Suggested Four-Year Study Plan (AY2007/2008 intake)

Suggested Study Plan for BIE Year 1

SEMESTER 1		
Code	**Course**	**AU**
BG1001	Engineering Physics	4
BG1003	Chemistry for Engineers	4
BG1006	Mathematics for Engineers A	3
BG1031	Biomolecular Engineering 1	4
BG1701	Bioengineering Lab 1A	1
HW110	Effective Communications	2
	GER-PE 1	3
	TOTAL	**21**

SEMESTER 2		
Code	**Course**	**AU**
BG1002	Bioengineering Physics	4
BG1005	Materials Science	3
BG1007	Mathematics for Engineers B	3
BG1008	Organic Chemistry and Spectrophotometry	4
BG1009	Anatomy and Physiology	4
BG1702	Bioengineering Laboratory 1B	1
	GER-PE 2	3
	TOTAL	**22**

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

Suggested Study Plan for BIE Year 2

SEMESTER 1		
Code	**Course**	**AU**
BG2003	Fluid Systems	4
BG2004	Electronics for Biomedical Engineers	4
BG2005	Biomolecular Engineering II	3
BG2031	Biomaterials	4
BG2041	Mechanics of Materials	3
BG2701	Bioengineering Lab 2A	1
	GER-PE 3	3
	TOTAL	**22**

SEMESTER 2		
Code	**Course**	**AU**
BG2008	Thermodynamics	3
BG2009	Biomechanics	4
BG2010	Bioelectricity	4
BG2011	Computational Methods in Bioengineering	4
BG2702	Bioengineering Lab 2B	1
HW210	Technical Communications	2
	GER-PE 4	3
	TOTAL	**21**

Suggested Study Plan for BIE Year 3

SEMESTER 1		
Code	**Course**	**AU**
BG3002	Control in Biosystems	4
BG3003	Signal Processing in Biosystems	4
BG3004	Biomedical Imaging	3
BG3005	Biomedical Instrumentation	3
BG3006	Advanced Biocomputational Methods	4
BG3701	Bioengineering Lab 3	1
	GER-UE 1	3
	TOTAL	**22**

SEMESTER 2		
Code	**Course**	**AU**
CH3720	Industrial Attachment	10
	TOTAL	**10**

Suggested Study Plan for BIE Year 4

SEMESTER 1		
Code	**Course**	**AU**
BG4701	Final Year Project	5
BG4900	Professional Communication	2
	BIE-PE 1	3
	BIE-PE 2	3
	GER-PE 5	3
	GER-UE 2	3
	TOTAL	**19**

SEMESTER 2		
Code	**Course**	**AU**
BG4701	Final Year Project	5
BG4901	Engineers & Society	3
BG4902	Human Resource Management	3
	BIE-PE 3	3
	BIE-PE 4	3
	BIE-UE 3	3
	TOTAL	**20**