

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

For students admitted to **First Year BA (Economics) from AY2016/2017**

List of courses that contribute towards GPA Computation for BA (Economics)				AU Load	
Discipline Requirement	Core	HE1001	Microeconomic Principles	3	33 AUs
		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 AUs	
	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 AUs from all Year 1 Engineering courses
		MH1810	Mathematics 1	3	
		MH1811	Mathematics 2	3	
		FE1008	Computing	3	
		MA1001	Dynamics	3	
		MA1700	Aerospace Discovery Course	1	
		MA1701	Introduction to Aerospace Engineering	3	Remaining 23 AUs from 2nd and 3rd 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	12 AUs
		HW0288	Engineering Communication II	2	
		ML0001	Absolute Basics for Career	1	
		ML0002	Career Power Up!	1	
		GC0001	Introduction to Sustainability	1	
		HY0001	Ethics and Moral Reasoning	1	
		ET0001	Entrepreneurship and Innovation	1	
		MA0101	Engineers and Society	3	
TOTAL				126 AUs	

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

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

For students admitted to **First Year BA (Economics) from AY2016/2017**

List of courses that contribute towards GPA Computation for BA (Economics) – for Mainstream

List of courses that contribute towards GPA Computation for BA (Economics) – for Mainstream				AU Load	
Discipline Requirement	Core	HE1001	Microeconomic Principles	3	33 AUs
		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	39 AUs	
	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 AUs from all Year 1 Engineering courses
		MH1810	Mathematics 1	3	
		MH1811	Mathematics 2	3	
		FE1008	Computing	3	
		MA1001	Dynamics	3	
		MA1002	Fundamental Engineering Materials	3	
		FE1073	Introduction to Engineering & Practices	1	Remaining 23 AUs from 2nd and 3rd 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	12 AUs
		HW0288	Engineering Communication II	2	
		ML0001	Absolute Basics for Career	1	
		ML0002	Career Power Up!	1	
		GC0001	Introduction to Sustainability	1	
		HY0001	Ethics and Moral Reasoning	1	
		ET0001	Entrepreneurship and Innovation	1	
		MA0101	Engineers & Society	3	
TOTAL				126 AUs	

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

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

For students admitted to **First Year BA (Economics) from AY2016/2017**

List of courses that contribute towards GPA Computation for BA (Economics) – for Design/Mechatronics Stream

List of courses that contribute towards GPA Computation for BA (Economics) – for Design/Mechatronics Stream				AU Load	
Discipline Requirement	Core	HE1001	Microeconomic Principles	3	33 AUs
		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	39 AUs	
	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 AUs from all Year 1 Engineering courses
		MH1810	Mathematics 1	3	
		MH1811	Mathematics 2	3	
		FE1008	Computing	3	
		MA1001	Dynamics	3	
		MA1002	Fundamental Engineering Materials	3	
		FE1073	Introduction to Engineering & Practices	1	
		MA2001	Mechanics of Materials	3	Remaining 23 AUs from 2nd and 3rd 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	12 AUs
		HW0288	Engineering Communication II	2	
		ML0001	Absolute Basics for Career	1	
		ML0002	Career Power Up!	1	
		GC0001	Introduction to Sustainability	1	
		HY0001	Ethics and Moral Reasoning	1	
		ET0001	Entrepreneurship and Innovation	1	
		MA0101	Engineers & Society	3	
TOTAL				126 AUs	

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