DEGREE OF MASTER OF ENGINEERING IN CHEMICAL ENGINEERING (07H81054)

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	CM 1513	Chemistry for the Physical Sciences 2	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**
CM 2010	Energetics of Change in Chemical and Biological Processes	15	CM 2514	Organic and Biological Chemistry	15
EG 2004	Fluid Mechanics and Thermodynamics	15	EG 2501	Design and Computing in Engineering Practice	15
EG 2011	Process Engineering	15	EG 2503	Electrical and Mechanical Systems	15
EG 2012	Engineering Mathematics 2	15			
Plus 15 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 1	15	EG 3599	Project & Safety Management	10
EM 3019	Fluid Mechanics	15	EX 3501	Chemical Reaction Engineering	15
EX 3029	Chemical Thermodynamics	15	EX 3502	Separation Processes 1	15
EX 3030	Heat, Mass & Momentum Transfer	15	EX 3503	Chemical Engineering Design	10
			EX 3504	Process Modelling	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
EX 4016	Biochemical Engineering	10	EX 4530	Separation Processes 2	15
EX 402A	Process Safety	10			
EX 40HC	Process Control	10			
Plus 30 credit points from courses of choice.					

PLEASE SEE OVER →

PROGRAMME YEAR 5 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	**Course Title**	**Credit points**	**Course Code**	**Course Title**	**Credit points**
EX 501U	Air & Water Pollution Control	15	EG 551T	Mathematical Optimisation	15
EG 501V	Computational Fluid Dynamics	15	EG 5565	MEng Group Design	30
EG 501W	The Engineer in Society	15	EG 55P7	Process Plant, Equipment & Operations	15
EG 5099	Upstream Oil and Gas Processing	15			

Notes	
1.	This programme is accredited by the IChemE 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.