

BEng (BioEngineering) and BA (Economics) (wef AY2014)

List of courses that contribute towards BA(Econs)				AU Load			
Discipline Requirement	Core	HE1001	Microeconomic Principles	3	33 AU		
		HE1002	Macroeconomic Principles	3			
		HE1005	Intro to Probability & Statistical Inference	3			
		HE2001	Intermediate Microeconomics	3			
		HE2002	Intermediate Macroeconomics	3			
		HE2005	Principles of Econometrics	3			
		HE3021	Intermediate Econometrics	3			
		HE4010	Singapore Economy in a Globalized World	4			
		BG4801	Final Year Project	8			
	Major PE	HExxxx	Econs PE1	3	39 AU		
		HExxxx	Econs PE2	3			
		HExxxx	Econs PE3	3			
		HExxxx	Econs PE4	3			
		HExxxx	Econs PE5	3			
		HExxxx	Econs PE6	3			
		HExxxx	Econs PE7	3			
		HExxxx	Econs PE8	3			
		HExxxx	Econs PE9	3			
		HExxxx	Econs PE10	4			
		HExxxx	Econs PE11	4			
		HExxxx	Econs PE12	4			
	UE	PH1011*	Physics	3	25 AUs		
		BG1101	Introduction to Biomedical Engineering	2			
		MH1810	Mathematics 1	3			
		BG1103	Chemistry	3			
		BG1105	Materials Science	3			
		BG1117	Engineering Mathematics	4			
		BG1109	Anatomy & Physiology	3			
		BG1131	Molecular Cell Biology for Biomedical Engineers	4			
		BG2104	Electronics for Biomedical Engineering	3	17 AUs from 2 nd and 3 rd Year Engineering courses that yield the highest CGPA		
		BG2109	Biomechanics	3			
		BG2110	Bioelectricity	3			
		BG2111	Computational Methods	4			
BG2112		Cardiovascular Engineering	4				
BG2131		Biomaterials	3				
BG2141		Mechanics of Materials	3				
BG2142		Biological Thermodynamics	3				
BG3102		Control in Biosystems	3				
BG3103		Signal Processing	3				
BG3104		Biomedical Imaging	3				
BG3105		Biomedical Instrumentation	3				
General Education Requirements (GER)		GER (Core)	BG0491	Engineers and Society		3	12 AU
			HW0188	Engineering Communication I		2	
	HW0288		Engineering Communication II	2			
	ML0001		Absolute Basics for Career	1			
	ML0002		Career Power Up!	1			
	GC0001		Introduction to Sustainability	1			
	HY0001		Ethics and Moral Reasoning	1			
	ET0001		Entrepreneurship and Innovation	1			
TOTAL				126 AU			

* Students without 'A' level Physics will take PH1012/FE1012 Physics A (4AU)

BEng (Chemical and Biomolecular Engineering) and BA (Economics)

(wef AY2014)

List of courses that contribute towards BA(Econs)				AU Load	
Discipline Requirement	Core	HE1001	Microeconomic Principles	3	33 AUs
		HE1002	Macroeconomic Principles	3	
		HE1005	Intro to Probability & Statistical Inference	3	
		HE2001	Intermediate Microeconomics	3	
		HE2002	Intermediate Macroeconomics	3	
		HE2005	Principles of Econometrics	3	
		HE3021	Intermediate Econometrics	3	
		HE4010	Singapore Economy in a Globalized World	4	
		CH4801	Final Year Project	8	
	Major PE	HExxxx	Econs PE1	3	39 AUs
		HExxxx	Econs PE2	3	
		HExxxx	Econs PE3	3	
		HExxxx	Econs PE4	3	
		HExxxx	Econs PE5	3	
		HExxxx	Econs PE6	3	
		HExxxx	Econs PE7	3	
		HExxxx	Econs PE8	3	
		HExxxx	Econs PE9	3	
		HExxxx	Econs PE10	4	
		HExxxx	Econs PE11	4	
		HExxxx	Econs PE12	4	
	UE	CH1104	Materials & energy balances	4	23 AUs
		CH1105	Materials science	3	
		MH1810	Math 1	3	
		CH1117	Math 2	4	
		CH1102	Introduction to Chemical Engineering in New Era	1	
		CH1131	Biomolecular engineering	4	
		CH1108	Thermodynamics	4	
		CH2102	Organic Chemistry and Spectrophotometry	4	
		CH2106	Introduction to Multidisciplinary Engineering	2	
		CH2103	Fluid systems	4	
		CH2104	Heat & mass transfer	4	
		CH2107	Computational methods	3	
CH2109		Decision Tools for Business & Engineering	3		
CH2140		Unit Operation	4		
CH3104		Biochemical Engineering	3		
CH3101		Process Control and Dynamics	4		
CH3102		Chemical Reaction engineering	4		
CH3103		Chemical thermodynamics	3		
CH3141		Advanced Unit Operations	3		
General Education Requirements (GER)	GER (Core)	CH0491	Engineers and Society	3	12 AUs
		HW0188	Engineering Communication I	2	
		HW0288	Engineering Communication II	2	
		ML0001	Absolute Basics for Career	1	
		ML0002	Career Power Up!	1	
		GC0001	Introduction to Sustainability	1	
		HY0001	Ethics and Moral Reasoning	1	
		ET0001	Entrepreneurship and Innovation	1	
		TOTAL			