

BEng (Environmental Engineering) and BA (Economics) (for AY2017/2018)

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		
		FE1008	Computing	3		
		FE1073	Introduction to Engineering & Practices	1		
		CV1011	Mechanics of Materials	4		
		CV1012	Fluid Mechanics	3		
		CV1711	Civil Engineering Drawing	1		
		CV2011	Structural Analysis I	3		
		CV2013	Engineering Geology & Soil Mechanics	3		
		CV2015	Hydraulics	3		
		CV2016	Hydrology	3		
		CV2018	Probability & Statistics	3		
		CV2019	Matrix Algebra & Computational Methods	3		
		CV3016	Construction Technology & Processes	3		
		CV4011	Project Planning & Management	3		
		EN1001	Environmental Chemistry	3		
		EN2001	Environmental Issues in a Changing World	3		
		EN2002	Environmental Biology and Microbiology	3		
		EN2003	Water Supply Engineering	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		
		EN3912 /	Professional Attachment / Professional	5 /		
		EN3911	Internship	10		
	EN4711	Seminars & Site Visits	1			
	EN4911	Final Year Project	8			
	EN4912	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	EN4XXX	Core Elective 1	3	9 AUs		
	EN4XXX	Core Elective 2	3			
	EN4XXX	Core Elective 3	3			
General Education Requirements (GER)	GER-Core	CV0002	Engineers and Society	3	12 AUs	
		HW0188	Engineering Communication I	2		
		HW0288	Engineering Communication II	2		
		ML0001	Absolute Basics for Career	1		

		ML0002	Career Power Up!	1	
		GC0001	Introduction to Sustainability	1	
		HY0001	Ethics and Moral Reasoning	1	
		ET0001	Entrepreneurship and Innovation	1	
	GER-PE (STS)	EN0001	Sustainability Practices for Urban and Marine Environment	3	3 AUs
	UE		Elective	5	5 AUs (PA option)
Total AUs					138 AUs

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