BEng (Aerospace Engineering) and BSocSci (Economics) (wef AY2021/2022)

List of courses that	t contribute t	owards BSocSo	i (Economics)		AU Load
Discipline	Core	HE1001	Microeconomics I	3	32AU
Requirement		HE1002	Macroeconomics I	3	
		HE2001	Microeconomics II	3	
		HE2002	Macroeconomics II	3	
		HE2003	Econometrics I	3	
		HE3001	Microeconomics III	3	7
		HE3002	Macroeconomics III	3	7
		HE3003	Econometrics II	3	7
		MA4079	Final Year Project	8	7
	MPE	MH1820	Introduction to Probability and Statistical Methods	3	33AU
		HE3XXX	Econs PE1	3	-
		HE3XXX	Econs PE2	3	-
		HE3XXX	Econs PE3	3	-
		HE3XXX	Econs PE4	3	-
		HE3XXX	Econs PE5	3	-
		HE3XXX	Econs PE6	3	-
		HE4XXX	Econs PE7	4	-
		HE4XXX	Econs PE8	4	
		HE4XXX	Econs PE9	4	
-	BDE	MH1810	Mathematics 1	3	9AU from Year 1
		PH1011	Physics*	3	Engineering
		EG1001	,	3	graded Core
		MH1811	Engineers in Society Mathematics II		courses that
				3	yield the highest
		MA1001	Dynamics Introduction to Computational	3	CGPA.
		MA1008	Introduction to Computational Thinking	3	COI A.
_		MA1700	Aerospace Discovery Course	1	
	BDE	MA2001	Mechanics of Materials	3	21AU from Year
		MA2003	Introduction to Thermo-fluids	3	2 and 3
		MA2005	Engineering Graphics	3	Engineering
		MA2006	Engineering Mathematics	3	graded courses
		MA2072	Laboratory Experiments (AE)	1	that yield the
		MA2701	Flight Performance	2	highest CGPA +
		MA3700	Aircraft Structures I	3	5AU
		MA3701	Aerodynamics	3	(PA only)
		MA2007	Thermodynamics	3	
		MA2700	Aerospace Materials & Manufacturing Process	3	
		MA2079	Engineering Innovation and Design	2	7
		MA3006	Fluid Mechanics	3	1
		MA3705	Aerospace Control Theory	3	
		MA3003	Heat Transfer	3	1
		MA3072	Engineering Experiments (AE)	1	
		MA3702	Aircraft Propulsion	3	
		MA3703	Flight Dynamics	2	1
		MA3704	Aircraft Electrical Devices	3	1
		1417 (37 07	A TOTAL ELECTRICAL DEVICES		

Interdisciplinary Collaborative	Common Core	CC0001	Inquiry and Communication in the Interdisciplinary World	2	17AU
Core	Core	CC0002	Navigating the Digital World	2	
		CC0003	Ethics & Civics in a Multi-Cultural World	2	
		CC0005	Healthy Living & Wellbeing	3	
		CC0006	Sustainability: Society, Economy & Environment	3	
		CC0007	Science & Technology for Humanity	3	
		ML0004	Career and Entrepreneurial Development for the Future World	2	
	Foundational	HW0288	Engineering Communication	2	15AU
	Core	MA0218	Introduction to Data Science and Artificial Intelligence	3	or
		MA3080/	Professional Internship/	10/	
		MA3075^	Professional Attachment	5	10AU
					(PA only)
		TO	OTAL		127AU

^{*}Students without 'A' Level Physics will take 'PH1012 Physics A' (4AU).

[^]Students from U23 intake onwards will do MA3920 Professional Internship or MA3910 Professional Attachment instead

MEEC CGPA Computation (MAINSTREAM)

BEng (Mechanical Engineering) and BSocSci (Economics) (wef AY2021/2022)

st of courses that	contribute to	owards BSocSc	i (Econs)		AU Load
Discipline	Core	HE1001	Microeconomics I	3	32AU
Requirement		HE1002	Macroeconomics I	3	-
		HE2001	Microeconomics II	3	
		HE2002	Macroeconomics II	3	
		HE2003	Econometrics I	3	-
		HE3001	Microeconomics III	3	
		HE3002	Macroeconomics III	3	=
		HE3003	Econometrics II	3	
		MA4079	Final Year Project	8	
	MPE	MH1820	Introduction to Probability and Statistical Methods	3	33AU
		HE3XXX	Econs PE1	3	=
		HE3XXX	Econs PE2	3	
		HE3XXX	Econs PE3	3	
		HE3XXX	Econs PE4	3	
		HE3XXX	Econs PE5	3	1
		HE3XXX	Econs PE6	3	
		HE4XXX	Econs PE7	4	
		HE4XXX	Econs PE8	4	
		HE4XXX	Econs PE9	4	1
	BDE	MH1810	Mathematics 1	3	
		PH1011	Physics*	3	Engineering
		FE1073	An Introduction to Engineering & Practices	1	graded Core courses that
		EG1001	Engineers in Society	2	yield the highe
		MH1811	Mathematics II	3	CGPA.
		MA1001	Dynamics	3	-
		MA1001	Introduction to Computational Thinking	3	-
	BDE	MA2003	Introduction to Thermo-Fluids	3	21AU from Ye
	BDE	MA2001	Mechanics of Materials	3	2 and 3
		MA2001	Theory of Mechanism	3	Engineering
		MA2004	Manufacturing Processes	3	graded course
		MA2004	Engineering Mathematics	3	that yield the
		MA2009	Introduction to Electrical & Electronic Devices	3	highest CGPA 5AU
		MA2071	Laboratory Experiments	1	(PA only)
		MA2005	Engineering Graphics	3	-
			9 .	3	1
		MA2007	Thermodynamics Engineering Innovation and Design		-
		MA2079	Engineering Innovation and Design	2	-
		MA3001	Machine Element Design	3	4
		MA3006	Fluid Mechanics	3	1
		MA3002	Solid Mechanics and Vibration	3	1
		MA3003	Heat Transfer	3	4
		MA3004	Mathematical Methods in Engineering	3	4
		MA3005	Control Theory	3	

Ī		MA3071	Engineering Experiments (ME)	1	
		IVIASU71	Lingineering Experiments (WL)	1	
Interdisciplinary Collaborative	Common Core	CC0001	Inquiry and Communication in the Interdisciplinary World	2	17AU
Core		CC0002	Navigating the Digital World	2	
		CC0003	Ethics & Civics in a Multi-Cultural World	2	
		CC0005	Healthy Living & Wellbeing	3	
		CC0006	Sustainability: Society, Economy & Environment	3	
		CC0007	Science & Technology for Humanity	3	
		ML0004	Career and Entrepreneurial Development for the Future World	2	
	Foundational	HW0288	Engineering Communication	2	15AU
	Core	MA0218	Introduction to Data Science and Artificial Intelligence	3	or
		MA3080/	Professional Internship/ Professional	10/	
		MA3075^	Attachment	5	10AU
					(PA only)
		TO	TAL		127AU

^{*}Students without 'A' Level Physics will take 'PH1012 Physics A' (4AU)
^Students from U23 intake onwards will do MA3920 Professional Internship or MA3910 Professional Attachment instead

MEEC CGPA Computation (DESIGN STREAM)
BEng (Mechanical Engineering) and BSocSci (Economics) (wef AY2021/2022)

st of courses tha	t contribute t	owards BSoc	Sci (Econs)	А	AU Load	
Discipline	Core	HE1001	Microeconomics I	3	32AU	
Requirement		HE1002	Macroeconomics I	3		
		HE2001	Microeconomics II	3		
		HE2002	Macroeconomics II	3		
		HE2003	Econometrics I	3		
		HE3001	Microeconomics III	3		
		HE3002	Macroeconomics III	3		
		HE3003	Econometrics II	3		
		MA4079	Final Year Project	8		
	MPE	MH1820	Introduction to Probability and Statistical	3	33AU	
		WIT102U	Methods	0		
		HE3XXX	Econs PE1	3		
		HE3XXX	Econs PE2	3		
		HE3XXX	Econs PE3	3		
		HE3XXX	Econs PE4	3		
		HE3XXX	Econs PE5	3		
		HE3XXX	Econs PE6	3		
		HE4XXX	Econs PE7	4		
		HE4XXX	Econs PE8	4		
		HE4XXX	Econs PE9	4		
	BDE	MH1810	Mathematics 1	3	9AU from Year 1	
		PH1011	Physics*	3		
		FE1073	An Introduction to Engineering & Practices	1	Engineering	
		EG1001	Engineers in Society	2	graded Core	
		MH1811	Mathematics II	3	courses that	
		MA1001	Dynamics	3	yield the	
		MA1008	Introduction to Computational Thinking	3	highest CGPA.	
	BDE	MA2003	Introduction to Thermo-Fluids	3	21AU from	
		MA2001	Mechanics of Materials	3	Year 2 and 3	
		MA2002	Theory of Mechanism	3	Engineering	
		MA2004	Manufacturing Processes	3	graded	
		MA2006	Engineering Mathematics	3	courses that	
		MA2009	Introduction to Electrical & Electronic Devices	3	yield the highest	
		MA2071	Laboratory Experiments	1	CGPA +	
		MA2005	Engineering Graphics	3	5AU	
		MA2013	Creative Thinking and Design	3	(PA only)	
		MA2079	Engineering Innovation and Design	2		
		MA3001	Machine Element Design	3		
		MA3006	Fluid Mechanics	3		
		MA3002	Solid Mechanics and Vibration	3		
		MA3010	Thermodynamics and Heat Transfer	3		
		MA3004	Mathematical Methods in Engineering	3	1	
		MA3005	Control Theory	3	1	
		MA3071	Engineering Experiments (ME)	1	1	
		· · · · · · · · · · · · · · · · · · ·	(/	_	_1	

Interdisciplinary Collaborative	Common Core	CC0001	Inquiry and Communication in the Interdisciplinary World	2	17AU
Core		CC0002	Navigating the Digital World	2	
		CC0003	Ethics & Civics in a Multi-Cultural World	2	
		CC0005	Healthy Living & Wellbeing	3	
		CC0006	Sustainability: Society, Economy & Environment	3	
		CC0007	Science & Technology for Humanity	3	
		ML0004	Career and Entrepreneurial Development for the Future World	2	
	Foundational	HW0288	Engineering Communication	2	15AU
	Core	MA0218	Introduction to Data Science and Artificial Intelligence	3	or
		MA3080/	Professional Internship/ Professional	10/	
		MA3075^	Attachment	5	10AU
					(PA only)
			TOTAL	-	127AU

^{*}Students without 'A' Level Physics will take 'PH1012 Physics A' (4AU)
^Students from U23 intake onwards will do MA3920 Professional Internship or MA3910 Professional Attachment instead

MEEC CGPA Computation (ROBOTICS & MECHATRONICS STREAM)

BEng (Mechanical Engineering) and BSocSci (Economics) (wef AY2021/2022)

ist of courses tha	t contribute t	owards BSocSci (Econs)		AU Load	
Discipline	Core	HE1001	Microeconomics I	3	32AU
Requirement		HE1002	Macroeconomics I	3	
		HE2001	Microeconomics II	3	
		HE2002	Macroeconomics II	3	
		HE2003	Econometrics I	3	
		HE3001	Microeconomics III	3	
		HE3002	Macroeconomics III	3	
		HE3003	Econometrics II	3	
		MA4079	Final Year Project	8	
	MPE	MH1820	Introduction to Probability and Statistical Methods	3	33AU
		HE3XXX	Econs PE1	3	
		HE3XXX	Econs PE2	3	
		HE3XXX	Econs PE3	3	_
		HE3XXX	Econs PE4	3	
		HE3XXX	Econs PE5	3	1
		HE3XXX	Econs PE6	3	
		HE4XXX	Econs PE7	4	
		HE4XXX	Econs PE8	4	
		HE4XXX	Econs PE9	4	
ļ	BDE	MH1810	Mathematics 1	3	9AU fro
		PH1011	Physics*	3	Year 1
		FE1073	An Introduction to Engineering & Practices	1	Engineer graded
		EG1001	Engineers in Society	2	Core
		MH1811	Mathematics II	3	course
		MA1001	Dynamics	3	that yie
		MA1008	Introduction to Computational Thinking	3	the high CGPA.
ŀ	BDE	MA2003	Introduction to Thermo-Fluids	3	21AU fro
		MA2001	Mechanics of Materials	3	Year 2 a
		MA2002	Theory of Mechanism	3	3
		MA2004	Manufacturing Processes	3	Engineer
		MA2006	Engineering Mathematics	3	graded
		MA2009	Introduction to Electrical & Electronic Devices	3	course that yie
		MA2071	Laboratory Experiments	1	the high
		MA2005	Engineering Graphics	3	CGPA +
			Introduction to Mechatronics		5AU
		MA2012	Systems Design	3	(PA only
		MA2079	Engineering Innovation and Design	2	1
		MA3001	Machine Element Design	3	1
		MA3006	Fluid Mechanics	3	1
		MA3002	Solid Mechanics and Vibration	3	1
		MA3010	Thermodynamics and Heat	3	1

		N4A2004	Mathematical Methods in	2]
		MA3004	Engineering	3	
		MA3005	Control Theory	3	
		MA3071	Engineering Experiments (ME)	1	
		MA2011	Mechatronics System Interfacing	3	
Interdisciplinary Collaborative	Common Core	CC0001	Inquiry and Communication in the Interdisciplinary World	2	17AU
Core		CC0002	Navigating the Digital World	2	
		CC0003	Ethics & Civics in a Multi-Cultural World	2	
		CC0005	Healthy Living & Wellbeing	3	
		CC0006	Sustainability: Society, Economy & Environment	3	
		CC0007	Science & Technology for Humanity	3	
		ML0004	Career and Entrepreneurial Development for the Future World	2	
	Foundational	HW0288	Engineering Communication	2	15AU
	Core	MA0218	Introduction to Data Science and Artificial Intelligence	3	or
		MA3080/	Professional Internship/	10/	
		MA3075^	Professional Attachment	5	10AU
					(PA only)
		TO) TAL		127AU

^{*}Students without 'A' Level Physics will take 'PH1012 Physics A' (4AU)

[^]Students from U23 intake onwards will do MA3920 Professional Internship or MA3910 Professional Attachment instead

MEEC CGPA Computation (INTELLIGENT MANUFACTUING STREAM)

BEng (Mechanical Engineering) and BSocSci (Economics) (wef AY2022/2023)

List of courses tha			Sci (Econs)		J Load
Discipline	Core	HE1001	Microeconomics I	3	32AU
Requirement		HE1002	Macroeconomics I	3	
		HE2001	Microeconomics II	3	
		HE2002	Macroeconomics II	3	
		HE2003	Econometrics I	3	
		HE3001	Microeconomics III	3	
		HE3002	Macroeconomics III	3	
		HE3003	Econometrics II	3	
		MA4079	Final Year Project	8	
	MPE	MH1820	Introduction to Probability and Statistical Methods	3	33AU
		HE3XXX	Econs PE1	3	
		HE3XXX	Econs PE2	3	
		HE3XXX	Econs PE3	3	
		HE3XXX	Econs PE4	3	
		HE3XXX	Econs PE5	3	
		HE3XXX	Econs PE6	3	
		HE4XXX	Econs PE7	4	
		HE4XXX	Econs PE8	4	
		HE4XXX	Econs PE9	4	
	BDE	MH1810	Mathematics 1	3	9AU from
	552	PH1011	Physics*	3	Year 1
			An Introduction to Engineering &		Engineering
		FE1073	Practices	1	graded
		EG1001	Engineers in Society	2	Core
		MH1811	Mathematics II	3	courses
		MA1001	Dynamics	3	that yield
		MA1008	Introduction to Computational Thinking	3	the highest CGPA.
	BDE	MA2003	Introduction to Thermo-Fluids	3	21AU from
		MA2001	Mechanics of Materials	3	Year 2 and
		MA2002	Theory of Mechanism	3	3
		MA2004	Manufacturing Processes	3	Engineering
		MA2006	Engineering Mathematics	3	graded
		MA2009	Introduction to Electrical & Electronic Devices	3	courses that yield
		MA2071	Laboratory Experiments	1	the highest
		MA2005	Engineering Graphics	3	CGPA +
		MA2012	Introduction to Mechatronics Systems Design	3	5AU (PA only)
		MA2079	Engineering Innovation and Design	2	
		MA3001	Machine Element Design	3	
		MA3006	Fluid Mechanics	3	
		MA3002	Solid Mechanics and Vibration	3	
		MA3010	Thermodynamics and Heat Transfer	3	
		MA3004	Mathematical Methods in Engineering	3	

İ		****	0 . 17		İ
		MA3005	Control Theory	3	
		MA3071	Engineering Experiments (ME)	1	
		MA2011	Mechatronics System Interfacing	3	
Interdisciplinary	Common	CC0001	Inquiry and Communication in the	2	17AU
Collaborative	Core	CC0001	Interdisciplinary World	2	
Core		CC0002	Navigating the Digital World	2	
		CC0003	Ethics & Civics in a Multi-Cultural World	2	
		CC0005	Healthy Living & Wellbeing	3	
		CC0006	Sustainability: Society, Economy & Environment	3	
		CC0007	Science & Technology for Humanity	3	
		ML0004	Career and Entrepreneurial Development for the Future World	2	
	Foundational	HW0288	Engineering Communication	2	15AU
	Core	MA0218	Introduction to Data Science and Artificial Intelligence	3	or
		MA3080/	Professional Internship/	10/	
		MA3075^	Professional Attachment	5	10AU
					(PA only)
					,,
	<u> </u>	то	TAL		127AU

^{*}Students without 'A' Level Physics will take 'PH1012 Physics A' (4AU)

[^]Students from U23 intake onwards will do MA3920 Professional Internship or MA3910 Professional Attachment instead