## $\underline{\textbf{Double Degree in Bachelor of Engineering (Mechanical Engineering)}} \ \textbf{and Bachelor of Social Science (Economics)}$

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

			GPA Computation for		AU Load	
BEng (Mechanic	cal Engineer				AO LOGO	
		PH1011	Physics**	3		
		MH1810	Mathematics 1	3		
		MH1811	Mathematics 2	3		
		MA1008	Introduction to Computational Thinking	3		
		FE1073	Introduction to Engineering & Practices	1		
		MA1001	Dynamics	3	1	
		XXXXXX	Engineering Fundamentals 2	3		
		MA2001	Mechanics of Materials	3		
		MA2002	Theory of Mechanism	3		
		MA2003	Introduction to Thermo-fluids	3		
		MA2004	Manufacturing Processes	3	I	
		MA2005	Engineering Graphics	3		
		MA2006	Engineering Mathematics	3		
	C	MA2007	Thermodynamics	3	85 (PA)/ 90 (PI)	
	Core	MA2009	Introduction to Electrical Circuits & Electronic Devices	3		
		MA2071	Laboratory Experiments (ME)	1	` '	
		MA2079	Engineering Innovation and Design	2	<u> </u>	
		MA3001	Machine Element Design	3		
		MA3002	Solid Mechanics and Vibration	3		
		MA3003	Heat Transfer	3		
Discipline		MA3004	Mathematical Methods in Engineering	3		
Requirement		MA3005	Control Theory	3		
		MA3006	Fluid Mechanics	3		
		MA3071	Engineering Experiments (ME)	1		
		MA3075/	Professional Attachment / Professional	5/		
		MA3080	Internship	10		
		MA4001	Engineering Design	4		
		MA4002	Fluid Dynamics	3		
		MA4079	Final Year Project	8		
		HE1001	Microeconomic Principles	3	24 AU	
		HE1002	Macroeconomic Principles	3	12 AU from	
		HE1005	Intro to Probability & Statistical Inference	3	compulsory Year	
	UE	HE2005	Principles of Econometrics	3	and 2 Economics	
			'		courses.	
			Economics Course 1	3	Remaining 12 AL	
			Economics Course 2	3	from 3 <sup>rd</sup> and 4 <sup>th</sup>	
			Economics Course 3	3	year Economics	
			Economics Course 4	4	courses that yield	
				_	the highest CGPA	
		MA48xx	Mechanical Engineering PE 1	3		
	Major PE	MA48xx	Mechanical Engineering PE 2	3	12	
	_	MA48xx	Mechanical Engineering PE 3	3		
	GER- Core	MA48xx	Mechanical Engineering PE 4	3		
		HW0188	Effective Communication	2	<u></u> -	
		HW0288	Engineering Communication	2		
General Education		ML0003	Kickstart your Career Success	1	44	
		MA0218	Introduction to Data Science and Artificial	3		
		000004	Intelligence		14	
Requirements		GC0001	Sustainability: Seeing Through The Haze	1		
(GER)		HY0001	Ethics and Moral Reasoning			
		ET0001	Entrepreneurship and Innovation	1		
	GER-UE	EG0001	Engineers and Society GER-UE	3 5	5 (PA only)	

## Double Degree in Bachelor of Engineering (Mechanical 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  BSocSci (Economics) – Mainstream  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 PE1	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	-	
		HExxxx	Economics PE10	4		
Discipline		HExxxx	Economics PE11	4		
		HEXXXX	Economics PE12	4		
		PH1011	Physics **	3	-	
		MH1810	Mathematics 1	3		
Requirement		MH1811	Mathematics 2	3	22 AU from all	
	UE	MA1008	Introduction to Computational Thinking	3	Year 1	
		MA1001	Dynamics Fundamentals 0	3	Engineering	
		XXXXXX	Engineering Fundamentals 2	3	courses	
		FE1073	Introduction to Engineering & Practices	1		
		MA2003 MA2001	Introduction to Thermo-fluids  Mechanics of Materials	3		
		MA2001	Theory of Mechanism	3		
		MA2002	Manufacturing Processes	3		
		MA2004	Engineering Graphics	3	-	
		MA2006	Engineering Graphics Engineering Mathematics	3	-	
		MA2007	Thermodynamics	3		
			Introduction to Electrical Circuits & Electronic		Remaining 17 AU	
		MA2009	Devices	3	from 1st, 2nd and 3	
		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	1	
		MA3071	Engineering Experiments (ME)	1		
	GER-	HW0188	Effective Communication	2		
General Education Reguirements		HW0288	Engineering Communication	2		
		ML0003	Kickstart your Career Success	1		
		MA0218	Introduction to Data Science and Artificial	3		
			Intelligence			
(GER)	Core	GC0001	Sustainability: Seeing Through The Haze	1	14	
(GER)		HY0001	Ethics and Moral Reasoning	1		
		ET0001	Entrepreneurship and Innovation	1		
		EG0001	Engineers & Society	3		
			•	TOTAL	125	

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

List of courses			** Students without 'A' level Physics will read PH1012 F GPA Computation for	riyoloo	•
			gn/Robotics and Mechatronics Stream		AU Load
g (oo	ougco.	PH1011	Physics**	3	
		MH1810	Mathematics 1	3	
		MH1811	Mathematics 2	3	
		MA1008	Introduction to Computational Thinking	3	
		FE1073	Introduction to Engineering & Practices	1	
		MA1001	Dynamics	3	
		XXXXXX	Engineering Fundamentals 2	3	
		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	
		MA2009	Introduction to Electrical Circuits & Electronic Devices	3	
		MA2011/	Mechatronics Systems Interfacing/	3	
	Core	MA2013	Creative Thinking and Design	٥	85 (PA) /
	Core	MA2012/	Introduction to Mechatronics Systems Design/	3	90 (Pl)
		MA2014	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	
Discipline		MA3005	Fluid Mechanics	3	
Requirement					
		MA3010	Thermodynamics & Heat Transfer	3	
		MA3071	Engineering Experiments (ME)	1	
		MA3075/ MA3080	Professional Attachment / Professional Internship	5/10	
		MA4011/	Engineering Product Design (Design Stream)/		
		MA4012	Mechatronics Engineering Design (Robotics and	4	
		WA4012	Mechatronics Stream)		
		MA4079	Final Year Project	8	
		HE1001	Microeconomic Principles	3	24 AU
		HE1002	Macroeconomic Principles	3	12 AU from
		HE1005	Intro to Probability & Statistical Inference	3	compulsory
		HE2005	Principles of Econometrics	3	Year 1 and 2
					Economics
					courses.
	UE		Francisco Osamo d	_	Remaining 12
			Economics Course 1	3	AU from 3 <sup>rd</sup>
			Economics Course 2	3	and 4th year
			Economics Course 3	3	Economics courses that yield the
			Economics Course 4	4	
					highest CGP.
		MA48xx	Mechanical Engineering Stream PE 1	3	,
	Major PE	MA48xx	Mechanical Engineering Stream PE 2	3	12
		MA48xx	Mechanical Engineering Stream PE 3	3	
		MA48xx	Mechanical Engineering Stream PE 4	3	
		HW0188	Effective Communication	2	14
	GER-Core	HW0288	Engineering Communication	2	
		ML0003	Kickstart your Career Success	1	
General		MA0218	Introduction to Data Science and Artificial Intelligence	3	
Education		GC0001		1	
Requirements			Sustainability: Seeing Through The Haze		
(GER)		HY0001	Ethics and Moral Reasoning	1	
. ,		ET0001	Entrepreneurship and Innovation	1	
		EG0001	Engineers & Society	3	- /
	GER-UE	-	GER-UE	5	5 (PA only)
				OTAL	140

## Double Degree in Bachelor of Engineering (Mechanical 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							
BSocSci (Econo	mics) – Desig		and Mechatronics Stream		AO LOUG		
		HE1001	Microeconomic Principles	3			
		HE1002	Macroeconomic Principles	3			
		HE1005	Intro to Probability & Statistical Inference	3			
	Core	HE2001	Intermediate Microeconomics	3	33		
		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			
	Major PE	HExxxx	Economics PE6	3	39		
	, 0	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			
Discipline		MH1810	Mathematics 1	3			
		MH1811	Mathematics 2	3	22 AU from all		
Requirement		MA1008	Introduction to Computational Thinking	3	Year 1 Engineering		
Requirement	UE	MA1001	Dynamics	3	courses		
		XXXXXX	Engineering Fundamentals 2	3	courses		
		FE1073	Introduction to Engineering & Practices	1	1		
		MA2003	Introduction to Thermo-fluids	3			
		MA2001	Mechanics of Materials	3			
		MA2002	Theory of Mechanism	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	Remaining 17 AU		
		MA2012/	Introduction to Mechatronics Systems	_	from 1st, 2nd and 3rd		
		MA2014	Design/ Product Presentation	3	Year Engineering		
		MA2071	Laboratory Experiments (ME)	1	courses that yield		
		MA2079	Engineering Innovation and Design	2	the highest CGPA		
		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			
		HW0188	Effective Communication	2			
General Education Requirements (GER)	GER-Core	HW0288	Engineering Communication	2			
		ML0003	Kickstart your Career Success	1			
		MA0218	Introduction to Data Science and Artificial	3			
			Intelligence		14		
		GC0001	Sustainability: Seeing Through The Haze	1			
		HY0001	Ethics and Moral Reasoning	1			
		ET0001	Entrepreneurship and Innovation	1			
		EG0001	Engineers and Society	3			
	•			TAL	125		
			<del>`</del>		-		