

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 BA (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	
	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	
		Remaining 20 AU from 1 st , 2 nd and 3 rd Year engineering courses that yield the highest CGPA	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	
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	
General Education Requirements (GER)	GER-Core	HW0188	Engineering Communication I	2	14
		HW0288	Engineering Communication II	2	
		ML0003	Kickstart your Career Success	1	
		MA0218	Introduction to 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)

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

Students admitted from AY2018/2019

List of courses that contribute towards GPA Computation for BA (Economics) – Mainstream				AU Load	
Discipline Requirement	Core	HE1001	Microeconomic Principles	3	33
		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 Globalized World	4	
		MA4079	Final Year Project	8	
	Major PE	HExxxx	Economics PE1	3	39
		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	
		MA1002	Fundamental Engineering Materials	3	
		FE1073	Introduction to Engineering & Practices	1	Remaining 20 AU from 1 st , 2 nd and 3 rd Year engineering courses that yield the highest CGPA
		MA2001	Mechanics of Materials	3	
		MA2002	Theory of Mechanism	3	
		MA2003	Introduction to Thermo-fluids	3	
		MA2004	Manufacturing Processes	3	
		MA2005	Engineering Graphics	3	
MA2006		Engineering Mathematics	3		
MA2007		Thermodynamics	3		
MA2009		Introduction to Electrical Circuits & Electronic Devices	3		
MA2071		Laboratory Experiments (ME)	1		
MA2079		Engineering Innovation and Design	2		
MA3001		Machine Element Design	3		
MA3002		Solid Mechanics and Vibration	3		
MA3003		Heat Transfer	3		
MA3004		Mathematical Methods in Engineering	3		
MA3005		Control Theory	3		
MA3006		Fluid Mechanics	3		
MA3071		Engineering Experiments (ME)	1		
General Education Requirements (GER)	GER-Core	HW0188	Engineering Communication I	2	14
		HW0288	Engineering Communication II	2	
		ML0003	Kickstart your Career Success	1	
		MA0218	Introduction to Data Science and Artificial Intelligence	3	
		GC0001	Introduction to Sustainability	1	
		HY0001	Ethics and Moral Reasoning	1	
		ET0001	Entrepreneurship and Innovation	1	
		MA0101	Engineers & Society	3	
TOTAL				125	

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

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

Students admitted from AY2018/2019

List of courses that contribute towards GPA Computation for BA (Economics) – Design/Robotics and Mechatronics Stream				AU Load				
Discipline Requirement	Core	HE1001	Microeconomic Principles	3	33			
		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 Globalized World	4				
		MA4079	Final Year Project	8				
	Major PE	HExxxx	Economics PE1	3	39			
		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				
	Discipline Requirement	PH	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			
			MA1002	Fundamental Engineering Materials	3			
			FE1073	Introduction to Engineering & Practices	1			
		UE	MA2001	Mechanics of Materials	3	Remaining 20 AU from 1 st , 2 nd and 3 rd Year Engineering courses that yield the highest CGPA		
			MA2002	Theory of Mechanism	3			
			MA2003	Introduction to Thermo-fluids	3			
			MA2004	Manufacturing Processes	3			
			MA2005	Engineering Graphics	3			
MA2006			Engineering Mathematics	3				
MA2009			Introduction to Electrical Circuits & Electronic Devices	3				
MA2011/MA2013			Mechatronics Systems Interfacing/ Creative Thinking and Design	3				
MA2012/MA2014			Introduction to Mechatronics Systems Design/ Product Presentation	3				
MA2071			Laboratory Experiments (ME)	1				
MA2079			Engineering Innovation and Design	2				
MA3001			Machine Element Design	3				
MA3002			Solid Mechanics and Vibration	3				
MA3004			Mathematical Methods in Engineering	3				
MA3005			Control Theory	3				
MA3006			Fluid Mechanics	3				
MA3010			Thermodynamics and Heat Transfer	3				
MA3071			Engineering Experiments (ME)	1				
General Education Requirements (GER)			GER-Core	HW0188	Engineering Communication I		2	14
				HW0288	Engineering Communication II		2	
	ML0003	Kickstart your Career Success		1				
	MA0218	Introduction to Data Science and Artificial Intelligence		3				
	GC0001	Introduction to Sustainability		1				
	HY0001	Ethics and Moral Reasoning		1				
	ET0001	Entrepreneurship and Innovation		1				
	MA0101	Engineers & Society		3				
TOTAL				125				

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