BEng (Materials Engineering) and BSocSci (Economics) (Students admitted from AY2020/2021)

List of courses that contribute towards BEng (Materials Engineering) AU Load					
PH1011/12 Physics** 3					
		MH1810	Mathematics I	3	
		MS1008	Introduction to Computational Thinking	3	
		MS1012		3	
	Core		Materials Physics		
		MS1013	Materials Chemistry I	3	
		MS1014	Materials Chemistry II	3	
		MS1015	Materials Science	3	
		MS1016	Thermodynamics of Materials	3	
		MH2811	Mathematics II	3	
		MS2012	Introduction to Manufacturing	3	
		MS2013	Polymers and Composites	3	
		MS2014	Materials Structure and Defects	3	
		MS2015	Mechanical Behaviour of Materials	3	
		MS2016	Phase Transformation and Kinetics	3	
		MS2018	Electronic & Magnetic Properties of Materials	3	88 AUs (PA Option)
		MS2081	Laboratory IIA	1	93 AUs (PI Option)
		MS2082	Laboratory IIB	1	
		MS3011	Metallic & Ceramic Materials	3	
Discipline		MS3012	Micro/Nanoelectronic Materials Processing	3	
Requirement		MS3013	Environmental Effects on Materials	3	
		MS3014	Analysis of Materials	3	
		MS3015	Materials Aspect in Design	3	
		MS3081	Laboratory III	1	
		MS3096/	Professional Attachment / Professional		
		MS3099	Internship	5/10	
		MS4012	Quality Control	3	
		MS4013	Biomaterials	3	
		MS4014	Nanomaterials: fundamentals and applications	3	
		MS4089	Final Year Project	8	
		EF2	Engineering Fundamentals 2	3	
		HE1001	Microeconomic Principles	3	12 AUs from
		HE1002	Macroeconomic Principles	3	compulsory Year 1
		HE1005	Intro to Probability & Statistical Inference	3	and 2 Economics
		HE2005	Principles of Econometrics	3	courses.
	UE	HExxxx	Economics Course 1	3	Remaining 12 AUs
		HExxxx	Economics Course 2	3	from 3 rd and 4 th year
		HExxxx	Economics Course 3	3	Economics courses
		HExxxx	Economics Course 4	4	that yield the highest
					CGPA.
		MS46xx	Materials Engineering PE1	3	
	Major PE	MS46xx	Materials Engineering PE2	3	9 AUs
		MS46xx	Materials Engineering PE3	3	
		HW0188	Effective Communication	2	
		HW0288	Engineering Communication	2	
		ML0003	Kickstart your Career Success	1	
General		GC0001	Introduction to Sustainability	1	
Education	GER (Core)	HY0001	Ethics and Moral Reasoning	1	14 AUs
Requirements		ET0001	Entrepreneurship and Innovation	1	
(GER)		EG0001	Engineers and Society	3	
		MS0003	Introduction to Data Science and Artificial	3	
			Intelligence		
	GER - UE		Elective	4	5 AUs (PA Option)
			TOTAL		140/141 AUs

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