

**EEEC CGPA Computation**
**BEng (Electrical and Electronic Engineering) and BSocSci (Economics)**
*(wef AY2021/2022 Intake onwards)*

LIST OF COURSES THAT CONTRIBUTE TOWARDS B.ENG (ELECTRICAL & ELECTRONIC ENGINEERING)				AU LOAD	
DISCIPLINE REQUIREMENT	CORE	MH1810	MATHEMATICS 1	3	83 AUs
		MH1811	MATHEMATICS 2	3	
		PH1011	PHYSICS **	3	
		FE1073	AN INTRODUCTION TO ENGINEERING & PRACTICES	1	
		EG1001	ENGINEERS IN SOCIETY	2	
		EE1 102	PHYSICS FOUNDATION FOR ELECTRICAL & ELECTRONIC ENGRG	3	
		IE1005	FROM COMPUTATIONAL THINKING TO PROGRAMMING	3	
		EE1071	EEE LABORATORY 1	1	
		EE2101	CIRCUIT ANALYSIS	3	
		EE2102	ANALOG ELECTRONICS	3	
		EE2103	SEMICONDUCTOR FUNDAMENTALS	3	
		IE2104	DIGITAL ELECTRONICS	3	
		EE2005	ELECTRICAL DEVICES & MACHINES	3	
		IE2106	ENGINEERING MATHEMATICS I	3	
		IE2107	ENGINEERING MATHEMATICS II	3	
		IE2108	DATA STRUCTURES AND ALGORITHMS	3	
		IE2110	SIGNALS AND SYSTEMS	3	
		EE2073	INTRODUCTION TO EEE DESIGN AND PROJECT	2	
		EE3101	ENGINEERING ELECTROMAGNETICS	3	
		EE3180	DESIGN AND INNOVATION PROJECT	3	
		EE4080	FINAL YEAR PROJECT	8	
	MAJOR PE	EE3XXX	ELECTIVE 1	3	
		EE3XXX	ELECTIVE 2	3	
		EE4XXX	DESIGN ELECTIVE 1	3	
		EE4XXX	DESIGN ELECTIVE 2	3	
		EE4XXX	TECHNICAL ELECTIVE 1	3	
		EE4XXX	TECHNICAL ELECTIVE 2	3	
	COMMON CORE	CC0001	INQUIRY & COMMUNICATION IN THE INTER-DISCIPLINARY WORLD	2	17 AUs
		CC0002	NAVIGATING THE DIGITAL WORLD	2	
		CC0003	ETHICS & CIVICS IN A MULTI-CULTURAL WORLD	2	
		CC0007	HEALTHY LIVING & MENTAL WELLBEING	3	
		CC0001	SUSTAINABILITY: SOCIETY, ECONOMY & ENVIRONMENT	3	
		ML0004	CAREER AND ENTREPRENEURIAL DVPT. FOR THE FUTURE WORLD	2	
		CC0005	SCIENCE & TECHNOLOGY FOR HUMANITY	3	
	FOUNDATION CORE	IE0005	INTRO TO DATA SCIENCE AND ARTIFICIAL INTELLIGENCE	3	10 AUs (PA) 15 AUs (PI)
		EE3276/ EE3279 ^	PROFESSIONAL ATTACHMENT / PROFESSIONAL INTERNSHIP	5/ 10	
		HW0288	ENGINEERING COMMUNICATION II	2	
	BROADENING & DEEPENING ELECTIVES	HE1001	MICROECONOMIC PRINCIPLES I	3	18 AUs (PI) + 5 AUs (PA) 15 AUs from compulsory Year 1 & 2 ECON courses. Remaining 3 AUs from Year 3 & 4 ECON courses that yield the highest CGPA.
		HE1002	MACROECONOMIC PRINCIPLES I	3	
		HE2001	MICROECONOMIC PRINCIPLES II	3	
		HE2002	MACROECONOMIC PRINCIPLES II	3	
		HE2003	ECONOMETRICS I	3	
		HEXXXX	ECONOMICS COURSE	3	

			BROADENING & DEEPENING ELECTIVE	3	
TOTAL					136 AUs

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

^ Students from U23 intake onwards will do EE3920 Professional Internship or EE3910 Professional Attachment instead

**IEEC CGPA Computation**  
**BEng (Information Engineering and Media) and BSocSci (Economics)**  
*(wef AY2021/2022 Intake onwards)*

List of courses that contribute towards BEng (Information Engineering & Media)				AU Load	
	CORE	MH1810	MATHEMATICS 1	3	87 AU
		MH1811	MATHEMATICS 2	3	
		PH1011	PHYSICS **	3	
		IE1005	FROM COMPUTATIONAL THINKING TO PROGRAM	3	
		EG1001	ENGINEERS IN SOCIETY	2	
		IE2108	DATA STRUCTURE AND ALGORITHM	3	
		IM1002	ANALOG ELECTRONICS	3	
		IM1003	OBJECT-ORIENTED PROGRAMMING	3	
		IE2104	IM1004 DIGITAL ELECTRONICS	3	
		IE4001	SOFTWARE ENGINEERING	3	
		IE3017	COMPUTER COMMUNICATIONS	3	
		IE2110	SIGNALS AND SYSTEMS	3	
		IE2106	ENGINEERING MATHEMATICS I	3	
		IE2107	ENGINEERING MATHEMATICS II	3	
		IM2073	INTRODUCTION TO DESIGN & PROJECT	2	
		IM3180	DESIGN & INNOVATION PROJECT	3	
		DA1000	THINKING AND COMMUNICATING VISUALLY I	3	
		DA2002	THINKING AND COMMUNICATING VISUALLY II	3	
		DA3000	THINKING AND COMMUNICATING VISUALLY III	3	
		IM4080	FINAL YEAR PROJECT	8	
	MAJOR PE	IM3XXX	PRESCRIBED ELECTIVE 1	3	17 AU
		IM3XXX	PRESCRIBED ELECTIVE 2	3	
		IM3XXX	PRESCRIBED ELECTIVE 3	3	
		IM4XXX	DESIGN ELECTIVE 1	3	
		IM4XXX	DESIGN ELECTIVE 2/TECHNICAL ELECTIVE 4	3	
		IM4XXX	TECHNICAL ELECTIVE 1	3	
		IM4XXX	TECHNICAL ELECTIVE 2	3	
		IM4XXX	TECHNICAL ELECTIVE 3	3	
	COMMON CORE	CC0001	INQUIRY AND COMMUNICATION IN THE INTER-DISCIPLINARY WORLD	2	
		CC0002	NAVIGATING THE DIGITAL WORLD	2	
		CC0003	ETHICS & CIVICS IN A MULTICULTURAL WORLD	2	
		CC0007	HEALTHY LIVING & MENTAL WELLBEING	3	
		CC0006	SUSTAINABILITY: SOCIETY, ECONOMY & ENVIRONMENT	3	
		ML0004	CAREER & ENTREPRENEURIAL DEVELOPMENT FOR THE FUTURE WORLD	2	
		CC0005	SCIENCE & TECHNOLOGY FOR HUMANITY	3	
	FOUNDATION CORE	IE0005	INT. TO DATA SCIENCE & ARTIFICIAL INTELLIGENCE	3	10 AU (PA) 15 AU (PI)
		IM3276/	PROFESSIONAL ATTACHMENT /	5/	
		IM3279^	PROFESSIONAL INTERNSHIP	10	
		HW0288	ENGINEERING COMMUNICATION	2	
	BROADENING & DEEPENING ELECTIVES	HE1001	MICROECONOMICS I	3	18AU 15AU from compulsory Year 1 and 2 Economics Core courses1. Remaining 3AU
		HE1002	MACROECONOMICS I	3	
		HE2001	MICROECONOMICS II	3	
		HE2002	MACROECONOMICS II	3	
		HE2003	ECONOMETRICS I	3	

List of courses that contribute towards BEng (Information Engineering & Media)				AU Load	
		HEXXXX	ECONOMICS PE	30	from Year 3 and 4 Economics PE that yield the highest CGPA. + 5AU (PA only)
				<b>TOTAL</b>	<b>137 AU</b>

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

^ Students from U23 intake onwards will do EE3920 Professional Internship or EE3910 Professional Attachment instead