

BEng (Civil) and BSocSci (Economics) CGPA Computation (wef AY2025/2026 Intake onwards)

List of courses that contribute towards BSocSci (Econs)				AU Load	
Discipline Requirement	Core	HE1001	Microeconomic I	3	32 AUs
		HE1002	Macroeconomic 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	
		CV4911	Final Year Project	8	
	Major PE	MH1820	Introduction to Probability and Statistical Methods	3	33 AUs
		HExxxx	Econs PE1	3	
		HExxxx	Econs PE2	3	
		HExxxx	Econs PE3	3	
		HExxxx	Econs PE4	3	
		HExxxx	Econs PE5	3	
		HExxxx	Econs PE6	3	
		HExxxx	Econs PE7	4	
		HExxxx	Econs PE8	4	
		HExxxx	Econs PE9	4	
	BDE	PH1011	Physics**	3	27 AU 9AU from Year 1 Engineering graded Core courses that yield the highest CGPA. Remaining 18 AU from Year 2 and 3 Engineering graded courses that yield the highest CGPA. + 5 AU (PA Option)
		MH1810	Mathematics 1	3	
		MH1811	Mathematics 2	3	
		FE1073	Introduction to Engineering & Practices	1	
		CV1011	Mechanics of Materials	4	
		CV1012	Fluid Mechanics	3	
		CV1013	Civil Engineering Materials	3	
		CV1014	Introduction to Computational Thinking	3	
		CV1711	Civil Engineering Drawing	1	
		CV2011	Structural Analysis I	3	
		CV2012	Structural Analysis II	3	
		CV2013	Engineering Geology & Soil Mechanics	3	
		CV2014	Geotechnical Engineering	3	
		CV2019	Matrix Algebra & Computational Methods	3	
		CV2020	Water Resources Engineering	3	
		CV2711	Civil Engineering Laboratory A	1	
		CV2712	Civil Engineering Laboratory B	1	
		CV3011	Reinforced Concrete Design	3	
		CV3012	Steel Design	3	
		CV3013	Foundation Engineering	3	
		CV3014	Transportation Engineering	3	
		CV3017	Environmental Engineering	2	
		CV3016	Construction Technology & Processes	3	
		EG1001	Engineers in Society		
Interdisciplinary Collaborative Core	Common Core	CC0001	Inquiry and Communication in the Interdisciplinary World	2	14 AUs
		CC0003	Ethics & Civics in a Multi-Cultural World	2	
		ML0004	Career Design & Workplace Readiness in the V.U.C.A World	2	
		CC0015	Health & Wellbeing	2	
		CC0006	Sustainability: Society, Economy & Environment	3	
		CC0007	Science & Technology for Humanity	3	
	Professional Series	CV0003	Introduction to Data Science and Artificial Intelligence	3	16 AUs (PI Option) / 11 AUs (PA Option)
		HW0288	Engineering Communication	2	
		CV3920/ CV3910	Professional Internship / Professional Attachment	10/ 5	
		MLXXXX	Profession Preparation	1	
	Care, Serve, Learn (CSL)		Service Learning	3	3 AU
Total AUs					125 AUs

** Students without 'A' level Physics will take PH1012 (FE1012) Physics A (4AU)