

EEEC CGPA Computation
BEng (Electrical and Electronic Engineering) and BSocSci (Economics)
(wef AY2025/2026 Intake onwards)

DISCIPLINE REQUIREMENT	LIST OF COURSES THAT CONTRIBUTE TOWARDS N.ENG		AU LOAD	
CORE	MH1810	MATHEMATICS 1	3	83/84** AUs
	MH1811	MATHEMATICS 2	3	
	PH1011	PHYSICS **	3	
	FE1073	AN INTRODUCTION TO ENGINEERING & PRACTICES	1	
	EG1001	ENGINEERS IN SOCIETY	2	
	EE1102	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	
	EE4XXX	TECHNICAL ELECTIVE 3	3	
ICC - COMMON CORE	CC0001	INQUIRY & COMMUNICATION IN AN INTER-DISCIPLINARY	2	14 AUs
	CC0003	ETHICS & CIVICS IN A MULTI-CULTURAL WORLD	2	
	CC0015	HEALTH & WELLBEING	2	
	CC0006	SUSTAINABILITY: SOCIETY, ECONOMY & ENVIRONMENT	3	
	ML0004	CAREER DESIGN & WORKPLACE READINESS IN THE V.U.C.A WORLD	2	
	CC0007	SCIENCE & TECHNOLOGY FOR HUMANITY	3	
ICC-PROFESSIONAL SERIES	IE0005	INTRO TO DATA SCIENCE AND ARTIFICIAL INTELLIGENCE	3	11 AUs (PA) 16 AUs (PI)
	EE3910/ EE3920	PROFESSIONAL ATTACHMENT / PROFESSIONAL INTERNSHIP	5/ 10	
	HW0288	ENGINEERING COMMUNICATION II	2	
	MLXXXX	PROFESSION PREPARATION	1	
ICC - CARE, SERVE, LEARN (CSL)		SERVICE LEARNING	3	3
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	2	2
TOTAL			136/137** AUs	

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