BEng (BioEngineering) and BA (Economics) (Students admitted from AY2019/2020)

List of courses that contribute to BEng (BioEngineering)					AU Load	
	Core	PH1011*	Physics	3	770 2000	
Discipline	00.0	BG1101	Introduction to Biomedical Engineering	2		
Requirement		MH1810	Mathematics 1	3		
		BG1103	Chemistry	3		
		BG1105	Materials Science	3		
		BG1103 BG1117	Engineering Mathematics	4		
				-		
		BG1109	Anatomy & Physiology	3		
		BG1131	Molecular Cell Biology for Biomedical	4		
		DC4004	Engineers	4		
		BG1801	Bioengineering Lab 1a	1		
		BG1802	Bioengineering Lab 1b	1		
		BG2104	Electronics for Biomedical Engineering	3		
		BG2109	Biomechanics	3		
		BG2110	Bioelectricity	3		
		BG2211	Introduction to Computational Thinking	3	88 AU (PA)	
		BG2112	Cardiovascular Engineering	4	93 AU (PI)	
		BG2131	Biomaterials	3	33 AU (FI)	
		BG2141	Mechanics of Materials	3		
		BG2142	Biological Thermodynamics	3		
		BG2801	Lab 2a	1		
		BG2802	Lab 2b	1		
		BG3102	Control in Biosystems	3		
		BG3103	Signal Processing	3		
		BG3104	Biomedical Imaging	3		
		BG3105	Biomedical Instrumentation	3		
		BG3801	Lab 3	1		
		BG3880 /	Professional Attachment / Professional	5/		
		BG3885	Internship	10		
		BG4103	Biomedical Project Design & Management	4		
		BG4103 BG4102	Medical Device Design			
		BG4102 BG4801	G	4 8		
	UE	HE1001	Final Year Project Microscopomic Principles	3		
	UE	HE1001	Microeconomic Principles Macroeconomic Principles	3	24 AU	
		HE1002	Intro to Probability & Statistical Inference		12 AUs from	
			•	3	compulsory Year 1 and	
		HE2005	Principles of Econometrics	3	2 Economics courses.	
		HEXXXX	Economics Course 1	3	Remaining 12 AUs from 3 rd and 4 th year	
		HExxxx HExxxx	Economics Course 2 Economics Course 3	3	Economics courses that	
		HEXXXX	Economics Course 3 Economics Course 4	3 4	yield the highest CGPA	
		1		3	, - 5 2222	
		BGxxxx	BIE PE1			
	Maior DE	BGxxxx	BIE PE2	3	9 AU	
Concret	Major PE	BGxxxx	BIE PE3	3		
General	GER (Core)	EG0001	Engineers and Society	3		
Education		HW0188	Engineering Communication I	2		
Requirements		HW0288	Engineering Communication II	2		
(GER)		ML0003	Kickstart your Career Success	1	4.4.4.1	
		BG0494	Introduction to Data Science and Artificial	3	14 AU	
		660001	Intelligence	_		
		GC0001	Introduction to Sustainability	1		
		HY0001	Ethics and Moral Reasoning	1		
	055 ::=	ET0001	Entrepreneurship and Innovation	1	5 ALL (5. 6)	
	GER-UE		Elective	5	5 AUs (PA Option)	
			TOTAL		140/141 AU	

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

BEng (Chemical and Biomolecular Engineering) and BA (Economics) (wef AY2019/2020) - updated on19 May2020

List of courses th		AU Load			
	Core	MH1810	Mathematics 1	3	
		CH1104	Materials & energy balances	4	
		CH1117	Engineering Mathematics	4	
		CH1102	Introduction to Chemical Engineering in New Era	1	
		CH1108	Thermodynamics	4	
		CH1131	Biomolecular engineering	4	
		CH1801	Lab 1	1	
		CH1802	Lab 2	1	
		CH2010	Engineering Statistics	3	
		CH2102	Organic chemistry and Spectrophotometry	4	
		CH2103	Fluid systems	4	
		CH2104	Heat & mass transfer	4	
		CH2106	Introduction to Multidisciplinary Engineering	2	
		CH2107	Introduction to Computational Thinking	3	
		CH2109	Decision Tools for Business & Engineering	3	88 AU (PA)
		CH2140	Unit Operation	4	93 (PI)
		CH2801	Lab 2A	2	
		CH2802	Lab 2B	2	
		CH3101	Process Control and Dynamics	4	
Discipline		CH3102	Chemical Reaction engineering	4	
Requirement		CH3103	Chemical Thermodynamics	3	
-		CH3104	Biochemical Engineering	3	
		CH3141	Advanced Unit Operations	3	
		CH3802	Lab 3	3	
		CH3880 /		5/	
		CH3888	Professional Attachment / Professional Internship	10	
		CH4101	Chemical, Biology and Plant Safety	2	
		CH4801	Final Year Design Project	8	
	. I.E	1151001	Missassa and Principles	2	24 411
	UE	HE1001	Microeconomic Principles	3	24 AU 12 AUs from
		HE1002	Macroeconomic Principles	3	
		HE1005 HE2005	Intro to Probability & Statistical Inference	3	compulsory Year 1 and
		HEXXXX	Principles of Econometrics Economics Course 1	3	2 Economics courses. 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
		IILAAAA	Leonomics course 4	-	CGPA
	Major PE	CHxxxx	CBE PE 1	3	
		CHxxxx	CBE PE 2	3	9 AU
		CHxxxx	CBE PE 3	3	
		EG0001	Engineers and Society	3	
		HW0188	Engineering Communication I	2	
		HW0288	Engineering Communication II	2	
General	GER	ML0003	Kickstart your Career Success	1	
Education		EG0001	Introduction to Data Science and Artificial	3	14 AU
Requirements	(Core)		Intelligence		
(GER)		GC0001	Introduction to Sustainability	1	
		HY0001	Ethics and Moral Reasoning	1	
		ET0001	Entrepreneurship and Innovation	1	
	GER-UE		Elective	5	5 AUs (PA Option)
			TOTAL		140AU