

COHORT 2016/2017
Bachelor of Engineering (Biomedical Engineering)

Recommended Semester Schedule for Biomedical Engineering Students

Semester 1		Semester 2	
CS1010E Programming Methodology	4	BN2103 Bioengineering Design Workshop*	2
CM1501 Organic Chemistry for Engineers	4	MA1506 Mathematics II	4
ES1531 Critical Thinking & Writing	4	PC1432 Physics IIE	4
MA1505 Mathematics I	4	GER1000 Quantitative Reasoning (GE 1)	4
PC1431 Physics IE	4	GE 2	4
		GE 3	4
Sub-total	20	Sub-total	22
Semester 3		Semester 4	
BN2103 Bioengineering Design Workshop*	2	BN2102 Bioengineering Data Analysis	4
BN2201 Quantitative Physiology for Bioengineers	4	BN2401 Biosignals Processing	4
BN2402 Fundamentals of Bioinstrumentation	4	BN3301 Introduction to Biomaterials	4
BN2202 Introduction to Biotransport	4	BN2204 Fundamentals of Biomechanics	4
LSM1401 Fundamentals of Biochemistry	4	GE 4	4
ES2331 Communicating Engineering	4	GE 5	4
Sub-total	22	Sub-total	24
Semester 5 (First Half Cohort*)		Semester 5 (Second Half Cohort*)	
EG3611 Industrial Attachment	12	BN3101 Biomedical Engineering Design	6
EG2401 Engineering Professionalism	3	UE 1	4
UE 1	4	UE 2	4
		Technical Elective 1	4
		Technical Elective 2	4
Sub-total	19	Sub-total	22
Semester 6 (First Half Cohort*)		Semester 6 (Second Half Cohort*)	
BN3101 Biomedical Engineering Design	6	EG3611 Industrial Attachment	12
UE 2	4	EG2401 Engineering Professionalism	3
UE 3	4	UE 3	4
Technical Elective 1	4		
Technical Elective 2	4		
Sub-total	22	Sub-total	19
Semester 7		Semester 8	
BN4101 B.Eng. Dissertation	4	BN4101 B.Eng. Dissertation	4
Technical Elective 3	4	Technical Elective 6	4
Technical Elective 4	4	Technical Elective 7	4
Technical Elective 5	4	Technical Elective 8	4
UE 4	4		
Sub-total	20	Sub-total	16

*Note: 1) 50% of the cohort will read BN2103 in Semester 2 and the other 50% will read it in Semester 3.

2) 50% of the cohort will go on IA in Semester 5 and the other 50% will go in Semester 6.

Updated: 6 September 2016

The recommended schedule is correct as at time of printing and is subject to changes.