

COHORT 2015/2016
Bachelor of Engineering (Biomedical Engineering)

Recommended Semester Schedule for Biomedical Engineering Students – Poly Students

Semester 1		Semester 2	
CM1417 Fundamentals of Chemistry	4	BN2103 Bioengineering Design Workshop	2
GET1021 Critical Reading & Writing (GEM 1)	4	MA1505 Mathematics I	4
MA1301 Introductory Mathematics	4	MA1506 Mathematics II	4
PC1221 Fundamentals of Physics I	4	PC1431 Physics IE	4
PC1222 Fundamentals of Physics II	4	PC1432 Physics IIE	4
		GER1000 Quantitative Reasoning (GEM 2)	4
Sub-total	20	Sub-total	22
Semester 3		Semester 4	
BN2102 Bioengineering Data Analysis	4	BN2201 Quantitative Physiology for Bioengineers	4
BN2103 Bioengineering Design Workshop	2	BN2204 Fundamentals of Biomechanics	4
BN2202 Introduction to Biotransport	4	BN2402 Fundamentals of Bioinstrumentation	4
BN2401 Biosignals Processing	4	BN3301- Introduction to Biomaterials	4
CM1501 Organic Chemistry for Engineers	4	GEM 3	4
LSM1401 Fundamentals of Biochemistry	4		
Sub-total	22	Sub-total	20
Semester 5		Semester 6	
BN3101 Biomedical Engineering Design	6	BN4101 B.Eng. Dissertation	4
EG2401 Engineering Professionalism	3	Technical Elective 1	4
GEM 4	4	Technical Elective 2	4
GEM 5	4	Technical Elective 3	4
ES2331 Communicating Engineering	4	Technical Elective 4	4
Sub-total	21	Sub-total	20
Semester 7			
BN4101 B.Eng. Dissertation	4		
Technical Elective 5	4		
Technical Elective 6	4		
Technical Elective 7	4		
Technical Elective 8	4		
Sub-total	20		

***Note: Poly students are exempted from doing the compulsory IA, but are required to read extra TEs to make up the 12MCs.**