

**COHORT 2014/2015**  
**Bachelor of Engineering (Biomedical Engineering)**

**Recommended Semester Schedule for Biomedical Engineering Students (Without Physics)**

<b>Semester 1</b>		<b>Semester 2</b>	
CS1010E Programming Methodology	4	BN2103 Bioengineering Design Workshop*	2
EG1108 Electrical & Computer Engineering	3	EG1109 Statics & Mechanics of Materials	4
MA1505 Mathematics I	4	GEK1549 Critical Thinking and Writing	4
PC1221 Fundamental of Physics I (UEM/Breadth 1)	4	MA1506 Mathematics II	4
PC1222 Fundamentals of Physics II (UEM/Breadth 2)	4	PC1431 Physics IE	4
		PC1432 PhysicsI IE	4
<b>Sub-total</b>	<b>19</b>	<b>Sub-total</b>	<b>22</b>
<b>Semester 3</b>		<b>Semester 4</b>	
BN2102 Bioengineering Data Analysis	4	BN2201 Quantitative Physiology for Bioengineers	4
BN2103 Bioengineering Design Workshop*	2	BN2203 Introduction to Bioengineering Design	4
BN2202 Introduction to Biotransport	4	BN2401 Biosignals Processing	4
CM1501 Organic Chemistry for Engineers	4	BN3501 Equilibrium & Kinetic Bioprocess	4
LSM1401 Fundamentals of Biochemistry	4	LSM2103 Cell Biology	4
ES2331 Communicating Engineering (Breath/UEM 3)	4		
<b>Sub-total</b>	<b>22</b>	<b>Sub-total</b>	<b>20</b>
<b>Semester 5 (First Half Cohort*)</b>		<b>Semester 5 (Second Half Cohort*)</b>	
EG3611 Industrial Attachment	12	BN3101 Biomedical Engineering Design	6
GEM/SS/UEM/Breath 4	4	BN3201 Introduction to Biomechanics	4
HR2002 Human Capital in Organizations / MT2001 Experiencing Engineering Leadership	3 / 4	BN3301 Introduction to Biomaterials	4
		BN3401 Biomedical Electronics & Systems	4
		EG2401 Engineering Professionalism	3
<b>Sub-total</b>	<b>19</b>	<b>Sub-total</b>	<b>21</b>
<b>Semester 6 (First Half Cohort*)</b>		<b>Semester 6 (Second Half Cohort*)</b>	
BN3101 Biomedical Engineering Design	6	EG3611 Industrial Attachment	12
BN3201 Introduction to Biomechanics	4	GEM/SS/UEM/Breath 4	4
BN3301 Introduction to Biomaterials	4	HR2002 Human Capital in Organizations / MT2001 Experiencing Engineering Leadership	3 / 4
BN3401 Biomedical Electronics & Systems	4		
EG2401 Engineering Professionalism	3		
<b>Sub-total</b>	<b>21</b>	<b>Sub-total</b>	<b>19</b>
<b>Semester 7</b>		<b>Semester 8</b>	
BN4101 B.Eng. Dissertation	4	BN4101 B.Eng. Dissertation	4
GEM/SS/UEM/Breath 5	4	GEM/SS/UEM/Breath 7	4
GEM/SS/UEM/Breath 6	4	GEM/SS/UEM/Breath 8	4
Technical Elective 1	4	GEM/SS/UEM/Breath 9	4
Technical Elective 2	4	Technical Elective 3	4
<b>Sub-total</b>	<b>20</b>	<b>Sub-total</b>	<b>20</b>

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

Updated: 12 August 2015

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