COHORT 2020/2021
Bachelor of Engineering (Biomedical Engineering)

Recommended Semester Schedule for Biomedical Engineering Students

Semester 1		Semester 2	
MLE1010 Materials Engineering Principles and Practice	4	MA1513 Linear Algebra with Differential Equations	2
ES2531 Critical Thinking & Writing	4	CS1010E Programming Methodology	4
MA1511 Engineering Calculus	2	EG1311 Design and Make	4
MA1512 Differential Equations for Engineering	2	PC1432 Physics IIE	4
BN1111 Biomedical Engineering Principles and Practice I	4	BN2111 Biomedical Engineering Principles and Practice II	4
GE 1	4	GER1000 Quantitative Reasoning (GE 2)	4
Sub-total	**20**	**Sub-total**	**22**
Semester 3		**Semester 4**	
EE2211 Introduction to Machine Learning	4	BN2102 Bioengineering Data Analysis	4
BN2201 Quantitative Physiology for Bioengineers	4	BN2204 Fundamentals of Biomechanics	4
BN2403 Fundamentals of Biosignals Processing and Bioinstrumentation	4	BN2301 Biochemistry and Biomaterials for Bioengineers	4
CM1501 Organic Chemistry for Engineers	4	EG2401A Engineering Professionalism	2
GEQ1000 (GE 3)	4	IE2141 Systems Thinking and Dynamics	4
GE4	4	GE5	4
Sub-total	**24**	**Sub-total**	**22**
Semester 5 (First Half Cohort*)		**Semester 5 (Second Half Cohort*)**	
EG3611A Industrial Attachment	10	BN3101 Biomedical Engineering Design	6
UE 1	4	UE 1	4
		UE 2	4
		UE 3	4
		Technical Elective 1	4
Sub-total	**14**	**Sub-total**	**22**
Semester 6 (First Half Cohort*)		**Semester 6 (Second Half Cohort*)**	
BN3101 Biomedical Engineering Design	6	EG3611A Industrial Attachment	10
UE 2	4	UE 4	4
UE 3	4		
UE 4	4		
Technical Elective 1	4		
Sub-total	**22**	**Sub-total**	**14**
Semester 7		**Semester 8**	
BN4101 B.Eng. Dissertation	4	BN4101 B.Eng. Dissertation	4
Technical Elective 2	4	Pathway Elective 2	4
Pathway Elective 1	4	UE 7	4
UE 5	4	UE8	4
UE 6	4		
Sub-total	**20**	**Sub-total**	**16**
		Total	**160**

*Notes:

1) 50% of the cohort will go on IA in Semester 5 and the other 50% will go in Semester 6.
2) **Please make sure you do not exceed 60MCs of level 1000 modules. (ALL modules starting with the digit '1')**