

Double Degree in Bachelor of Engineering (Aerospace Engineering) and Bachelor of Social Science (Economics)

Students admitted from AY2020/2021 ** Students without 'A' level Physics will read PH1012 Physics A (4 AU)

List of courses that contribute towards GPA Computation for BEng (Aerospace Engineering)				AU Load
Discipline Requirement	Core	PH1011	Physics**	3
		MH1810	Mathematics 1	3
		MH1811	Mathematics 2	3
		MA1008	Introduction to Computational Thinking	3
		MA1001	Dynamics	3
		MA1700	Aerospace Discovery Course	1
		XXXXXX	Engineering Fundamentals 2	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
		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
		MA48xx	Aerospace Engineering PE 2	3
General Education Requirements (GER)	GER-Core	HW0188	Effective Communication	2
		HW0288	Engineering Communication	2
		ML0003	Kickstart your Career Success	1
		MA0218	Introduction to Data Science and Artificial Intelligence	3
		GC0001	Sustainability: Seeing Through The Haze	1
		HY0001	Ethics and Moral Reasoning	1
		ET0001	Enterprise & Innovation	1
		EG0001	Engineers and Society	3
	GER-UE	-	GER-UE	5
TOTAL				140

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List of courses that contribute towards GPA Computation for BSocSci (Economics)				AU Load			
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			
	Major PE	MA4079	Final Year Project	8	39		
		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			
	UE	HExxxx	Economics PE12	4	22 AU from all Year 1 Engineering courses		
		PH1011	Physics **	3			
		MH1810	Mathematics 1	3			
		MH1811	Mathematics 2	3			
		MA1008	Introduction to Computational Thinking	3			
		MA1001	Dynamics	3			
		MA1700	Aerospace Discovery Course	1			
		XXXXXX	Engineering Fundamentals 2	3			
		MA2003	Introduction to Thermo-fluids	3			
		MA2001	Mechanics of Materials	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				
General Education Requirements (GER)		GER-Core	MA3006	Fluid Mechanics		3	Remaining 17 AU from 1 st , 2 nd and 3 rd Year engineering courses that yield the highest CGPA
			MA3072	Engineering Experiments (AE)		1	
			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			
	HW0188		Effective Communication	2			
	HW0288		Engineering Communication	2			
	ML0003		Kickstart your Career Success	1			
	MA0218		Introduction to Data Science and Artificial Intelligence	3			
	GC0001		Sustainability: Seeing Through The Haze	1			
	HY0001		Ethics and Moral Reasoning	1			
ET0001	Enterprise & Innovation	1					
EG0001	Engineers and Society	3					
TOTAL				125			