

COHORT 2015/2016
Bachelor of Engineering (Biomedical Engineering)

Recommended Semester Schedule for Biomedical Engineering Students without Physics

Semester 1		Semester 2	
CS1010E Programming Methodology	4	BN2103 Bioengineering Design Workshop*	2
GEK1549 Critical Thinking & Writing (GEM 1)	4	MA1506 Mathematics II	4
MA1505 Mathematics I	4	PC1431 Physics IE	4
PC1221 Fundamentals of Physics I (UEM 1)	4	PC1432 Physics IIE	4
PC1222 Fundamentals of Physics II (UEM 2)	4	GER1000 Quantitative Reasoning (GEM 2)	4
Sub-total	20	Sub-total	18
Semester 3		Semester 4	
BN2102 Bioengineering Data Analysis	4	BN2201 Quantitative Physiology for Bioengineers	4
BN2103 Bioengineering Design Workshop*	2	BN2402 Fundamentals of Bioinstrumentation	4
BN2202 Introduction to Biotransport	4	BN2204 Fundamentals of Biomechanics	4
BN2401 Biosignals Processing	4	BN3301 Introduction to Biomaterials	4
LSM1401 Fundamentals of Biochemistry	4	GEM 3	4
CM1501 Organic Chemistry for Engineers	4	GEM 4	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	ES2331 Communicating Engineering	4
HR2002 Human Capital in Organizations / MT2001 Experiencing Engineering Leadership	3 / 4	Technical Elective 1	4
		Technical Elective 2	4
		GEM 5	4
Sub-total	18	Sub-total	22
Semester 6 (First Half Cohort*)		Semester 6 (Second Half Cohort*)	
BN3101 Biomedical Engineering Design	6	EG3611 Industrial Attachment	12
ES2331 Communicating Engineering	4	EG2401 Engineering Professionalism	3
Technical Elective 1	4	HR2002 Human Capital in Organizations / MT2001 Experiencing Engineering Leadership	3 / 4
Technical Elective 2	4		
GEM 5	4		
Sub-total	22	Sub-total	18
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
UEM 3	4	UEM 4	4
Sub-total	20	Sub-total	20

***Note: 50% of the cohort will go on IA in Semester 5 and the other 50% will go in Semester 6.**

Updated: 23 August 2016

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