

BEng (Civil Engineering) and BA (Economics) (wef AY2018/2019) – Last Updated on 11 Dec 2018

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 & Practises	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				
		CV2015	Hydraulics	3				
		CV2016	Hydrology	3				
		MH2814	Probability & Statistics	3				
		CV2019	Matrix Algebra & Computational Methods	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				
			UE	HE1001		Microeconomic Principles	3	21 AUs 12 AUs from compulsory Year 1 and 2 Economics courses. Remaining 9 AUs from 3 rd and 4 th year Economics courses that yield the highest CGPA.
				HE1002		Macroeconomic Principles	3	
HE1005	Intro to Probability & Statistical Inference			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	CV0002	Engineers and Society	3	14 AUs			
		CV0003	Intro to Data Sc. and Artificial Intelligence	3				
		HW0188	Engineering Communication I	2				
		HW0288	Engineering Communication II	2				
		ML0003	Kickstart your Career Success	1				
		GC0001	Introduction to Sustainability	1				
		HY0001	Ethics and Moral Reasoning	1				
	ET0001	Entrepreneurship and Innovation	1					
GER-PE	CV0001	Civil Engineering and Sustainable Built Environment	3	3 AUs				
GER-UE		Elective	5	5 AUs (PA Option)				
Total AUs					140/141 AUs			

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