

M.Tech Biomedical Engineering		
Semester 1		
Course no	Course name	Credits
BM 5013	Sensors and Transducers in Health care	2
BM 5023	Biomedical Devices	2
BM 5030	Scientific Computing	1
BM 5040	Biomechanics	1
BM 5050	Introduction to Brain and Neuroscience	1
BM 5060	Cellular Physiology	0.5
BM 5070	Systems Physiology	1.5
BM 6136	Clinical Health Care	1
BM 5090	Biomaterials: Materials in Medicine	2
BM xxxx	Elective 1	1
BM xxxx	Elective 2	2
BM xxxx	Elective 3	3
Semester 2		
Course no	Course name	Credits
BM 6013	Advances in Molecular Imaging	1
BM 6023	Cell Technology	2
BM 6146	Clinical Immersion	1
BM 6086	Seminars in Biomedical Engg.	1
BM 6125	Independent Research Proposal	2
BM 6060	Digital Signal Processing	1
BM xxxx	Elective 1	2
BM xxxx	Elective 2	2
BM xxxx	Elective 3	3
Semester 3		
Course no	Course name	Credits
BM 5105	Thesis Stage 1	15
Semester 4		
Course no	Course name	Credits
BM 6105	Thesis Stage 2	15
Total Credits		60

List of Electives

Course no	Course name	Credits
BM 5110	Lab on Chip	1
BM 5120	Mathematical Methods for Engineers	3
BM 5130	Computational Methods for Engineers	3
BM 5141	Advanced biomaterials	1
BM 5150	Digital Signal Processing	2
BM 6070	Biomicrofluidics	2
BM 6080	Biomechanics	2
BM 6090	Biomedical Imaging	2
BM 6110	Nanomedicine	2
BM 6120	Tissue Engineering	2
BM 6126	Regenerative Medicine	1
BM 6130	Principles of Engg. in Biodesign	1
BM 6140	Theoretical and computational Neuroscience	2
BM 6150	Mathematical modeling and Physiology	2