

DEGREE OF BACHELOR OF SCIENCE IN ENGINEERING (GENERAL) (07H10616)

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	EG 1504	Engineering Mathematics 1	15
EG 1008	Principles of Electronics	15			
EG 1010	CAD and Communications in Engineering Practice	15			
EG 1012	Fundamentals of Engineering Materials	15	EG 1510	Fundamental Engineering Mechanics	15
Plus 45 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	EA 2502	Solids and Structures	15
EG 2011	Process Engineering	15	EG 2501	Design and Computing	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
EG 3007	Engineering Analysis and Methods 1A	15	EG 3599	Project & Safety Management	10
			Plus 50 credit points from the below:		
Plus 45 credit points from the below:			EA 3518	Mechanics of Structures	15
EA 3027	Geotechnics 1	15	EA 3519	Design of Structural Elements	15
EE 3043	Control Systems	15	EA 3538	Structural Dynamics	15
EE 3053	Signals, Systems and Signal Processing	15	EA 3720	Civil Engineering Design & Surveying & Hydrology Fieldtrip	10
			EE 3557	Electrical Power Engineering	15
			EE 3576	Communications Engineering 1	10
EE 3093	C/C+ Programming	15	EE 3579	Electrical & Electronics Engineering Design	10
EM 3015	Stress Analysis A	15	EE 3580	Digital Systems	15
			EM 3511	Dynamics 1	15
			EM 3521	Engineering Thermodynamics	10
			EM 3522	Design of Mechanical Elements	10
			EP 3595	Drilling and Well Engineering	15
			EP 3596	Reservoir Engineering I: Fundamentals	15
EM 3019	Fluid Mechanics	15	EP 3597	Petroleum Engineering Design	10
EM 3028	Engineering Materials	15	EP 3598	Well Testing	10
EX 3029	Chemical Thermodynamics	15	EX 3501	Chemical Reaction Engineering	15
EX 3030	Heat, Mass & Momentum	15	EX 3502	Separation Processes 1	15
			EX 3503	Chemical Engineering Design	10
			EX 3504	Process Modelling	10

PLEASE SEE OVER →

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 (ie, those courses coded EA/EE/EG/EM/E{/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.