- Open Elective Course (OEC):** Compulsory courses for semester VI, VII
- Certificate Course** Choose only one Foreign Languages (Chinese, Japanese, German, French etc.) in V Semester. The Certificate course should be of 45 hours / Semester. It should be mentioned in Course layout. It is compulsory course during the degree program.

Justification of the BRP (Bachelors Research Program): its research theme throughout the UG degree program i.e. Micro projects, Mini projects, Major projects, Big Idea projects (I to VIII). The details mentioned in course layout