	that contribu	ite towards	GPA Computation for		AU Load
BEng (Mechanic	cal Engineer		tream		
		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	
		MA1002	Fundamental Engineering Materials	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	
	Core	MA2007	Thermodynamics	3	
		MA2009	Introduction to Electrical Circuits & Electronic Devices	3	85 (PA)/ 90 (PI)
		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	
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 1
		HE2005	Principles of Econometrics	3	and 2 Economics
	UE				courses.
	-		Economics Course 1	3	Remaining 12 AU
			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	the highest CGPA.
		MA48xx	Mechanical Engineering PE 1  Mechanical Engineering PE 2	3	
	Major PE	MA48xx	Mechanical Engineering PE 3	3	12
		MA48xx	Mechanical Engineering PE 4	3	
		HW0188	Engineering Communication I	2	
		HW0288	Engineering Communication II	2	1
		ML0003	Kickstart your Career Success	1	1
General	GER-	MA2018	Data Science and Artificial Intelligence	3	1
Education	Core	GC0001	Introduction to Sustainability	1	14
Requirements	3016	HY0001	Ethics and Moral Reasoning	1	1
(GER)		ET0001	Entrepreneurship and Innovation	1	-
		MA0101	Engineers & Society	3	-
	GER-UE	-	GER-UE	5	5 (PA only)
	GEN-02	<u>-</u>		TAL	140
			I C	'I AL	140

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

List of courses BA (Economics			GPA Computation for		AU Load
BA (Economics	) – Mainstrea	HE1001	Microeconomic Principles	3	
	Core	HE1002	Macroeconomic Principles	3	33
		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		
		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	
		HExxxx	Economics PE7	3	39
		HExxxx	Economics PE8	3	
		HExxxx	Economics PE9	3	
		HExxxx	Economics PE10	4	
		HExxxx	Economics PE11	4	
Discipline Requirement		HExxxx	Economics PE12	4	1
		PH1011	Physics **	3	
		MH1810	Mathematics 1	3	10.4117
		MH1811	Mathematics 2	3	Remaining 20 AU from 1st, 2nd and 3rd Year engineering courses
•		MA1008	Introduction to Computational Thinking	3	
		MA1001	Dynamics	3	
		MA1002	Fundamental Engineering Materials	3	
		FE1073	Introduction to Engineering & Practices	1	
		MA2001	Mechanics of Materials	3	
		MA2002	Theory of Mechanism	3	
		MA2003	Introduction to Thermo-fluids	3	
		MA2004	Manufacturing Processes	3	
		MA2005	Engineering Graphics	3	
	UE	MA2006	Engineering Mathematics	3	
	02	MA2007	Thermodynamics	3	
			Introduction to Electrical Circuits &		
		MA2009	Electronic Devices	3	
		MA2071	Laboratory Experiments (ME)	1	
		MA2079		2	
			Engineering Innovation and Design	3	
		MA3001 MA3002	Machine Element Design Solid Mechanics and Vibration	3	
				3	
		MA3003	Heat Transfer  Mathematical Methods in Engineering	3	
		MA3004	<u> </u>		-
		MA3005	Control Theory	3	
		MA3006	Fluid Mechanics	3	4
		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	
		MA2018	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

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

			GPA Computation for gn/Robotics and Mechatronics Stream		AU Load
g \moonann	Jan Enginoen	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	
		MA1002	Fundamental Engineering Materials	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	
			Introduction to Electrical Circuits &		
		MA2009	Electronic Devices	3	
		MA2011/	Mechatronics Systems Interfacing/	2	
		MA2013	Creative Thinking and Design	3	0F (DA) /
	Core	MA2012/	Introduction to Mechatronics Systems	3	85 (PA) / 90 (PI)
		MA2014	Design/ Product Presentation	3	30 (1 <sup>-1</sup> 1)
		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	
Discipline		MA3005	Control Theory	3	
Requirement		MA3006	Fluid Mechanics	3	
-		MA3010	Thermodynamics & Heat Transfer	3	
		MA3071	Engineering Experiments (ME)	1	
		MA3075/	Professional Attachment / Professional	5/10	
		MA3080	Internship	3/10	
			Engineering Product Design (Design		
		MA4011/	Stream)/ Mechatronics Engineering	4	
		MA4012	Design (Robotics and Mechatronics		
			Stream)		
		MA4079	Final Year Project	8	24 41
		HE1001	Microeconomic Principles	3	24 AU 12 AU from
		HE1002	Macroeconomic Principles	3	
		HE1005	Intro to Probability & Statistical	3	compulsory Year 1 and 2
		LEGGGE	Inference	2	Economics
		HE2005	Principles of Econometrics	3	courses.
	UE				Remaining <b>12 AU</b>
			Economics Course 1	3	from 3 <sup>rd</sup> and 4 <sup>th</sup>
			Economics Course 2	3	year Economics
			Economics Course 3	3	courses that yield
			Economics Course 4	4	the highest
					CGPĂ.
	Major PE	MA48xx	Mechanical Engineering Stream PE 1	3	
		MA48xx	Mechanical Engineering Stream PE 2	3	12
		MA48xx	Mechanical Engineering Stream PE 3	3	12
		MA48xx	Mechanical Engineering Stream PE 4	3	
General Education Requirements (GER)	GER-Core	HW0188	Engineering Communication I	2	
		HW0288	Engineering Communication II	2	
		ML0003	Kickstart your Career Success	1	
		MA2018	Data Science and Artificial Intelligence	3	14
		GC0001	Introduction to Sustainability	1	''
		HY0001	Ethics and Moral Reasoning	1	
		ET0001	Entrepreneurship and Innovation	1	
		MA0101	Engineers & Society	3	
	GER-UE	-	GER-UE	5	5 (PA only)
				OTAL	140

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

			SPA Computation for		AU Load
BA (Economics)	– Design/Roi		Mechatronics Stream		I
		HE1001	Microeconomic Principles	3	
		HE1002	Macroeconomic Principles	3	
		HE1005	Intro to Probability & Statistical Inference	3	
	Core	HE2001	Intermediate Microeconomics	3	
		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	
		HExxxx	Economics PE5	3	1
		HExxxx	Economics PE6	3	
	Major PE	HExxxx	Economics PE7	3	39
		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
Requirement		MA1008	Introduction to Computational Thinking	3	Year 1 Engineering
rtoquiromont		MA1001	Dynamics	3	courses
		MA1002	Fundamental Engineering Materials	3	
		FE1073	Introduction to Engineering & Practices	1	
		MA2001	Mechanics of Materials	3	
		MA2002	Theory of Mechanism	3	-
		MA2003	Introduction to Thermo-fluids	3	
		MA2004	Manufacturing Processes	3	
		MA2005	Engineering Graphics	3	1
		MA2006	Engineering Mathematics	3	1
	UE	WAZOOO	Introduction to Electrical Circuits &		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
		MA2009	Electronic Devices	3	
		MA2011/	Mechatronics Systems Interfacing/		
		MA2013	Creative Thinking and Design	3	
		MA2012/		+	
		MA2012/	Design/ Product Presentation	3	
			Laboratory Experiments (ME)	1	
		MA2071 MA2079	Engineering Innovation and Design	2	
				3	
		MA3001	Machine Element Design		
		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	
		MA2018	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	1
				TAL	125

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