



M.Sc. PROPOSAL FOR BIOMEDICAL ENGINEERING
(Revised 2023)



DEPARTMENT OF BIOMEDICAL ENGINEERING
UNIVERSITY OF ENGINEERING AND TECHNOLOGY, LAHORE,
NEW CAMPUS

Curriculum of Program

Duration: 1.5 years

Number of semesters: 3

Number of weeks per semester: 16-18 (16 for teaching and 2 for examinations)

Total number of credit hours: 30

Roadmap: Students will study mandatory courses in the first two semesters. In 3rd semester, they will take thesis. It is pertinent to mention that students can take Non-thesis-option upon approval from Post Graduate Research Committee.

- Thesis option: 8 courses (24 credit hours) + thesis (6 credit hours).
- Non-thesis option: 10 courses (30 credit hours)

Current semester wise study plan:

Sr. No.	Semester	Thesis Track		Non-thesis Track	
1	Semester 1	1	Advanced Biomedical Instrumentation (3+0)	1	Advanced Biomedical Instrumentation (3+0)
		2	Advanced Molecular Biology (3+0)	2	Advanced Molecular Biology (3+0)
		3	Advanced Biomedical Materials Engineering (3+0)	3	Advanced Biomedical Materials Engineering (3+0)
		4	Elective 1(3+0)	4	Elective 1 (3+0)
2	Semester 2	1	Biomedical Signals and Image Processing (3+0)	1	Biomedical Signals and Image Processing (3+0)
		2	Elective 2 (3+0)	2	Elective 2 (3+0)
		3	Elective 3 (3+0)	3	Elective 3 (3+0)
		4	Elective 4 (3+0)	4	Elective 4 (3+0)
3	Semester 3	1	Thesis (6+0)	1	Elective 5 (3+0)
		2	-	2	Elective 6 (3+0)
Total Credit Hours		30		30	

* Students coming from the background of Biomedical Engineering, Electrical Engineering, Computer Engineering, Mechanical Engineering and Electronic Engineering.