

B.Eng. (Chemical & Biomolecular Engineering)
Suggested Study Plan for AY2013/2014 intake (direct entry)
with Industrial Attachment

Year 2 Semester 1

Course	AU
MH1810 Math 1	3
CH1102 Introduction to Chemical Engineering in New Era	1
CH1131 Biomolecular Engineering	4
CH2103 Fluid Systems	4
CH2106 Introduction to Multidisciplinary Engineering	2
CH2107 Computational Methods	3
CH2801 Lab	2
19	

Year 2 Semester 2

Course	AU
CH1117 Engineering Mathematics	4
CH2104 Heat & Mass Transfer	4
CH1108 Thermodynamics	4
CH2140 Unit Operation	4
CH3102 Reaction Engineering	4
CH2802 Lab	2
HW0210 Technical Communication	2
24	

Year 3 Semester 1

Course	AU
CH3101 Process Control and Dynamics	4
CH3103 Chemical Thermodynamics	3
CH3141 Advanced Unit Operations	3
CH3802 Lab	3
CH4101 Chemical, Biological & Plant Safety	2
CH4911 Engineers & Society	3
HW0310 Professional Communication	2
20	

Year 3 Semester 2

Course	AU
CH3104 Biochemical Engineering	3
CH4801 Final Year Design Project	4
CBE elective 1	3
CBE elective 2	3
GER elective 1	3
GER elective 2	3
19	

Year 4 Semester 1

Course	AU
CH3820 Industrial Attachment	8
8	

Year 4 Semester 2

Course	AU
CH2102 Organic Chemistry	4
CH2109 Decision Tools for Business & Engineering	3
CH4801 Final Year Design Project	4
CH4903 Environmental Sustainability	3
CBE elective 3	3
Free elective 1	2
19	

Total (AU)

109