BEng (Civil Engineering) and BSocSci (Economics) *(wef AY2020/2021)*

List of courses that contribute towards BEng (Civil Engineering)				AU Load	
Discipline Requirement	**Core**	PH1011	Physics**	3	88 AUs (PA Option) 93 AUs (PI 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	
		CV3015	Environmental Engineering	3	
		CV3016	Construction Technology & Processes	3	
		CV3914/ CV3915	Professional Internship / Professional Attachment	10 / 5	
		CV4011	Project Planning & Management	3	
		CV4711	Seminars & Site Visits	1	
		CV4911	Final Year Project	8	
		CV4912	Integrated Design	3	
		-	Engineering Fundamentals 2	3	
		HE1005	Intro to Probability of Statistical Inference	3	
	UE	HE1001	Microeconomic Principles	3	**21 AUs** 9 AUs from compulsory Year 1 & 2 Economics courses. Remaining 12 AUs from the rest of the Economics courses that yield the highest CGPA.
		HE1002	Macroeconomic Principles	3	
		HE2005	Principles of Econometrics	3	
		HExxxx	Economics Course 1	3	
		HExxxx	Economics Course 2	3	
		HExxxx	Economics Course 3	3	
		HExxxx	Economics Course 4	4	
	Major PE	CV4XXX	Core Elective 1	3	9 AUs
		CV4XXX	Core Elective 2	3	
		CV4XXX	Core Elective 3	3	
General Education Requirements (GER)	**GER-Core**	CV0001	Civil Engineering and Sustainable Built Environment	3	16 AUs
		EG0001	Engineers and Society	3	
		CV0003	Intro to Data Sc. and Artificial Intelligence	3	
		HW0188	Effective Communication	2	
		HW0288	Engineering Communication	2	
		ML0003	Kickstart your Career Success	1	
		HY0001	Ethics and Moral Reasoning	1	
		ET0001	Entrepreneurship and Innovation	1	
	GER-UE		Elective	5	5 AUs (PA Option)
				Total AUs	**139/140 AUs**

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

BEng (Environmental Engineering) and BSocSci (Economics) *(wef from AY2020/2021)*

List of courses that contribute towards BEng (Environmental Engineering)					AU Load
Discipline Requirement	**Core**	PH1011	Physics**	3	88 AUs (PA Option) 93 AUs (PI Option)
		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	
		CV4011	Project Planning & Management	3	
		EN1001	Environmental Chemistry	3	
		EN2002	Environmental Biology and Microbiology	3	
		EN2003	Water Supply Engineering	3	
		EN2004	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	
		EN3914/ EN3915	Professional Internship / Professional Attachment	10 / 5	
		EN4001	Environmental Impact Analysis & Monitoring	3	
		EN4002	Environmental Systems Analysis	3	
		EN4711	Seminars & Site Visits	1	
		EN4911	Final Year Project	8	
		EN4912	Integrated Design	3	
		-	Engineering Fundamentals 2	3	
		HE1005	Intro to Probability & Statistics Inference	3	
	UE	HE1001	Microeconomic Principles	3	21 AUs ~~12~~ 9 AUs from compulsory Year 1 and 2 Economics courses. Remaining ~~9~~ 12 AUs from the rest of the Economics courses that yield the highest CGPA.
		HE1002	Macroeconomic Principles	3	
		HE2005	Principles of Econometrics	3	
		HExxxx	Economics Course 1	3	
		HExxxx	Economics Course 2	3	
		HExxxx	Economics Course 3	3	
		HExxxx	Economics Course 4	4	
	Major PE	EN4XXX	Core Elective 1	3	9 AUs
		EN4XXX	Core Elective 2	3	
		EN4XXX	Core Elective 3	3	
General Education Requirements (GER)	**GER-Core**	EG0001	Engineers and Society	3	16 AUs
		CV0003	Intro to Data Sc. and Artificial Intelligence	3	
		EN0002	Environmental Issues and Sustainability	3	
		HW0188	Effective Communication	2	
		HW0288	Engineering Communication	2	
		ML0003	Kickstart your Career Success	1	
		HY0001	Ethics and Moral Reasoning	1	
		ET0001	Entrepreneurship and Innovation	1	
	GER-UE		Elective	5	5 AUs (PA option)
			Total AUs		**139/140 AUs**

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