

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

For students admitted to **First Year Engineering in AY2011/12**

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	
Discipline Requirement	Core	FE1011/ PH1011	Physics**	3	90 AUs (IO) / 94 AUs (IA)
		FE1006/ MH1810	Mathematics 1	3	
		FE1007/ 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	
		MA2071	Laboratory Experiments	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		
	UE	HE1001	Microeconomic Principles	3	25 AUs 12 AUs from compulsory Year 1 and 2 Economics courses. Remaining 13 AUs from 3 rd and 4 th 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		
Major PE	MA48xx MA48xx	Aerospace Engineering PE 1 Aerospace Engineering PE 2	3 3	6 AUs	
	GER-Core	HW0110	Effective Communication	2	17 AUs
HW0210		Technical Communication	2		
HW0310		Professional Communication	2		
MA0101		Singapore Studies	3		
MA0100		Environmental Sustainability	3		
GER-PE	-	GER-PE	3		
	GER-UE	-	GER-UE	2	
TOTAL				138 AUs (IO) / 142 AUs (IA)	

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