

Double Degree in Bachelor of Engineering (Aerospace Engineering) and Bachelor of Arts (Economics)

For students admitted to **First Year Engineering from AY2012/2013**

List of courses that contribute towards GPA Computation for BEng (Aerospace Engineering)

List of courses that contribute towards GPA Computation for BEng (Aerospace Engineering)				AU Load	
<b>Discipline Requirement</b>	<b>Core</b>	PH1011	Physics**	3	90 AUs (IO) / 94 AUs (IA)
		MH1810	Mathematics 1	3	
		MH1811	Mathematics 2	3	
		FE1008	Computing	3	
		MA1001	Dynamics	3	
		MA1700	Aerospace Discovery Course	1	
		MA2001	Mechanics of Materials	3	
		MA2003	Introduction to Thermo-fluids	3	
		MA2005	Engineering Graphics	3	
		MA2006	Engineering Mathematics	3	
		MA2007	Thermodynamics	3	
		MA2008	Experimental Methods for Engineers	1	
		MA2072	Laboratory Experiments (AE)	1	
		MA2079	Engineering Innovation and Design	2	
		MA2700	Aerospace Materials	3	
		MA2701	Flight Performance	2	
		MA3003	Heat Transfer	3	
		MA3006	Fluid Mechanics	3	
		MA3072	Engineering Experiments (AE)	1	
		MA3076/ MA3079	Industrial Orientation/ Industrial Attachment	4/8	
		MA3700	Aircraft Structures I	3	
		MA3701	Aerodynamics	3	
		MA3702	Aircraft Propulsion	3	
		MA3703	Flight Dynamics	2	
		MA3704	Aircraft Electrical Devices	3	
		MA3705	Aerospace Control Theory	3	
		MA4079	Final Year Project	8	
		MA4701	Aircraft Design I	3	
	MA4702	Aircraft Structures II	3		
	MA4703	Aircraft Design II	2		
	MA4704	Aeroelasticity	3		
	MA4705	Aircraft Navigation and Flight Computers	3		
	<b>UE</b>	HE1001	Microeconomic Principles	3	25 AUs 12 AUs from compulsory Year 1 and 2 Economics courses. Remaining 13 AUs from 3 <sup>rd</sup> and 4 <sup>th</sup> year Economics courses that yield the highest CGPA.
HE1002		Macroeconomic Principles	3		
HE1005		Intro to Probability & Statistical Inference	3		
HE2005		Principles of Econometrics	3		
		Economics Course 1 Economics Course 2 Economics Course 3 Economics Course 4	3 3 3 4		
<b>Major PE</b>	MA48xx	Aerospace Engineering PE 1	3	6 AUs	
	MA48xx	Aerospace Engineering PE 2	3		
<b>General Education Requirements (GER)</b>	<b>GER-Core</b>	HW0110	Effective Communication	2	17 AUs
		HW0210	Technical Communication	2	
		HW0310	Professional Communication	2	
		MA0101	Singapore Studies	3	
	MA0100	Environmental Sustainability	3		
	<b>GER-PE</b>	-	GER-PE	3	
<b>GER-UE</b>	-	GER-UE	2		
<b>TOTAL</b>				<b>138 AUs (IO) / 142 AUs (IA)</b>	

\*\* Students without 'A' level Physics will read FE1012/PH1012 Physics A (4 AUs)