

## 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 1002	Getting Started at the University of Aberdeen	0	CM 1513	Chemistry for the Physical Sciences 2	15
EG 1008	Principles of Electronics	15			
EG 1010	CAD and Communication in Engineering Practice	15	EG 1504	Engineering Mathematics 1	15
EG 1012	Fundamentals of Engineering Materials	15	EG 1510	Fundamental Engineering Mechanics	15
Plus 15 credit points from courses of choice at Levels 1 or 2.			Plus 15 credit points from courses of choice at Levels 1 or 2.		

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 2015	Chemical Kinetics and Thermodynamics	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 at Levels 1 or 2					

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 and 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 (See Note 4)				45
EX 4016	Biochemical Engineering	10	Plus 30 credit points from courses of choice at Levels 3 and 4.		
EX 402A	Process Safety	10			
EX 40HC	Process Control	10			
Ex 4030	Separation Processes 2	15			
<b>OR</b>					
EX 4016	Biochemical Engineering	10	EG 4513	Individual Project Abroad (MEng)	60
EX 402A	Process Safety	10			
EX 40HC	Process Control	10			
Ex 4030	Separation Processes 2	15			

**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.	<p>Candidates seeking entry to the Junior Honours programme (Programme Year 3) must have accumulated, by award or recognition, or been exempted from, at least 240 credit points at levels 1 and 2, including 240 credit points from courses prescribed for this degree programme. Candidates who do not meet this progression requirement but who do meet the requirements for progression to Programme Year 3 of the DEGREE OF BACHELOR OF SCIENCE IN ENGINEERING (CHEMICAL) may transfer to this programme with a view to transferring back to an honours programme for the commencement of Programme Year 4.</p> <p>Candidates seeking to progress on, or transfer to, the MEng programme will, in addition to meeting the credit requirements set out in the General and Supplementary Regulations, be expected to meet the MEng GPA requirements as publicised in the School of Engineering Undergraduate Student Handbook.</p>
4.	EG4013 will commence in 1st Half-Session and credits will be awarded at the 2nd Half-Session examination diet. It is an expectation that candidates allocate the equivalent of 15 credit points of effort to EG4013 during the 1st Half-Session and 30 credit points of effort during the 2nd Half-Session.