

Degree Requirements					
Faculty of Public Health - Biomedical Technology					
Code		Title	Cr	Pre-requisite	Co-requisite
General Requirements			13		
ENG	210	Medical English	3		
ENG	410	Methodology of Research and Documentation	3		
LAW	210	Introduction to Labor Law	2		
TQM	315	Quality Management and Accreditation in Biomedical *	5		
Science Requirements			44		
BIO	210	Human Organism Anatomy and Pathology	5		
BIO	329	Bacteria in Biomedical instruments	2		
CSC	220	Programming I	5		
CSC	230	Programming II	5	CSC220	
MTH	210	General Mathematics	5		
MTH	230	Vectorial Calculus	5	MTH210	
MTH	250	Advanced Analysis	5	MTH210	
PHY	212	Optical Physics	3		
PHY	220	Mechanical Physics	3		
PHY	311	Magnetostatic	3	MTH230	
PHY	410	Actuators and Sensors	3		
Biomedical Requirements			50		
BMD	250	Biomedical Instrumentation I *	3		
BMD	301	Biomedical Instrumentation II *	3		
BMD	310	Principles of Xray and CT Scan *	5		
BMD	315	Laboratory Equipment Devices *	3		
BMD	320	Principles of MRI *	5	PHY311/PHY310	
BMD	325	Image Processing Techniques *	3		
BMD	340	Biomedical Technologies Internship I *	2		
BMD	410	Biomedical Technologies Internship II *	2		
BMD	420	Biomedical Technologies Internship III *	3		
BMD	425	Introduction to Electrophysiology Devices *	3		
BMD	430	Biomedical Technologies Internship IV *	3		
BMD	435	Networking Infrastructure and System Configuration *	5		
BMD	498	Senior Project - Biomedical Technologies*	10	ENG410	
Electronic Requirements			60		
ELE	200	Introduction to Electric Circuits	5		
ELE	210	Basic Electronics	5	ELE 200	
ELE	220	Logic Circuits Design	5		
ELE	251	Electronics Laboratory	2	ELE 200	ELE210
ELE	305	Analog Filters	5	ELE200	
ELE	310	Digital Electronics	5	ELE220	
ELE	320	Motors and Transformers	5	PHY311/ELE210	
ELE	351	Logic Design Laboratory	2	ELE251	ELE220
ELE	361	Electronic Filters Laboratory	2	ELE251	ELE305
ELE	400	Linear Control Systems **	5	MTH210	
ELE	410	Power Electronics**	5	ELE210	
ELE	420	Introductions to Microcontrollers and PLCs **	5	ELE310	
ELE	440	Signal Processing **	5		MTH250
ELE	450	Instrumentation Laboratory **	2	CSC220	
ELE	461	Control Systems Laboratory	2	CSC220	ELE400
Elective Credits			13		