MEEC CGPA Computation (MAINSTREAM)

BEng (Mechanical Engineering) and BSocSci (Economics) (wef AY2025/2026 Intake onwards)

List of courses that	contribute towards BS		2025/2026 Intake onwards)		AU Load
	Contribute towards BS	HE1001	Microeconomics I	3	AU Load 32AU
Discipline Boguiroment	Core				32AU
Requirement		HE1002 HE2001	Macroeconomics I	3	
			Microeconomics II	3	
		HE2002	Macroeconomics II		
		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 Year 1
		PH1011	Physics*	3	Engineering graded
		FE1073	An Introduction to Engineering & Practices	1	Core courses that
		EG1001	Engineers in Society	2	yield the highest
		MH1811	Mathematics II	3	CGPA.
		MA1001	Dynamics	3	
		MA1008	Introduction to Computational Thinking	3	
	BDE	MA2003	Introduction to Thermo-Fluids	3	18AU from Year 2
		MA2001	Mechanics of Materials	3	and 3 Engineering
		MA2002	Theory of Mechanism	3	graded courses that
		MA2004	Manufacturing Processes	3	yield the highest
		MA2006	Engineering Mathematics	3	CGPA +
		MA2009	Introduction to Electrical & Electronic Devices	3	5AU
		MA2071	Laboratory Experiments	1	(PA only)
		MA2005	Engineering Graphics	3	
		MA2007	Thermodynamics	3	
		MA2079	Engineering Innovation and Design	2	
		MA3001	Machine Element Design	3	
		MA3006	Fluid Mechanics	3	
		MA3002	Solid Mechanics and Vibration	3	
		MA3003	Heat Transfer	3	
		MA3004	Mathematical Methods in Engineering	3	
		MA3005	Control Theory	3	
		MA3071	Engineering Experiments (ME)	1	
Interdisciplinary Collaborative	Common Core	CC0001	Inquiry and Communication in an Interdisciplinary World	2	14AU
Core		CC0002	Navigating the Digital World	2	
		CC0003	Ethics & Civics in a Multi-Cultural World	2	
	ĺ			2	
		CC0015	Health & Wellbeing	/	
		CC0015 CC0006	Health & Wellbeing Sustainability: Society, Economy & Environment		
		CC0006	Sustainability: Society, Economy & Environment	3	
			Sustainability: Society, Economy & Environment Science & Technology for Humanity	3	
		CC0006 CC0007 ML0004	Sustainability: Society, Economy & Environment Science & Technology for Humanity Career Design & Workplace Readiness in the V.U.C.A World	3 3 2	
	Professional Series	CC0006 CC0007	Sustainability: Society, Economy & Environment Science & Technology for Humanity Career Design & Workplace Readiness in the V.U.C.A World Engineering Communication	3	16AU
	Professional Series	CC0006 CC0007 ML0004	Sustainability: Society, Economy & Environment Science & Technology for Humanity Career Design & Workplace Readiness in the V.U.C.A World Engineering Communication Introduction to Data Science and Artificial	3 3 2	16AU or
	Professional Series	CC0006 CC0007 ML0004 HW0288	Sustainability: Society, Economy & Environment Science & Technology for Humanity Career Design & Workplace Readiness in the V.U.C.A World Engineering Communication Introduction to Data Science and Artificial Intelligence	3 3 2 2	
	Professional Series	CC0006 CC0007 ML0004 HW0288 MA0218 MA3920/ MA3910	Sustainability: Society, Economy & Environment Science & Technology for Humanity Career Design & Workplace Readiness in the V.U.C.A World Engineering Communication Introduction to Data Science and Artificial Intelligence Professional Internship/ Professional Attachment	3 3 2 2 3 10/ 5	or 11 AU
		CC0006 CC0007 ML0004 HW0288 MA0218 MA3920/	Sustainability: Society, Economy & Environment Science & Technology for Humanity Career Design & Workplace Readiness in the V.U.C.A World Engineering Communication Introduction to Data Science and Artificial Intelligence	3 3 2 2 3 10/	or
	Professional Series Care, Serve, Learn (CSL)	CC0006 CC0007 ML0004 HW0288 MA0218 MA3920/ MA3910	Sustainability: Society, Economy & Environment Science & Technology for Humanity Career Design & Workplace Readiness in the V.U.C.A World Engineering Communication Introduction to Data Science and Artificial Intelligence Professional Internship/ Professional Attachment	3 3 2 2 3 10/ 5	or 11 AU

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

	BEng (M		ingineering) and BSocSci (Economics) (2025/2026 Intake onwards)		
List of courses tha	nt contribute towards E	,	,		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	_
	14DF	MA4079	Final Year Project	8	
	MPE	MH1820	Introduction to Probability and Statistical Methods	3	33AU
		HE3XXX	Econs PE1	3	-
		HE3XXX HE3XXX	Econs PE2 Econs PE3	3	-
		HE3XXX	Econs PE4	3	-
		HE3XXX	Econs PE5	3	-
		HE3XXX	Econs PE6	3	1
		HE4XXX	Econs PE7	4	1
		HE4XXX	Econs PE8	4	1
		HE4XXX	Econs PE9	4	1
	BDE	MH1810	Mathematics 1	3	9AU from Year 1
		PH1011	Physics*	3	Engineering graded
		FE1073	An Introduction to Engineering & Practices	1	Core courses that
		EG1001	Engineers in Society	2	yield the highest
		MH1811	Mathematics II	3	CGPA.
		MA1001	Dynamics	3]
		MA1008	Introduction to Computational Thinking	3	
	BDE	MA2003	Introduction to Thermo-Fluids	3	18AU from Year 2
		MA2001	Mechanics of Materials	3	and 3 Engineering
		MA2002	Theory of Mechanism	3	graded courses tha
		MA2004	Manufacturing Processes	3	yield the highest
		MA2006	Engineering Mathematics	3	CGPA +
		MA2009	Introduction to Electrical & Electronic Devices	3	5AU (PA only)
		MA2071	Laboratory Experiments	1	(PA Offiy)
		MA2005	Engineering Graphics	3	-
		MA2013	Creative Thinking and Design	3	_
		MA2079	Engineering Innovation and Design	2	4
		MA3001	Machine Element Design Fluid Mechanics	3	-
		MA3006	Solid Mechanics and Vibration	3	4
		MA3002 MA3010	Thermodynamics and Heat Transfer	3	1
		MA3004	Mathematical Methods in Engineering	3	1
		MA3005	Control Theory	3	1
		MA3071	Engineering Experiments (ME)	1	1
		MA2014	Product Presentation	3	
Interdisciplinary Collaborative	Common Core	CC0001	Inquiry and Communication in an Interdisciplinary World	2	14AU
Core		CC0002	Navigating the Digital World	2]
		CC0003	Ethics & Civics in a Multi-Cultural World	2]
		CC0015	Health & Wellbeing	2]
		CC0006	Sustainability: Society, Economy & Environment	3	1
		CC0007	Science & Technology for Humanity	3	1
		ML0004	Career Design & Workplace Readiness in the	2	
			V.U.C.A World		
	Professional Series	HW0288	Engineering Communication	2	16AU
		MA0218	Introduction to Data Science and Artificial Intelligence	3	or
		MA3920/ MA3910	Professional Internship/ Professional Attachment	10/ 5	11AU (PA only)
		MLxxxx	Profession Preparation	1	
	Care, Serve, Learn (CSL)		Service Learning	3	3
			TOTAL		125AU

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

MEEC CGPA Computation (ROBOTICS & MECHATRONICS STREAM) BEng (Mechanical Engineering) and BSocSci (Economics) (wef AY2025/2026 Intake onwards)

	contribute towards BS			-	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	
		HE3XXX	Econs PE6	3	
		HE4XXX	Econs PE7	4	
		HE4XXX	Econs PE8	4	
		HE4XXX	Econs PE9	4	
	BDE	MH1810	Mathematics 1	3	9AU from Ye
		PH1011	Physics*	3	1 Engineerii
		FE1073	An Introduction to Engineering & Practices	1	graded Cor
		EG1001	Engineers in Society	2	courses tha
		MH1811	Mathematics II	3	yield the
		MA1001	Dynamics	3	highest CGP
		MA1008	Introduction to Computational Thinking	3	
	BDE	MA2003	Introduction to Thermo-Fluids	3	18AU from
	DDL	MA2001	Mechanics of Materials	3	Year 2 and
		MA2002	Theory of Mechanism	3	Engineerin
			·	3	graded cours
		MA2004	Manufacturing Processes	3	that yield th
		MA2006	Engineering Mathematics		highest CGP/
		MA2009	Introduction to Electrical & Electronic Devices	3	5AU
		MA2071	Laboratory Experiments	1	(PA only)
		MA2005	Engineering Graphics	3	(17101117)
		MA2012	Introduction to Mechatronics Systems Design	3	
		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	
		MA3005	Control Theory	3	
		MA3071	Engineering Experiments (ME)	1	
		MA2011	Mechatronics System Interfacing	3	
nterdisciplinary Collaborative	Common Core	CC0001	Inquiry and Communication in an Interdisciplinary World	2	14AU
Core		CC0002	Navigating the Digital World	2	
		CC0003	Ethics & Civics in a Multi-Cultural World	2	
		CC0015	Health & Wellbeing	2	
		CC0006	Sustainability: Society, Economy & Environment	3	
		CC0007	Science & Technology for Humanity	3	
		ML0004	Career Design & Workplace Readiness in the V.U.C.A World	2	
	Professional Series	HW0288	Engineering Communication	2	16AU
	. To to solo har series		Introduction to Data Science and Artificial		or
		MA0218	Intelligence	3	
		MA3920/	Professional Internship/ Professional Attachment	10/	11AU (DA only)
		MA3910 MLxxxx	Profession Preparation	5 1	(PA only)
	Care, Serve, Learn	IVILAAAA			•
	(CSL)		Service Learning	3	3
	V /	L	TOTAL		

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

MEEC CGPA Computation (INTELLIGENT MANUFACTUING STREAM) BEng (Mechanical Engineering) and BSocSci (Economics) (wef AY2025/2026 Intake onwards)

List of courses tha	st of courses that contribute towards BSocSci (Econs)				
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 Year
		PH1011	Physics*	3	1 Engineering
		FE1073	An Introduction to Engineering & Practices	1	graded Core
		EG1001	Engineers in Society	2	courses that
		MH1811	Mathematics II	3	yield the
		MA1001	Dynamics	3	highest CGPA.
		MA1008	Introduction to Computational Thinking	3	
	BDE	MA2003	Introduction to Thermo-Fluids	3	18AU from
		MA2001	Mechanics of Materials	3	Year 2 and 3
		MA2002	Theory of Mechanism	3	Engineering
		MA2004	Manufacturing Processes	3	graded course
		MA2006	Engineering Mathematics	3	that yield the
		MA2009	Introduction to Electrical & Electronic Devices	3	highest CGPA +
		MA2071	Laboratory Experiments	1	5AU
		MA2005	Engineering Graphics	3	(PA only)
		MA2012	Introduction to Mechatronics Systems Design	3	
		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	
		MA3005	Control Theory	3	
		MA3071	Engineering Experiments (ME)	1	
		MA2011	Mechatronics System Interfacing	3	
Interdisciplinary Collaborative	Common Core	CC0001	Inquiry and Communication in an Interdisciplinary World	2	14AU
Core		CC0002	Navigating the Digital World	2	
		CC0003	Ethics & Civics in a Multi-Cultural World	2	
		CC0015	Health & Wellbeing	2	
		CC0006	Sustainability: Society, Economy & Environment	3	
		CC0007	Science & Technology for Humanity	3	
		ML0004	Career Design & Workplace Readiness in the V.U.C.A World	2	
	Professional Series	HW0288	Engineering Communication	2	16AU
		MA0218	Introduction to Data Science and Artificial Intelligence	3	or
		MA3920/	Professional Internship/ Professional Attachment	10/	11 AU (PA only)
		MA3910		5 1	(FA UTITY)
	Care, Serve, Learn	MLxxxx	Profession Preparation		2
	(CSL)		Service Learning	3	125411
			TOTAL 2 Physics A' (4AU).		125AU

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