

**BEng (Materials Engineering) 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 Globalised World	4	
		MS4089	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	PH1011/12 MH1810 FE1008 MS1012 MS1013 MS1014 MS1015 MS1016	Physics**	3	24 AU
			Mathematics I	3	
			Computing	3	
			Materials Physics	3	
			Materials Chemistry I	3	
			Materials Chemistry II	3	
			Materials Science	3	
			Thermodynamics of Materials	3	
		MH2811 MS2012 MS2013 MS2014 MS2015 MS2016 MS2018 MS3011 MS3012 MS3013 MS3014 MS3015	Mathematics II	3	18 AUs from 2 <sup>nd</sup> and 3 <sup>rd</sup> Year Engineering courses that yield the highest CGPA
			Introduction to Manufacturing	3	
			Polymers and Composites	3	
			Materials Structure and Defects	3	
Mechanical Behaviour of Materials			3		
Phase Transformation and Kinetics			3		
Electronic & Magnetic Properties of Materials			3		
Metallic & Ceramic Materials			3		
Micro/Nanoelectronic Materials Processing			3		
Environmental Effects on Materials			3		
Analysis of Materials			3		
Materials Aspect in Design			3		
General Education Requirements (GER)			GER (Core)	HW0188	
	HW0288	Engineering Communication II		2	
	MLXXXX	MLCPS Communication		2	
	GC0001	Introduction to Sustainability		1	
	XXXXXX	Ethics and Moral Reasoning		1	
	XXXXXX	Entrepreneurship and Innovation		1	
	MS0002	Engineers and Society		3	
<b>TOTAL</b>				<b>126 AU</b>	

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