

**DEGREE OF BACHELOR OF SCIENCE IN ENGINEERING
(ELECTRICAL & ELECTRONIC) (07H10816)**

Students must also comply with the University General Regulations and the Supplementary Regulations for the Degree of Bachelor of Science in Engineering

All the courses listed below are prescribed for this degree

PROGRAMME YEAR 1 – 120 Credit Points					
First Half Session			Second Half Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
PD 1001	Professional Skills Part 1	0	EE 1501	Electronics Design	15
EG 1008	Principles of Electronics	15			
EG 1010	CAD and Communications in Engineering Practice	15	EG 1504	Engineering Mathematics 1	15
EG 1012	Fundamentals of Engineering Materials	15	EG 1510	Fundamental Engineering Mechanics	15
Plus 30 credit points from courses of choice.					

PROGRAMME YEAR 2 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
EG 2004	Fluid Mechanics and Thermodynamics	15	EE 2504	Electronic Systems	15
EG 2011	Process Engineering	15	EG 2501	Design and Computing in Engineering Practice	15
EG 2012	Engineering Mathematics 2	15	EG 2503	Electrical and Mechanical Systems	15
Plus 30 credit points from courses of choice.					

PROGRAMME YEAR 3 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
EE 3043	Control Systems	15	EE 3557	Electrical Power Engineering	15
EE 3053	Signals, Systems and Signal Processing	15	EE 3580	Digital Systems	15
			EE 3576	Communications Engineering 1	10
EE 3093	C/C++ Programming	15	EE 3579	Electrical & Electronics Engineering Design	10
EG 3007	Engineering Analysis and Methods 1	15	EG 3599	Project & Safety Management	10

Notes	
1.	This degree is an Ordinary Degree programme and is not professionally accredited.
2.	To graduate, candidates must obtain at least 360 credit points from the courses specified above, to include all compulsory courses at Levels 1 and 2, plus at least 90 credit points from Level 3 courses (i.e., those courses coded EA/EE/EG/EM/EP/EX 3XXX).
3.	All course choices at Level 2 and above are subject to students holding the appropriate pre-requisites.
4.	Please consult the BScEng Supplementary Regulations for further details.