

**COHORT 2015/2016**  
**Bachelor of Engineering (Biomedical Engineering)**

**Recommended Semester Schedule for Biomedical Engineering Students**

<b>Semester 1</b>		<b>Semester 2</b>	
CS1010E Programming Methodology	4	BN2103 Bioengineering Design Workshop*	2
CM1501 Organic Chemistry for Engineers	4	MA1506 Mathematics II	4
GEK1549 Critical Thinking & Writing (GEM 1)	4	PC1432 Physics IIE	4
MA1505 Mathematics I	4	GER1000 Quantitative Reasoning (GEM 2)	4
PC1431 Physics IE	4	GEM 3	4
		GEM 4	4
<b>Sub-total</b>	<b>20</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	BN2204 Fundamentals of Biomechanics	4
BN2202 Introduction to Biotransport	4	BN2402 Fundamentals of Bioinstrumentation	4
BN2401 Biosignals Processing	4	BN3301 Introduction to Biomaterials	4
LSM1401 Fundamentals of Biochemistry	4	GEM 5	4
ES2331 Communicating Engineering	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
UEM 1	4	HR2002 Human Capital in Organizations	3
EG2401 Engineering Professionalism	3	Technical Elective 1	4
		Technical Elective 2	4
		UEM 1	4
<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
HR2002 Human Capital in Organizations	3	UEM 2	4
Technical Elective 1	4	EG2401 Engineering Professionalism	3
Technical Elective 2	4		
UEM 2	4		
<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
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
<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: 23 August 2016

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