

Level 1 <b>CFY</b>	CT 101 Computer Skills 3(2+2+0) I	CUR 101 University Skills 3(3+0+0) H	EPH 101 Fitness and Health Culture 1(0+2+0) H	STAT 109 Biostatistics 3(2+2+0) S	ENGL 107 Academic English for Health Sciences -1- 6(6+0+9) H	<b>Legend</b> <b>BMT 464</b> <sup>D</sup> <b>Biomedical Design &amp; Manufacturing</b> Pre-Req. Cr (L+P+T) Pre-Req.: Course Pre-requisite(s) Cr: Credit Hours L: Lecture Contact Hours P: Practical Contact Hours T: Tutorial Contact Hours H – Humanities S – Basic Sciences E – Electrical Engineering M – Mechanical Engineering I – Informatics Q – Medical Equipment D – Biomedical Eng. Design P – Signal & Image Processing C – Clinical T – Technical Elective	
	Level 2	ZOOL 109 Biology 3(2+2+0) S	PH General Physics 4(3+2+0)	CHEM 109 Introduction to Organic Chemistry 3(2+2+0) S	ENGL 114 Academic English for Health Sciences -2- ENGL 107 6(6+0+9) H		
Level 3	MATH 218 Differential Calculus 4(4+0+2) S	BMT 201 Applied Physics 3(2+2+0) S	BMT 213 Electrical Circuits 3(2+2+0) E	BMT 241 Computer Programming 2(1+2+0) I	CLS 224 Basic Anatomy & Physiology 3(2+2+0) S	ARAB 100 Expository Writing 2(2+0+0) H	
Level 4	MATH 228 Integral Calculus MATH 218 4(4+0+2) S	BMT 214 Introduction to Electronic Devices BMT 213 3(2+2+0) E	BMT 230 Introduction to Biomechanics CLS 224 BMT 201 3(2+2+0) M	BMT 251 Biomedical Sensors & Measurements BMT 213 3(2+2+0) Q	ME 200 Intro. to Engineering Design & Graphics 3(1+4+0) D	IC 106 Medical Jurisprudence 2(2+0+0) H	
Level 5	MATH 318 Differential Equations MATH 228 4(4+0+2) S	BMT 316 Biomedical Integrated Circuits BMT 214 3(2+2+0) E	BMT 331 Mechanics of Materials MATH 218 BMT 230 2(2+0+0) M	BMT 332 Biomaterials BMT 230 2(2+0+0) M	BMT 352 Diagnostic Medical Equipment BMT 251 3(2+2+0) Q	BMT 371 Biomedical Signal Processing BMT 251 3(2+2+0) P	
Level 6	BMT 317 Microcontroller Apps in Healthcare BMT 316 3(2+2+0) E	BMT 318 Biomedical Control Systems MATH 228 3(2+2+0) E	BMT 339 Fluid Mechanics MATH 318 BMT 201 2(1+2+0) M	BMT 342 Internet of Medical Things BMT 241 2(1+2+0) I	BMT 353 Therapeutic Medical Equipment BMT 251 3(2+2+0) Q	BMT 362 Design in Biomedical Engineering ME 200 BMT 331 BMT 332 2(2+0+0) D	BMT 372 Medical Image Processing MATH 318 BMT 371 3(2+2+0) P
Level 7	BMT 443 Biomedical Data Sciences BMT 342 2(1+2+0) I	BMT 444 Health Informatics -1- BMT 342 3(2+2+0) I	BMT 463 Simulation in Biomedical Engineering BMT 339 BMT 362 3(2+2+0) D	BMT 481 Clinical Practice/ Project -1- Level 6 courses 3(0+6+0) C	Technical Elective -1- Varies 2(2+0+0) T	Technical Elective -2- Varies 2(2+0+0) T	
Level 8	BMT 464 Biomedical Design & Manufacturing BMT 362 3(2+2+0) D	BMT 482 Biomed. Innovation & Entrepreneurship BMT 362 2(2+0+0) C	BMT 483 Health Technology Management 3(2+2+0) C	BMT 486 Clinical Practice/ Project -2- BMT 481 3(0+6+0) C	Technical Elective -3- Varies 2(2+0+0) T	Technical Elective -4- Varies 2(2+0+0) T	
5	<b>Internship Year</b>						