

AY2024-25 MTEC CGPA Computation

BEng (Materials Engineering) and BSocSci (Economics) (wef AY2024/2025 Intake onwards)

List of courses that contribute towards BSocSci (Econs)				AU Load	
Discipline Requirement	Core	HE1001	Microeconomic I	3	32 AU
		HE1002	Macroeconomic I	3	
		HE2003	Econometrics I	3	
		HE2001	Microeconomic II	3	
		HE2002	Macroeconomic II	3	
		HE3001	Microeconomic III	3	
		HE3002	Macroeconomic III	3	
		HE3003	Econometrics II	3	
		MS4089	Final Year Project	8	
	Major PE	MH1820	Introduction to Probability and Statistical Methods	3	33 AU
		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	PH1011/12	Physics**	3	9 AU from Year 1 Engineering graded Core courses that yield the highest CGPA.
		MH1810	Mathematics I	3	
		EG1001	Engineer & Society	2	
		MS1008	Introduction to Computational Thinking	3	
		MS1011	Materials Matter	1	
		MS1013	Materials Chemistry I	2	
		MS1014	Materials Chemistry II	2	
		MS1017	Introduction to Materials Science	2	
		MS1018	Properties of Materials	2	
		MS1016	Thermodynamics of Materials	3	
		MH2811	Mathematics II	3	21 AU from Year 2 and 3 Engineering graded courses that yield the highest CGPA.
		MS2012	Introduction to Manufacturing	3	
		MS2013	Introduction to Polymer Science	3	
		MS2083	Polymer Lab	1	
		MS2014	Materials Structure and Defects	3	
		MS2015	Mechanical Behaviour of Materials	3	
		MS2016	Phase Transformation and Kinetics	3	
		MS2018	Electronic & Magnetic Properties of Materials	3	
		MS3011	Metallic & Ceramic Materials	3	
		MS3012	Micro/Nanoelectronic Materials Processing	3	+ 5 AU (PA only)
		MS3013	Corrosion of Materials	3	
		MS3082	Design Lab	1	

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		MS3014	Analysis of Materials	3	
		MS3015	Materials Aspect in Design	3 4	
CFICC	Common Core	CC0003	Ethics & Civics in a Multi-Cultural World	2	17 AU
		CC0005	Healthy Living & Mental Wellbeing	3	
		CC0001	Inquiry and Communication in the Interdisciplinary World	2	
		CC0002	Navigating the Digital World	2	
		CC0007	Science & Technology for Humanity	3	
		ML0004	Career and Entrepreneurial Development for the Future World	3	
		CC0006	Sustainability: Society, Economy & Environment	2	
		Foundational Core	MS0003	Introduction to Data Science and Artificial Intelligence	
	HW0288		Effective Communication 2	2	
	MS3920/MS3910		Professional Internship/Professional Attachment	10/5	
TOTAL				127 AU	

** Students without 'A' level Physics will take PH1012 Physics A (4AU)