

**B.Eng. (Bioengineering)**  
**Suggested Study Plan for AY09-10 intake**

**Year 1 Semester 1**

<b>Course</b>	<b>AU</b>
BG1002 Bioengineering Physics	4
BG1003 Chemistry	4
BG1006 Math A	3
BG1031 Biomolecular Engineering I	4
BG1701 Lab 1A	1
HW110 Effective Communications	2
GER PE 1	3
HW001 English Proficiency*	
	<b>21</b>

**Semester 2**

<b>Course</b>	<b>AU</b>
BG1001 Engineering Physics	4
BG1005 Materials Science	3
BG1007 Math B	3
BG1008 Organic Chemistry	4
BG1009 Anatomy & Physiology	4
BG1702 Lab 1B	1
GER PE 2	3
	<b>22</b>

\* For students who have not passed or been exempted from the Qualifying English Test at the time of admission.

**Year 2 Semester1**

<b>Course</b>	<b>AU</b>
BG2012 Bio-fluid Systems	4
BG2004 Electronics for Biomedical Eng	4
BG2005 Biomolecular Engineering II	3
BG2031 Biomaterials	4
BG2041 Mechanics of Materials	3
BG2701 Lab 2A	1
GER PE 3	3
	<b>22</b>

**Semester 2**

<b>Course</b>	<b>AU</b>
BG2042 Biological Thermodynamics	3
BG2009 Biomechanics	4
BG2010 Bioelectricity	4
BG2011 Computational Methods	4
BG2072 Lab 2B	1
HW210 Technical Communication	2
GER PE 4	3
	<b>21</b>

**Year 3 Semester 1**

<b>Course</b>	<b>AU</b>
BG3002 Control in Biosystems	4
BG3003 Signal Processing	4
BG3004 Biomedical Imaging	3
BG3005 Biomedical Instrumentation	3
BG3006 Advanced Biocomputational Methods	4
BG3701 Lab 3	1
GER UE 1	3
	<b>22</b>

**Semester 2**

<b>Course</b>	<b>AU</b>
BG3720 Industrial Attachment	10
	<b>10</b>

**Year 4 Semester1**

<b>Course</b>	<b>AU</b>
BG4701 Final Year Project	5
HW310 Professional Communication	2
BIE PE 1	3
BIE PE 2	3
GER PE 5	3
GER UE 2	3
	<b>19</b>

**Semester 2**

<b>Course</b>	<b>AU</b>
BG4701 Final Year Project	5
BG4901 Engineers & Society	3
BG4902 Human Resource Management	3
BIE PE 3	3
BIE PE 4	3
GER UE 3	3
	<b>20</b>

**Total (AU)**

**157**