

**DEGREE IN BACHELOR OF ENGINEERING (ELECTRICAL & ELECTRONIC ENGINEERING) PROGRAMME
ADMISSION TO YEAR 1 (AY2021 Cohort)**

AU Requirement Table

STUDY YEAR	MAJOR REQUIREMENTS		INTERDISCIPLINARY COLLABORATIVE CORE REQUIREMENTS			TOTAL
	CORE (C)	CORE ELECTIVE (P)	COMMON CORE (CC)	FOUNDATION CORE (FC)	BROADENING & DEEPENING ELECTIVE (BDE)	
1	22/23 [#]		9		3	34/35 [#]
2	26		8	3	3	40
3	6	6		12	6	30
4	8	15			9	32
TOTAL	83/84[#]		17	15	21	136/137[#]

Curriculum Structure

COURSES	TYPE	AU	COURSES	TYPE	AU
YEAR 1 SEMESTER 1			YEAR 3 SEMESTER 1		
EE1005 FROM COMPUTATIONAL THINKING TO PROGRAM.	C	3	EE3001 ENGINEERING ELECTROMAGNETICS *	C	3
FE1073 AN INTRO TO ENGINEERING & PRACTICES	C	1	EE3080 DESIGN & INNOVATION PROJECT	C	3
MH1810 MATHEMATICS I	C	3	EE3xxx PRESCRIBED ELECTIVE 1 *	P	3
PH1011 PHYSICS #	C	3	EE3xxx PRESCRIBED ELECTIVE 2 *	P	3
EG1001 ENGINEERS IN SOCIETY	C	2	HW0288 ENGINEERING COMMUNICATION	FC	2
CC0001 INQUIRY AND COMMUNICATION IN THE INTER-DISCIPLINARY WORLD	CC	2	BROADENING ELECTIVE	BDE	3
CC0002 NAVIGATING THE DIGITAL WORLD	CC	2	BROADENING ELECTIVE	BDE	3
TOTAL		16	TOTAL		20
YEAR 1 SEMESTER 2			YEAR 3 SEMESTER 2		
EE1002 PHYSICS FOUNDATION FOR EEE *	C	3	EE3279 PROFESSIONAL INTERNSHIP +	FC	10
EE1071 EEE LABORATORY 1	C	1			
EE2004 DIGITAL ELECTRONICS *	C	3	YEAR 4 SEMESTER 1		
MH1811 MATHEMATICS II	C	3	EE4080 FINAL YEAR PROJECT	C	4
CC0003 ETHICS & CIVICS IN A MULTICULTURAL WORLD	CC	2	EE4xxx DESIGN ELECTIVE 1	P	3
CC0007 HEALTHY LIVING & MENTAL WELLBEING	CC	3	EE4xxx TECHNICAL ELECTIVE 1	P	3
BROADENING ELECTIVE	BDE	3	EE4xxx TECHNICAL ELECTIVE 2	P	3
TOTAL		18	BROADENING ELECTIVE	BDE	3
YEAR 2 SEMESTER 1			TOTAL		16
EE2001 CIRCUIT ANALYSIS *	C	3	YEAR 4 SEMESTER 2		
EE2003 SEMICONDUCTOR FUNDAMENTALS *	C	3	EE4080 FINAL YEAR PROJECT	C	4
EE2006 ENGINEERING MATHEMATICS I	C	3	EE4xxx DESIGN ELECTIVE 2	P	3
EE0005 INT. TO DATA SCIENCE & ARTIFICIAL INTELLIGENCE	FC	3	EE4xxx TECHNICAL ELECTIVE 3	P	3
CC0006 SUSTAINABILITY: SOCIETY, ECONOMY & ENVIRONMENT	CC	3	BROADENING ELECTIVE	BDE	3
ML0004 CAREER & ENTREPRENEURIAL DEVELOPMENT FOR THE FUTURE WORLD	CC	2	BROADENING ELECTIVE	BDE	3
BROADENING ELECTIVE	BDE	3	TOTAL		16
TOTAL		20			
YEAR 2 SEMESTER 2					
EE2002 ANALOG ELECTRONICS *	C	3			
EE2005 ELECTRICAL DEVICES & MACHINES *	C	3			
EE2007 ENGINEERING MATHEMATICS II	C	3			
EE2008 DATA STRUCTURES & ALGORITHMS *	C	3			
EE2010 SIGNALS AND SYSTEMS *	C	3			
EE2073 INTRO. TO EEE DESIGN & PROJECT	C	2			
CC0005 SCIENCE & TECHNOLOGY FOR HUMANITY	CC	3			
TOTAL		20			

NOTES:
 # Students, without A-level Physics, will read PH1012 Physic A (4 AUs).
 * These courses have laboratory codes, ExxxxL. Students must register for the mandatory codes during the registration period.
 Prerequisite to the courses is posted in the Course Catalogue via <https://qrgo.page.link/bVHDn>.

Updated: 10-Feb-21