Degree Requirements				
Faculty of Public Health - Biomedical Technology				
Code		**Course**	**Cr.**	**Prerequisite**
General Requirements			**13**	
BUS	220	Labor Law	2	
BUS	228	Quality Management and Accreditation in Biomedical *	5	
ENG	210	Medical English	3	
ENG	510	Research methodology	3	
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	305	Biomedical Instrumentation II *+	3	
BMD	310	Principles of Xray and CT Scan *+	5	
BMD	315	Laboratory Equipment Devices *+	3	
BMD	320	Principles of MRI and Ultrasonic Devices *+	5	PHY311
BMD	325	Image Processing Technics *+	3	
BMD	340	Biomedical Technologies Internship I *+	2	Authorization
BMD	410	Biomedical Technologies Internship II *+	2	Authorization
BMD	420	Biomedical Technologies Internship III *+	3	Authorization
BMD	425	Introduction to Electrophysiology Devices *+	3	
BMD	430	Biomedical Technologies Internship IV *+	3	Authorization
BMD	435	Networking Infrastructure & System Configuration *+	5	
BMD	498	Final project *+	10	Authorization
Electronics 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, Co-requisite 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, co-requisite ELE220
ELE	361	Electronic Filters Laboratory	2	ELE251, co-requisite 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	Co-MTH250
ELE	450	Instrumentation Laboratory *	2	CSC220
ELE	461	Control Systems Laboratory	2	CSC220, co-requisite ELE400
Elective credits			**13**	