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

#### Students admitted from AY2019/2020

ist of courses tha	t contribute t		A Computation for BA (Economics)		AU Load
		HE1001	Microeconomic Principles	3	1
	Core	HE1002	Macroeconomic Principles	3	33
		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	
	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	30
		HExxxx	Economics PE7	3	39
		HExxxx	Economics PE8	3	1
		HExxxx	Economics PE9	3	-
		HExxxx	Economics PE10	4	
		HExxxx	Economics PE11	4	1
		HExxxx	Economics PE12	4	
		PH1011	Physics **	3	
Discipline		MH1810	Mathematics 1	3	19 AU from all
Requirement		MH1811	Mathematics 2	3	Year 1
oqun omont		MA1008	Introduction to Computational Thinking	3	Engineering courses
		MA1001	Dynamics	3	
		MA1700	Aerospace Discovery Course	1	
		MA1700	Introduction to Aerospace Engineering	3	1
		MA2001	Mechanics of Materials	3	<u> </u>
		MA2001 MA2003	Introduction to Thermo-fluids	3	- - -
		MA2003 MA2005		3	
			Engineering Graphics	3	
		MA2006	Engineering Mathematics	3	-
	UE	MA2007	Thermodynamics	1	
	UE	MA2072	Laboratory Experiments (AE)		
		MA2079	Engineering Innovation and Design	2	Remaining
		MA2700	Aerospace Materials & Manufacturing Processes	3	20 AU from 1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>rd</sup> Yea engineering courses that yie the highest CGPA
		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	ļ
	GER-Core	HW0188	Engineering Communication I	2	14
General Education Requirements (GER)		HW0288	Engineering Communication II	2	
		ML0003	Kickstart your Career Success	1	
		MA0218	Introduction to Data Science and Artificial	3	
			Intelligence		
		GC0001	Introduction to Sustainability	1	
		HY0001	Ethics and Moral Reasoning	1	
		ET0001	Entrepreneurship and Innovation	1	
		EG0001	Engineers and Society	3	
	•			TAL	125

<sup>\*\*</sup> 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 AY2019/2020

List of courses that contribute towards GPA Computation for BA (Economics) – Mainstream					AU Load	
		HE1001	Microeconomic Principles	3		
	Core	HE1002	Macroeconomic Principles	3		
		HE1005	Intro to Probability & Statistical Inference	3	33	
		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		
		HExxxx	Economics PE1	3		
		HExxxx	Economics PE2	3	=	
		HExxxx	Economics PE3	3		
		HExxxx	Economics PE4	3		
		HExxxx	Economics PE5	3		
		HEXXXX	Economics PE6	3		
	Major PE	HExxxx	Economics PE7	3	39	
		HExxxx	Economics PE8	3	39	
		HEXXXX	Economics PE9	3		
		HEXXXX	Economics PE10	4		
		HEXXXX	Economics PE11	4		
		HEXXXX	Economics PE12	4		
		PH1011	Physics **	3		
Discipline		MH1810	Mathematics 1	3		
Requirement		MH1811	Mathematics 2	3	19 AU from all Year 1 Engineering courses	
(cquirement		MA1008	Introduction to Computational Thinking	3		
		MA1001	Dynamics	3		
		MA1001	Fundamental Engineering Materials	3		
		FE1073	Introduction to Engineering & Practices	1		
		MA2001	Mechanics of Materials	3		
		MA2001	Theory of Mechanism	3	Remaining <b>20 AU</b> from 1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>r</sup> Year engineering courses that yield the highest CGPA	
		MA2002	Introduction to Thermo-fluids	3		
		MA2003	Manufacturing Processes	3		
		MA2004 MA2005		3		
	UE		Engineering Graphics	3		
	UE	MA2006	Engineering Mathematics			
		MA2007 MA2009	Thermodynamics Introduction to Electrical Circuits &	3		
			Electronic Devices			
		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		
	GER-Core	HW0188	Engineering Communication I	2	_	
		HW0288	Engineering Communication II	2	14	
General Education Requirements (GER)		ML0003	Kickstart your Career Success	1		
		MA0218	Introduction to Data Science and Artificial	3		
			Intelligence	ļ		
		GC0001	Introduction to Sustainability	1		
		HY0001	Ethics and Moral Reasoning	1		
(GER)						
(GER)		ET0001 EG0001	Entrepreneurship and Innovation Engineers & Society	1 3		

<sup>\*\*</sup> Students without 'A' level Physics will read PH1012 Physics A (4 AU)

# <u>Double Degree in Bachelor of Engineering (Mechanical Engineering) and Bachelor of Arts (Economics)</u> Students admitted from AY2019/2020

			GPA Computation for Mechatronics Stream		AU Load
A (Economics)	Design/NOI	HE1001	Microeconomic Principles	3	
		HE1001	Macroeconomic Principles  Macroeconomic Principles	3	-
		HE1002	Intro to Probability & Statistical Inference	3	
		HE2001	Intermediate Microeconomics	3	-
	Core	HE2002	Intermediate Microeconomics	3	33
		HE2005	Principles of Econometrics	3	
		HE3021	Intermediate Econometrics	3	
		HE4010	Singapore Economy in a Globalized World	4	
		MA4079	Final Year Project	8	
		HExxxx	Economics PE1	3	
		HEXXXX	Economics PE2	3	
				3	-
		HEXXXX	Economics PE3	3	39
		HEXXXX	Economics PE4		
		HEXXXX	Economics PE5	3	
	Major PE	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	
		PH1011	Physics **	3	
		MH1810	Mathematics 1	3	
Discipline		MH1811	Mathematics 2	3	19 AU from all
		MA1008	Introduction to Computational Thinking	3	Year 1 Engineerir courses
Requirement		MA1001	Dynamics	3	
		MA1002	Fundamental Engineering Materials	3	
		FE1073	Introduction to Engineering & Practices	1	
		MA2001	Mechanics of Materials	3	Remaining <b>20 AU</b> from 1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>rd</sup> 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	
	UE	MA2009	Introduction to Electrical Circuits & Electronic Devices	3	
		MA2011/ MA2013	Mechatronics Systems Interfacing/ Creative Thinking and Design	3	
		MA2012/	Introduction to Mechatronics Systems	+	
		MA2014	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	
	GER-Core	HW0188	Engineering Communication I	2	14
		HW0288	Engineering Communication II	2	
General Education Requirements (GER)		ML0003	Kickstart your Career Success	1	
		MA0218	Introduction to Data Science and Artificial	3	
		000001	Intelligence	+_	
		GC0001	Introduction to Sustainability	1	
		HY0001	Ethics and Moral Reasoning	1	
		ET0001	Entrepreneurship and Innovation Engineers & Society	3	
		EG0001			

<sup>\*\*</sup> Students without 'A' level Physics will read PH1012 Physics A (4 AU)