DEGREE OF MASTER OF ENGINEERING IN ELECTRICAL AND ELECTRONIC ENGINEERING (07H50554)

Students must also comply with the University General Regulations and the Supplementary Regulations for the Degree of Master of 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 1008	Principles of Electronics	15	EE 1501	Electronics Design	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 3093	C/C++ Programming	15	EE 3576	Communications Engineering 1	10
EG 3007	Engineering Analysis and Methods 1A	15	EE 3579	Electrical & Electronics Engineering Design	10
			EG 3599	Project & Safety Management	10

PROGRAMME YEAR 4 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit points	Course Code	Course Title	Credit points
EG 4013	MEng Individual Project				45
EE 4017	Sensing and Instrumentation	10	EE 4546	Communications Engineering 2	15
EE 40FE	Electrical Machines and Drives	10			
EE 40GA	Computer and Software Engineering	10			
Plus 30 credit points from courses of choice.					

PROGRAMME YEAR 5 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	**Course Title**	**Credit Points**	**Course Code**	**Course Title**	**Credit Points**
CS 5059	Robotics	15	EG 551K	Renewable Energy Integration to Grid	15
EE 501T	Advanced Control Engineering	15			
EE 5046	Optical Systems and Sensing	15	EG 551T	Mathematical Optimisation	15
EG 501W	The Engineer in Society	15	EG 5565	MEng Group Design	30

Notes	
1.	This programme is accredited by the IET as fully satisfying the educational base for a chartered Engineer (CEng)
2.	All course choices at Level 2 and above are subject to students holding the appropriate pre-requisites.
3.	Candidates seeking entry to the Junior Honours programme must have accumulated, by award or recognition, or been exempted from, at least 240 credit points at levels 1 and 2, including those compulsory courses required to enter programme year 3. Students will also be expected to meet the standards required for MEng as publicised in the Student Handbook.