<u>Double Degree in Bachelor of Engineering (Aerospace Engineering) and Bachelor of Social Science (Economics)</u>

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

			lents without 'A' level Physics will read PH1012 Physi	CS A (4	
LIST OF COURSES tha	t contribute t		A Computation for BSocSci (Economics)	2	AU Load
		HE1001	Microeconomic Principles	3	-
		HE1002	Macroeconomic Principles		-
		HE1005	Intro to Probability & Statistical assumption	3	-
		HE2001	Intermediate Microeconomics	3	20
	Core	HE2002	Intermediate Macroeconomics	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	
		HExxxx	Economics PE3	3	
		HExxxx	Economics PE4	3	ļ
		HExxxx	Economics PE5	3	ļ
	Major PE	HExxxx	Economics PE6	3	39
		HExxxx	Economics PE7	3	
		HExxxx	Economics PE8	3	ļ
		HExxxx	Economics PE9	3	ļ
		HExxxx	Economics PE10	4	ļ
		HExxxx	Economics PE11	4	
		HExxxx	Economics PE12	4	
		PH1011	Physics **	3	
Discipline		MH1810	Mathematics 1	3	22 AU from all
Requirement		MH1811	Mathematics 2	3	Year 1
		MA1008	Introduction to Computational Thinking	3	Engineering
		MA1001	Dynamics	3	courses
		MA1700	Aerospace Discovery Course	1	
		XXXXXX	Engineering Fundamentals 2	3]
		MA2003	Introduction to Thermo-fluids	3	
		MA2001	Mechanics of Materials	3	ļ
		MA2005	Engineering Graphics	3]
		MA2006	Engineering Mathematics	3]
		MA2007	Thermodynamics	3	ļ
	UE	MA2072	Laboratory Experiments (AE)	1	Remaining 17 AU from 1st, 2nd and 3rd Year engineering courses that yield the highest CGPA
		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	ļ
		MA3702	Aircraft Propulsion	3	
		MA3703	Flight Dynamics	2	ļ
		MA3704	Aircraft Electrical Devices	3	ļ
		MA3705	Aerospace Control Theory	3	
		HW0188	Effective Communication	2	ļ
General		HW0288	Engineering Communication	2	ļ
		ML0003	Kickstart your Career Success	1	ļ
General		MA0218	Introduction to Data Science and Artificial	3	
General Education					i .
Education	GER-Core		Intelligence		14
Education Requirements	GER-Core	GC0001	Sustainability: Seeing Through The Haze	1	14
Education	GER-Core	GC0001 HY0001	Sustainability: Seeing Through The Haze Ethics and Moral Reasoning	1 1	14
Education Requirements	GER-Core	GC0001 HY0001 ET0001	Sustainability: Seeing Through The Haze Ethics and Moral Reasoning Enterprise & Innovation	1 1 1	14
Education Requirements	GER-Core	GC0001 HY0001	Sustainability: Seeing Through The Haze Ethics and Moral Reasoning Enterprise & Innovation Engineers and Society	1 1 1 3 OTAL	125

<u>Double Degree in Bachelor of Engineering (Mechanical Engineering) and Bachelor of Social Science (Economics)</u>

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

			* Students without 'A' level Physics will read PH	1012 PI	nysics A (4 AU)
List of courses BSocSci (Econo		AU Load			
		HE1001	Microeconomic Principles	3	
		HE1002	Macroeconomic Principles	3	
		HE1005	Intro to Probability & Statistical Inference	3	
		HE2001	Intermediate Microeconomics	3	
	Core	HE2002	Intermediate Macroeconomics	3	33
		HE2005	Principles of Econometrics	3	33
		HE3021	Intermediate Econometrics	3	
		HE4010	Singapore Economy in a Globalized World	4	
		MA4079	Final Year Project	8	
		HExxxx	Economics PÉ1	3	
		HExxxx	Economics PE2	3	
		HExxxx	Economics PE3	3	
		HExxxx	Economics PE4	3	
		HExxxx	Economics PE5	3	
	Major	HEXXXX	Economics PE6	3	
	PE	HEXXXX	Economics PE7	3	39
		HEXXXX	Economics PE8	3	
		HEXXXX	Economics PE9	3	
Discipline		HEXXXX	Economics PE10	4	
		HEXXXX	Economics PE11	4	
		HEXXXX	Economics PE12	4	
		PH1011	Physics **	3	
		MH1810	Mathematics 1	3	
Requirement		MH1811	Mathematics 2	3	22 AU from all
Requirement	UE	MA1008	Introduction to Computational Thinking	3	Year 1
			Dynamics	3	Engineering
		MA1001 XXXXXX	Engineering Fundamentals 2	3	courses
		FE1073	Introduction to Engineering & Practices	1	Courses
		MA2003	Introduction to Engineering & Fractices Introduction to Thermo-fluids	3	
		MA2001	Mechanics of Materials	3	
		MA2002	Theory of Mechanism	3	
		MA2004	Manufacturing Processes	3	
				3	
		MA2005 MA2006	Engineering Graphics	3	
			Engineering Mathematics	3	
		MA2007	Thermodynamics Introduction to Electrical Circuits & Electronic		Damainin a 47 All
		MA2009	Devices	3	Remaining 17 AU from 1 st , 2 nd and 3 rd
		MA2071	Laboratory Experiments (ME)	1	Year engineering
		MA2079	Engineering Innovation and Design	2	courses that yield
		MA3001	Machine Element Design	3	the highest CGPA
		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	Effective Communication	2	
		HW0288	Engineering Communication	2	1
		ML0003	Kickstart your Career Success	1	
General		MA0218	Introduction to Data Science and Artificial	3	
Education			Intelligence		, .
Requirements		GC0001	Sustainability: Seeing Through The Haze	1	14
(GER)	33.0	HY0001	Ethics and Moral Reasoning	1 1	
		ET0001	Entrepreneurship and Innovation	1 1	
		EG0001	Engineers & Society	3	
	<u> </u>			OTAL	125

<u>Double Degree in Bachelor of Engineering (Mechanical Engineering) and Bachelor of Social Science (Economics)</u>

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

List of courses th	nat contribute	e towards G	GPA Computation for		AU Load
DOUGUI (ECONOR	mes) – pesig		and Mechatronics Stream Microeconomic Principles	3	T
		HE1001		3	
		HE1002	Macroeconomic Principles	3	-
		HE1005 HE2001	Intro to Probability & Statistical Inference Intermediate Microeconomics	3	
	Coro	HE2002	Intermediate Microeconomics	3	33
	Core	HE2002		3	
		HE3021	Principles of Econometrics Intermediate Econometrics	3	
		HE4010		4	
		MA4079	Singapore Economy in a Globalized World Final Year Project	8	
		HExxxx	Economics PE1	3	
		HEXXXX	Economics PE1	3	
		HEXXXX	Economics PE3	3	
		HEXXXX	Economics PE4	3	39
	ļ	HEXXXX	Economics PE5	3	
		HEXXXX	Economics PE6	3	
	Major PE	HEXXXX	Economics PE7	3	
		HEXXXX	Economics PE8	3	
		HEXXXX	Economics PE9	3	}
		HExxxx	Economics PE10	4	
		HEXXXX	Economics PE10	4	
		HEXXXX	Economics PE11	4	
Discipline Requirement		PH1011	Physics **	3	
		MH1810	Mathematics 1	3	
		MH1811	Mathematics 2	3	
		MA1008	Introduction to Computational Thinking	3	22 AU from all
		MA1001	Dynamics	3	Year 1 Engineering courses
		XXXXXX	Engineering Fundamentals 2	3	
		FE1073	Introduction to Engineering & Practices	1	
		MA2003	Introduction to Thermo-fluids	3	
		MA2001	Mechanics of Materials	3	
		MA2002	Theory of Mechanism	3	Remaining 17 AU from 1 st , 2 nd and 3 rd Year Engineering courses that yield
		MA2004	Manufacturing Processes	3	
		MA2005	Engineering Graphics	3	
		MA2006	Engineering Mathematics	3	
	UE	MA2009	Introduction to Electrical Circuits &	3	
			Electronic Devices		
		MA2011/	Mechatronics Systems Interfacing/	3	
		MA2013 MA2012/	Creative Thinking and Design Introduction to Mechatronics Systems	+	
		MA2012/ MA2014	Design/ Product Presentation	3	
		MA2014	Laboratory Experiments (ME)	1	
		MA2079	Engineering Innovation and Design	2	the highest CGPA
		MA3001	Machine Element Design	3	}
		MA3001	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	
		HW0188	Effective Communication	2	
		HW0288	Engineering Communication	2	
l		ML0003	Kickstart your Career Success	1	
General			Introduction to Data Science and Artificial	3	
Education	GER-Core	MA0218	Introduction to Data Science and Artificial Intelligence	3	14
Education Requirements	GER-Core	MA0218	Intelligence	3	14
Education	GER-Core	MA0218 GC0001	Intelligence Sustainability: Seeing Through The Haze		14
Education Requirements	GER-Core	MA0218 GC0001 HY0001	Intelligence Sustainability: Seeing Through The Haze Ethics and Moral Reasoning	1	14
Education Requirements	GER-Core	MA0218 GC0001	Intelligence Sustainability: Seeing Through The Haze	1 1	14