

B.Eng. (Chemical & Biomolecular Engineering)
Suggested Study Plan for CBE AY2007/2008 intake

Year 1 Semester 1

Course	AU
CH1004 Mass & Energy Balance	3
CH1005 Materials Science	3
CH1006 Math A	3
CH1020 Physical Chemistry	2
CH1031 Biomolecular Engineering I	4
CH1701 Lab 1	1
GER PE 1	3
HW001 English Proficiency*	
	19

Semester 2

Course	AU
CH1002 Engineering Physics	4
CH1007 Math B	3
CH1011 Intro to Programming	1
CH2002 Organic Chemistry	4
CH2008 Thermodynamics	3
CH1702 Lab 2	1
HW110 Effective Communication	2
GER PE 2	3
	21

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

Year 2 Semester 1

Course	AU
CH2003 Fluid Systems	4
CH2005 Biomolecular Engineering II	3
CH2007 Computational Methods	3
CH3003 Chemical Thermodynamics	3
CH2701 Lab 3	2
GER PE 3	3
GER UE 1	3
	21

Semester 2

Course	AU
CH2004 Heat & Mass Transfer	4
CH2040 Unit Operations I	4
CH3002 Reaction Engineering 4	4
CH2702 Lab 4	2
HW210 Technical Communication	2
GER PE 4	3
GER UE 2	3
	22

Year 3 Semester 1

Course	AU
CH1032 Biochemical Engineering	4
CH3001 Control	4
CH3041 Unit Operations II	3
CH3702 Laboratory 5	3
CH4901 Engineers & Society	3
HW310 Professional Communication	2
GER PE 5	3
GER UE 3	3
	25

Semester 2

Course	AU
CH3720 Industrial Attachment	10
	10

Year 4 Semester 1

Course	AU
CH3010 Modeling	3
CH4001 Safety	3
CH4701 Final Year Design Project	5
CBE PE 1	3
CBE PE 2	3
CBE PE 3	3
	20

Semester 2

Course	AU
CH4701 Final Year Design Project	5
CH4902 Human Resource Management	3
CBE PE 4	3
CBE PE 5	3
CBE PE 6	3
CBE PE 7	3
	20

Total (AU)

158