

Study Plan
Degree : Bachelor
Faculty : Inaya Medical Science College
Plan Hrs.: 136
Department : Biomedical Technology
Plan Type : Major
Edition : 1
Gender : Both
Major : BMT Biomedical Technology
Council Session:
Deanship Session :
Faculty Session :
Dept Session:
Council Date:
Deanship Date:
Faculty Date:
Dept Date :
Group Type : Compulsory 1

First Level							
code	course name	H	G	L	H	requisite	Yrl
BIOS 101	Biostatistics	2				-	-
COMM 101	Communication Skills	1				-	-
ORI 000	Orientation	0				-	-
ISLM 105	Medical Jurisprudence	2				-	-
COMP 101	Computer For Health Sciences	2				-	-
ARAB 101	Arabic Language	2				-	-
ENGL 101	English Language(I)	8				-	-
Total							17

Second Level							
code	course name	H	G	L	H	requisite	Yrl
BIOL 101	Biology	3			6	-	-
ETH 101	Ethics In Health Care	1			6	-	-
PHYS 101	General Physics	3			6	-	-
CHEM 101	Introduction To Chemistry	3			6	-	-
ENGL 102	English Language (I I)	4			6	ENGL 101 - / P	-
ENGL 105	Medical Terminology	3			6	-	-
Total							17

Third Level							
code	course name	H	G	L	H	requisite	Yrl
BMT 231	Introduction To Biomedical Technology	3				BIOL 101 - / P COMP 101 - / P ENGL 102 - / P	-
BMT 232	Introduction To The Materials Science Of Biomaterials	3				CHEM 101 - / P ENGL 102 - / P	-
MATH 231	General Mathematics	2			5	BIOS 101 - / P	-
BMS 231	Anatomy, Embryology and Histology	4				BIOL 101 - / P ENGL 105 - / P	-
BMS 232	Physiology	3				BIOL 101 - / P	-

Group Type : Compulsory 1

Third Level							
code	course name	H	G	L	H	requisite	Yrl
BMS 234	Medical Ethics	2				ETH 101 - / P	-
Total							17

Fourth Level							
code	course name	H	G	L	H	requisite	Yrl
BMT 242	Biomedical Electronics	4				BMT 231 - / P	-
BMT 243	Biomedical Technology Design And Manufacturing(I)	5				MATH 231 - / P PHYS 101 - / P	-
BMT 244	Human Physiology For Engineers(I)	3				BMS 231 - / P BMS 232 - / P	-
BMT 245	Polymeric Biomaterials Technology	3				BMT 232 - / P	-
MATH 241	Applied Mathematics	2				MATH 231 - / P	-
Total							17

Fifth Level							
code	course name	H	G	L	H	requisite	Yrl
BMT 351	Biomedical Measurements	2				BMT 242 - / P	-
BMT 352	Analytical And Experimental Methods For Biomedical Engineers	3				BMT 242 - / P MATH 241 - / P	-
BMT 353	Biomedical Technology Design And Manufacturing(II)	3				BMT 243 - / P	-
BMT 355	Fundamentals Of Biomedical Instrumentation	3				BMT 242 - / P	-
ISLM 106	Family in Islam	2				ISLM 105 - / P	-
ARAB 103	Writing In Arabic Language	2				ARAB 101 - / P	-
Total							15

Sixth Level							
code	course name	H	G	L	H	requisite	Yrl
BMT 361	Analog And Digital Circuits Laboratory	3				BMT 242 - / P BMT 351 - / P	-

P : Pre-requisite
G : GPA level
H : Requisite HRS
C: Co- requisite MC : Mandetory Co--requisit NC: None Co- requisite L : Pre-course Level

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Sixth Level						
code	course name	H	G	L	H	requisite
BMT 362	Bioelectricity	3				BMT 244 - / P BMT 355 - / P
BMT 363	Biomechanics	3				BMT 352 - / P
BMT 364	Biomedical Signal Processing	3				BMT 351 - / P
BMT 365	Biomedical Technology Senior Design	2				BMT 353 - / P
BMT 366	Human Physiology For Engineers(II)	3				BMT 244 - / P
ISLM 107	Economic System in Islam	2			6	-
Total						19

Group Type : Compulsory 1

Eighth Level	
Total	16

Seventh Level						
code	course name	H	G	L	H	requisite
BMT 471	Linear Systems In Biomedical Technology	3				BMT 361 - / P BMT 364 - / P
BMT 472	Biomedical Microcontroller Applications	4				BMT 361 - / P
BMT 473	Tissue Technology	2				BMT 245 - / P BMT 363 - / P
BMT 474	Medical Instrumentation	3				BMT 355 - / P BMT 361 - / P
BMT 475	Research In Biomedical Technology	3				BMT 365 - / P
BMT 476	Medical Imaging(I)	3				BMT 366 - / P
Total						18

Eighth Level						
code	course name	H	G	L	H	requisite
BMT 481	Special Topics In Biomedical Technology	3				BMT 474 - / P
BMT 482	Cardiovascular Biomechanics	3				BMT 363 - / P BMT 366 - / P BMT 474 - / P
BMT 483	Advanced Biomedical Signal Processing	3				BMT 471 - / P
BMT 484	Medical Device Design	3				BMT 475 - / P
BMT 485	Medical Imaging(II)	2				BMT 476 - / P
ISLM 108	Human Rights	2			6	-

P : Pre-requisite
G : GPA level
H : Requisite HRS
C: Co- requisite MC : Mandetory Co--requisit NC: None Co- requisite L : Pre-course Level