

Scheme of Studies for Bachelor (4 Years) in Biomedical Engineering

Semester I					
S. No.	Code	Course Title	Theory	Lab	Combined
1	MTH121	Applied Physics	3	1	4
2	CS123	Introduction to Computers	2	1	3
3	MTH106	Functional English	3	0	3
4	MTH122	Basic Mathematics	3	0	3
	MTH123	Basic Biology	3	0	3
5	BM101	Introduction to Biomedical Engineering	2	0	2
6	MTH105	Islamic Studies	2	0	2
Total Semester Credit Hours			15	2	17
Semester II					
S. No.	Code	Course Title	Theory	Lab	Combined
7	ES104	Basic Electronics	3	1	4
8	MTH124	Calculus & Analytical Geometry	3	0	3
9	BM102	Physiology I	2	1	3
10	ES105	Circuit Analysis	3	1	4
11	MTH107	Communication Skills	2	0	2
12	ES210	Computer Aided Engineering Design	0	1	1
Total Semester Credit Hours			13	4	17
Semester III					
S. No.	Code	Course Title	Theory	Lab	Combined
13	MTH103	Differential Equations and Fourier Series	3	0	3
14	BM201	Physiology II	2	1	3
15	ES208	Digital Logic Design	3	1	4
16	MTH104	Pakistan Studies	2	0	2
17	BM202	Human Anatomy	2	1	3
18	MTH221	Object Oriented Programming	2	1	3
Total Semester Credit Hours			14	4	18
Semester IV					
S. No.	Code	Course Title	Theory	Lab	Combined
19	BM203	Biomedical Electronics	3	1	4
20	BM204	Biochemistry	2	1	3