DEGREE OF MASTER OF ENGINEERING IN MECHANICAL AND ELECTRICAL ENGINEERING (07HH3M54)

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

	Second Half Session		
edit ints	Course Code	Course Title	Credit Points
0			
5	EE 1501	Electronics Design	15
5	EG 1504	Engineering Mathematics 1	15
5	EG 1510	Fundamental Engineering Mechanics	15
ir O	nts	dit Course Code 5 EE 1501 6 EG 1504 6 EG 1510	dit Course Code Code Course Title Electronics Design EG 1504 Engineering Mathematics 1 Fundamental Engineering

	PROGRAMME YEAR 2 – 120 Credit Points				
First Half-Session Second Half-Session				-Session	
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
EG 2004	Fluid Mechanics and	15	EA 2502	Solids and Structures	15
EG 2004	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 15 o	credit points fro	om courses of	choice.	

	PROGRAMME YEAR 3 – 120 Credit Points				
First Half-Session Second Ha				Session	
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
EE 3043	Control Systems	15	EE 3557	Electrical Power Engineering	15
EG 3007	Engineering Analysis and Methods	15	EG 3599	Project & Safety Management	10
	1A		EM 3511	Dynamics 1	15
EM 3019	Fluid Mechanics	15	EM 3521	Engineering Thermodynamics	10
EM 3028	Engineering Materials	15	EM 3522	Design of Mechanical Elements	10

PLEASE SEE OVER \rightarrow

	PROGRA	MME YEAR	4 – 120 Credit	Points		
First Half-Ses	sion		Second Half-	Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points	
EG 4013		MEng Indi	vidual Project 45			
EE 4017	Sensing and Instrumentation	10	EM 4529	Nonlinear Mechanics	15	
EE 40FE	Electrical Machines and Drives (see Note 2)	10				
EM 40JJ	Fluid Dynamics	10				
	Plus 30 c	redit points fro	om courses of o	choice.		
		Ol	₹			
First Half-Ses	sion		Second Half-	Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points	
EE 4017	Sensing and Instrumentation	10				
EE 40FE	Electrical Machines and Drives (see Note 2)	10	EG 4513	Individual Project Abroad	60	
EM 40JJ	Fluid Dynamics	10				
	Plus 30 credit point	s from course	es of choice in f	irst half session.		

	PROGRA	MME YEAR 5	5 – 120 Credit	Points	
First Half-Session		Second Half-Session			
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
EE 501T	Advanced Control Engineering (See Note 2)	15	EG 5565	MEng Group Design	30
EG 501W	The Engineer in Society	15	EG 55P6	Engineering Risk and Reliability Analysis	15
FF 5046	EE 5046 Optical Systems and Sensing	4.5	Plus one course from the below		
EE 5046		15	EG 551T	Mathematical Optimisation	15
EG 501V	Computational Fluid Dynamics	15	EG 55F2	Pipelines and Soil Mechanics	15
		15	EG 55F6	Risers Systems and Hydrodynamics	15

	Notes
1.	This programme is accredited by the IMechE and IET as fully satisfying the educational base for a chartered Engineer (CEng)
2.	EE40FE Electrical Machines and Drives and EE501T Advanced Control Engineering are compulsory courses for this programme of study and must be passed in order to be eligible to graduate from this accredited degree programme. Regulation 13 of the Supplementary Regulations for the Degree of Master of Engineering applies to this course.
3.	All course choices at Level 2 and above are subject to students holding the appropriate pre- requisites.
4.	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.