AY2021-22 CVEC CGPA Computation

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	15 AUs (PI Option)/ 10 AUs (PA Option)
		HW0288	Engineering Communication	2	
		CV3914/ CV3915	Professional Internship / Professional Attachment	10/5	
				Total AUs	**136/137 AUs**

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

AY2021-22 ENEC CGPA Computation

List of courses that contribute towards BEng (Environmental 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	
		CV1014	Introduction to Computational Thinking	3	
		CV1711	Engineering Drawing and 3D Building Information Modelling	1	
		CV2011	Structural Analysis I	3	
		CV2020	Water Resources Engineering	3	
		CV4012	Project Planning & Management	2	
		EN1001	Environmental Chemistry	3	
		EN2002	Environmental Biology and Microbiology	3	
		EN2003	Water Supply Engineering	3	
		EN2004	Soil Environment and Soil Mechanics	3	
		EN2711	Environmental Engineering Laboratory A	1	
		EN2712	Environmental Engineering Laboratory B	1	
		EN3001	Solid & Hazardous Waste Management	3	
		EN3002	Wastewater Engineering	3	
		EN3003	Environmental Transport Processes	3	
		EN3004	Air Pollution Control Engineering	3	
		EN3006	Energy Resource Engineering	3	
		EN4001	Environmental Impact Analysis & Monitoring	3	
		EN4003	Environmental Systems Analysis	2	
		EN4711	Seminars & Site Visits	1	
		EN4911	Final Year Project	8	
		EN4912	Integrated Design	3	
		EG1001	Engineers in Society	2	
		MH1820	Intro to Probability & Statistics Inference	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	EN4xxx	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	15 AUs (PI Option)/ 10 AUs (PA Option)
		HW0288	Engineering Communication	2	
		CV3914/ CV3915	Professional Internship / Professional Attachment	10 /5	
				Total AUs	**136/137 AUs**

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