

CVEC CGPA Computation (wef AY25-26 Intake onwards)

List of courses that contribute towards BEng (Civil Engineering)				AU Load		
Discipline Requirement	Core	PH1011	Physics**	3	80 AUs	
		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		
		CV4012	Project Planning & Management	2		
		CV4711	Seminars & Site Visits	1		
		CV4911	Final Year Project	8		
		CV4912	Integrated Design	3		
		EG1001	Engineers in Society	2		
		MH1820	Introduction to Probability and Statistical Methods	3		
		BDE	HE1001	Microeconomic I	3	18 AUs 15 AUs from compulsory Year 1 & 2 Economics courses. Remaining 3 AUs from Year 3 and 4 Economics PE that yield the highest CGPA. + 3 AU (PI Option) + 8 AU (PA Option)
			HE1002	Macroeconomic I	3	
			HE2001	Microeconomic II	3	
			HE2002	Macroeconomic II	3	
HE2003			Econometrics I	3		
HExxxx			Economics PE Course 1	3		
Major PE		CV4xxx	Core Elective 1	3	3 AUs	
Interdisciplinary Collaborative Core	Common Core	CC0001	Inquiry and Communication in the Interdisciplinary World	2	17 AUs	
		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 Core	CV0003	Introduction to Data Science and Artificial Intelligence		3
	HW0288		Engineering Communication	2		
CV3920/ CV3910	Professional Internship / Professional Attachment		10/5			
Total AUs				136/137 AUs		

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