

BEng (Materials Engineering) and BA (Economics) (wef AY2018)

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	PH1011/12	Physics**	3	24 AU
			MH1810	Mathematics I	3	
			MS1008	Introduction to Computational Thinking	3	
			MS1012	Materials Physics	3	
			MS1013	Materials Chemistry I	3	
			MS1014	Materials Chemistry II	3	
			MS1015	Materials Science	3	
			MS1016	Thermodynamics of Materials	3	
		MH2811	MH2811	Mathematics II	3	15 AUs from 2 nd and 3 rd Year Engineering courses that yield the highest CGPA
			MS2012	Introduction to Manufacturing	3	
			MS2013	Polymers and Composites	3	
			MS2014	Materials Structure and Defects	3	
			MS2015	Mechanical Behaviour of Materials	3	
			MS2016	Phase Transformation and Kinetics	3	
MS2018			Electronic & Magnetic Properties of Materials	3		
MS3011			Metallic & Ceramic Materials	3		
MS3012			Micro/Nanoelectronic Materials Processing	3		
MS3013			Environmental Effects on Materials	3		
MS3014			Analysis of Materials	3		
MS3015			Materials Aspect in Design	3		
General Education Requirements (GER)			GER (Core)	HW0188	Engineering Communication I	
	HW0288	Engineering Communication II		2		
	ML0003	Kickstart your Career Success		1		
	GC0001	Introduction to Sustainability		1		
	HY0001	Ethics and Moral Reasoning		1		
	ET0001	Entrepreneurship and Innovation		1		
	MS0002	Engineers and Society		3		
	MS0003	Introduction to Data Science and Artificial Intelligence		3		
TOTAL				125 AU		

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