DEGREE OF MASTER OF ENGINEERING IN
ELECTRONIC AND SOFTWARE ENGINEERING (07H6H354)

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	CS 1520	Computer Architecture	15
CS 1022	Computer and Programming Principles	15			
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

PROGRAMME YEAR 2 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
CS 1024	Grand Challenges of Computing and Artificial Intelligence	15	CS 2510	Modern Programming Languages	15
CS 2013	Mathematics for Computing Science	15	CS 2521	Algorithmic Problem Solving	15
CS 2015	Data Management	15	EE 2504	Electronic Systems	15
EG 2012	Engineering Mathematics 2	15	EG 2501	Design and Computing in Engineering Practice	15

PROGRAMME YEAR 3 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
CS 3028	Principles of Software Engineering	15	CS 3528	Software Engineering and Professional Practice	15
EE 3043	Control Systems	15	EE 3580	Digital Systems	15
			EE 3576	Communications Engineering 1	10
EE 3053	Signals, Systems and Signal Processing	15	EE 3579	Electrical & Electronics Engineering Design	10
EG 3007	Engineering Analysis and Methods 1	15	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
CS 4095	Computational Intelligence	10	CS 4595	Distributed Systems and Security	15
CS 4096	Operating Systems	15			
CS 4097	Security	10	EE 4546	Communications Engineering 2	15
EE 4017	Sensing and Instrumentation	10			

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	CS 551A	Fundamentals of Software Project Management	15
EE 501T	Advanced Control Engineering	15	CS 551E	Innovation in Electronic and Software Engineering	15
EG 501W	The Engineer in Society	15			
EE 5046	Optical Systems and Sensing	15	EG 5565	MEng Group Design	30

Notes	
1.	This programme will seek accreditation from IET and BCS at the first available opportunity.
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 225 credit points at levels 1 and 2, including those compulsory courses required to enter programme year 3.
	If missing one compulsory course which is a pre requisite course for level 3, Head of School approval will be required to progress into Junior Honours, if approval is not granted students would progress onto programme year 3 on the BScEng degree programme.
	Students will also be expected to meet the standards required for MEng as publicised in the Student Handbook.