

Year 5	Semester 1		Semester 2	
	Course	AU	Course	AU
	Econs elective 6	3	Econs elective 10	4
	Econs elective 7	3	Econs elective 11	4
	Econs elective 8	3	Econs elective 12	4
	Econs elective 9	3		
		12		12
			Total (AU)	176

B.Eng. (Bioengineering)
Suggested Study Plan for AY2014-2015 intake (CN Yang)
with Professional Internship (NEW)

Year 1 Semester 1			Year 1 Semester 2			
Course		AU		Course	AU	
CY1001	Introduction to Biology	4	PE	CY1202	Calculus of Several Variables	4
CY1101	Principles of Modern Chemistry	4		CY1306	Electricity and Magnetism	3
CY1102	Experimental Chemistry & Biological Chemistry	3		CY1307	Relativity and Quantum Physics	3
CY1201	Calculus of One Variable	4		CY1400	CN Yang Scholars Programme Undergraduate Research Experience	3
CY1305	Mechanics	3		CY1500	Introductory Research Methodology	3
	GER elective 1 (STS)	3		BG1105	Materials Science	3
GC0001	Introduction to Sustainability	1		BG1109	Anatomy & Physiology	3
HW0188	Engineering Communication I	2		ML0001	Absolute Basics for Career	1
		24				23
* For students who have not passed or been exempted from the Qualifying English Test at the time of admission.						
Year 2 Semester 1			Year 2 Semester 2			
Course		AU		Course	AU	
CY1203	Linear Algebra & Differential Equations	4		BG2109	Biomechanics	3
BG1101	Introduction to Biomedical Engineering	2		BG2110	Bioelectricity	3
BG1131	Molecular Cell Biology for Biomedical Engineers	4		BG2111	Computational Methods	4
BG2112	Cardiovascular Engineering	4		BG2142	Biological Thermodynamics	3
BG2131	Cardiovascular Engineering	4		BG2802	Lab 2B	1
BG2141	Biomaterials	3			GER elective 2 (BM)	3
BG2141	Mechanics of Materials	3			GER elective 3 (LA)	3
HY0001	Ethics & Moral Reasoning	1				
		23				20
Year 3 Semester 1			Year 3 Semester 2			
Course		AU		Course	AU	
BG2104	Electronics for Biomedical Engineers	3		BG3820	Professional Internship	8
BG3102	Control in Biosystems	3		ML0002	Career Power UP	1
BG3103	Signal Processing in Biosystems	3				
BG3104	Control in Biosystems	3				
BG3104	Biomedical Imaging	3				
BG3105	Biomedical Instrumentation	3				
BG3801	Bioengineering Lab 3	1				
ET0001	Entrepreneurship & Innovation	1				
HW0288	Engineering Communication II	2				
		19				9
Year 4 Semester 1			Year 4 Semester 2			
Course		AU		Course	AU	
BG4103	Biomedical Project Design & Management	4		BG4801	Final Year Project	4
BG4801	Final Year Project	4		BG0491	Engineers & Society	3
BG4102	Medical Device Design	3			Free elective 1	3
	BIE PE 1	3				
		14				10
Total (AU)					140	