

## BEng (Materials Engineering) and BSocSci (Economics)

(Students admitted from AY2020/2021)

List of courses that contribute towards BSocSci (Econs)				AU Load		
<b>Discipline Requirement</b>	<b>Core</b>	HE1001	Microeconomic Principles	3	} <b>33 AU</b>	
		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		
	<b>Major PE</b>	HExxxx	Econs PE1	3	} <b>39 AU</b>	
		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		
	<b>UE</b>	PH1011/12	Physics**	3	} <b>27 AU</b>	
		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		
		EF2	Engineering Fundamentals 2	3		
		MH2811	Mathematics II	3		} <b>12 AUs from 2<sup>nd</sup> and 3<sup>rd</sup> Year Engineering courses that yield the highest CGPA</b>
		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			
<b>General Education Requirements (GER)</b>		<b>GER (Core)</b>	HW0188	Effective Communication		2
	HW0288		Engineering Communication	2		
	ML0003		Kickstart your Career Success	1		
	GC0001		Introduction to Sustainability	1		
	HY0001		Ethics and Moral Reasoning	1		
	ET0001		Entrepreneurship and Innovation	1		
	EG0001		Engineers and Society	3		
	MS0003		Introduction to Data Science and Artificial Intelligence	3		
<b>TOTAL</b>				<b>125 AU</b>		

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