B.ENG (ELECTRICAL & ELECTRONIC ENGINEERING) AND BA (ECONOMICS) (AY2019 Cohort)

ST OF COURSES THAT CONT		RIBUTE TOW	IBUTE TOWARDS B.ENG (ELECTRICAL & ELECTRONIC ENGINEERING)		AU LOAD	
	CORE	MH1810	MATHEMATICS 1	3		
		MH1811	MATHEMATICS 2	3		
		PH1011	PHYSICS **	3		
		FE1073	AN INTRODUCTION TO ENGINEERING & PRACTICES	1		
		EE1002	PHYSICS FOUNDATION FOR ELECTRICAL & ELECTRONIC ENGRG	4		
		EE1003	INTRODUCTION TO MATERIALS FOR ELECTRONICS	3		
		EE1005	FROM COMPUTATIONAL THINKING TO PROGRAMMING	3		
		EE1071	EEE LABORATORY 1	1		
		EE2001	CIRCUIT ANALYSIS	4		
		EE2002	ANALOG ELECTRONICS	4	78 AUs	
		EE2003	SEMICONDUCTOR FUNDAMENTALS	4	(PA OPTION)	
		EE2004	DIGITAL ELECTRONICS	4		
		EE2006	ENGINEERING MATHEMATICS I	4	83 AUs (PI OPTION)	
		EE2007	ENGINEERING MATHEMATICS II	4	(,	
		EE2008	DATA STRUCTURES AND ALGORITHMS	4		
		EE2010	SIGNALS AND SYSTEMS	4		
		EE2073	INTRODUCTION TO EEE DESIGN AND PROJECT	2		
		EE3001	ENGINEERING ELECTROMAGNETICS	4		
		EE3002	MICROPROCESSORS	4		
		EE3276/	PROFESSIONAL ATTACHMENT /	5/10		
		EE3279	PROFESSIONAL INTERNSHIP	3/10		
		EE3080	DESIGN AND INNOVATION PROJECT	2		
		EE4080	FINAL YEAR PROJECT	8		
DISCIPLINE REQUIREMENT	UE	HE1001	MICROECONOMIC PRINCIPLES	3	24 AUs	
		HE1002	MACROECONOMIC PRINCIPLES	3	12 AUS from	
		HE1005	INTRO TO PROBABILITY & STATISTICAL INFERENCE	3	compulsory Year & 2 Economics	
		HE2005	PRINCIPLES OF ECONOMETRICS	3	courses.	
		HEXXXX	ECONOMICS COURSE 1	3	Remaining 12 AU from Year 3 & 4	
		HEXXXX	ECONOMICS COURSE 2	3	Economics	
		HEXXXX	ECONOMICS COURSE 3	3	courses that yie	
		HEXXXX	ECONOMICS COURSE 4	3 the highest CGPA		
	MAJOR PE	EE3XXX	ELECTIVE 1	3		
		EE3XXX	ELECTIVE 2	3		
		EE4XXX	DESIGN ELECTIVE 1	2		
		EE4XXX	DESIGN ELECTIVE 2	2	19 AUs	
		EE4XXX	TECHNICAL ELECTIVE 1	3		
		EE4XXX	TECHNICAL ELECTIVE 2	3		
		EE4XXX	TECHNICAL ELECTIVE 3	3		
	GER-CORE	EG0001	ENGINEERS AND SOCIETY	3		
		EE0005	INTRO TO DATA SCIENCE AND ARTIFICIAL INTELLIGENCE	3		
		GC0001	SUSTAINABILITY: SEEING THROUGH THE HAZE	1		
		HY0001	ETHICS AND MORAL REASONING	1		
		ET0001	ENTERPRISE AND INNOVATION	1	14 AUs	
		HW0188	ENGINEERING COMMUNICATION I	2		
		HW0288	ENGINEERING COMMUNICATION II	2		
		ML0003	KICKSTART YOUR CAREER SUCCESS	1		
	GER-UE		ELECTIVES	5	5 AUs (PA OPTIO	
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^{**} Students without 'A' level Physics will take PH1012 (FE1012) Physics A (4AU)

BEng (INFORMATION ENGINEERING & MEDIA) AND BA (ECONOMICS) (AY2019 Cohort)

	at contribute to	wards BEng	(Information Engineering & Media)		AU Load	
	Core	MH1810	Mathematics 1	3		
		MH1811	Mathematics 2	3		
		EE1005	From Computational Thinking To Programming	3		
		PH1011	Physics **	3		
		DA1000	Thinking and Communicating Visually I	3		
		DA2002	Thinking and Communicating Visually II	3		
		DA3000	Thinking and Communicating Visually III	3		
		IM1001	Data Structures and Algorithms	4		
		IM1002	Analog Electronics	3		
		IM1003	Object-Oriented Programming	3		
		IM1004	Digital Electronics	4		
		IM2001	Software Engineering	3	92 All /DA Ontion)	
		IM2002	Microprocessors	4	83 AU (PA Option) 88 AU (PI Option)	
		IM2003	Computer Communications	3	OU AU (11 Option)	
		IM2004	Signals and Systems	4		
		IM2006	Engineering Mathematics I	4		
		IM2007	Engineering Mathematics II	4		
		IM2073	Introduction to Design and Project	2		
Discipline		IM3001	Digital Signal Processing	3		
Requirement		IM3002	Communication Principles	3		
		IM3003	Information Security	3		
		IM3276/	Professional Attachment / Professional	F /4.0		
		IM3279	Internship	5/10		
		IM3080	Design and Innovation Project	2		
		IM4080	Final Year Project	8		
	UE	HE1001	Microeconomic Principles	3	21 AUs	
		HE1002	Macroeconomic Principles	3	12 AUs from	
		HE1005	Intro to Probability & Statistical Inference	3	compulsory Year 1 and 2 Economics	
		HE2005	Principles of Econometrics	3	courses.	
		HExxxx	Economics Course 1	3	Remaining 9 AUs	
		HExxxx	Economics Course 2	3	from 3 rd and 4 th yea	
		HExxxx	Economics Course 3	3	Economics courses	
					that yield the highes CGPA.	
	Major PE	EE4xxx	Design Elective 1	2		
		EE4xxx	Design Elective 2/Technical Elective 4	2		
		EE4xxx	Technical Elective 1	3	13 AU	
		EE4xxx	Technical Elective 2	3		
		EE4xxx	Technical Elective 3	3		
	GER (Core)	ML0003	Kickstart Your Career Success	1		
		EE0005	Intro To Data Science & Al	3		
		GC0001	Introduction to Sustainability	1		
General		HY0001	Ethics and Moral Reasoning	1		
Education		ET0001	Entrepreneurship and Innovation	1	18 AU	
Requirements		CS0205	Basic Media Writing (SCI)	3		
(GER)		DV2008	Interface Design (ADM) [△]	<mark>3</mark>		
		EG0001	Engineers and Society	<mark>3</mark>		
	1	HW0288	Engineering Communication II	2		
	GER-UE	11000200	0 0		5 AUs (PA Option)	

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^ Students can either read CS2006 or DV2008 as GER-core