

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

Students admitted from AY2018/2019

List of courses that contribute towards GPA Computation for BEng (Aerospace Engineering)				AU Load		
Discipline Requirement	Core	PH1011	Physics**	3	91 (PA) / 96 (PI)	
		MH1810	Mathematics 1	3		
		MH1811	Mathematics 2	3		
		MA1008	Introduction to Computational Thinking	3		
		MA1001	Dynamics	3		
		MA1700	Aerospace Discovery Course	1		
		MA1701	Introduction to Aerospace Engineering	3		
		MA2001	Mechanics of Materials	3		
		MA2003	Introduction to Thermo-fluids	3		
		MA2005	Engineering Graphics	3		
		MA2006	Engineering Mathematics	3		
		MA2007	Thermodynamics	3		
		MA2072	Laboratory Experiments (AE)	1		
		MA2079	Engineering Innovation and Design	2		
		MA2700	Aerospace Materials & Manufacturing Processes	3		
		MA2701	Flight Performance	2		
		MA3003	Heat Transfer	3		
		MA3006	Fluid Mechanics	3		
		MA3072	Engineering Experiments (AE)	1		
		MA3075/ MA3080	Professional Attachment / Professional Internship	5/ 10		
		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	3			
	MA4702	Aircraft Structures II	3			
	MA4704	Aeroelasticity	3			
	MA4705	Aircraft Navigation and Flight Computers	3			
	UE	HE1001	Microeconomic Principles	3		24 AU 12 AU from compulsory Year 1 and 2 Economics courses. Remaining 12 AU 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	Aerospace Engineering PE 1	3	6		
	MA48xx	Aerospace Engineering PE 2	3			
General Education Requirements (GER)	GER-Core	HW0188	Engineering Communication I	2	14	
		HW0288	Engineering Communication II	2		
		ML0003	Kickstart your Career Success	1		
		MA2018	Data Science and Artificial Intelligence	3		
		GC0001	Introduction to Sustainability	1		
		HY0001	Ethics and Moral Reasoning	1		
		ET0001	Entrepreneurship and Innovation	1		
	MA0101	Engineers and Society	3			
GER-UE	-	GER-UE	5	5 (PA only)		
TOTAL				140		

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

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Discipline Requirement	Core	HE1001	Microeconomic Principles	3	33
		HE1002	Macroeconomic Principles	3	
		HE1005	Intro to Probability & Statistical assumption	3	
		HE2001	Intermediate Microeconomics	3	
		HE2002	Intermediate Macroeconomics	3	
		HE2005	Principles of Econometrics	3	
		HE3021	Intermediate Econometrics	3	
		HE4010	Singapore Economy in a Globalized World	4	
	MA4079	Final Year Project	8	39	
	Major PE	HExxxx	Economics PE1		3
		HExxxx	Economics PE2		3
		HExxxx	Economics PE3		3
		HExxxx	Economics PE4		3
		HExxxx	Economics PE5		3
		HExxxx	Economics PE6		3
		HExxxx	Economics PE7		3
		HExxxx	Economics PE8		3
		HExxxx	Economics PE9		3
		HExxxx	Economics PE10		4
		HExxxx	Economics PE11		4
		HExxxx	Economics PE12	4	
	UE	PH1011	Physics **	3	19 AU from all Year 1 Engineering courses
		MH1810	Mathematics 1	3	
		MH1811	Mathematics 2	3	
		MA1008	Introduction to Computational Thinking	3	
		MA1001	Dynamics	3	
		MA1700	Aerospace Discovery Course	1	
		MA1701	Introduction to Aerospace Engineering	3	
		MA2001	Mechanics of Materials	3	
		MA2003	Introduction to Thermo-fluids	3	
		MA2005	Engineering Graphics	3	
		MA2006	Engineering Mathematics	3	
		MA2007	Thermodynamics	3	
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		HW0288	Engineering Communication II	2	
		ML0003	Kickstart your Career Success	1	
		MA2018	Data Science and Artificial Intelligence	3	
		GC0001	Introduction to Sustainability	1	
		HY0001	Ethics and Moral Reasoning	1	
		ET0001	Entrepreneurship and Innovation	1	
		MA0101	Engineers and Society	3	
TOTAL				125	

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