DEGREE OF BACHELOR OF ENGINEERING IN PETROLEUM ENGINEERING (07H85152)

Students must also comply with the University General Regulations and the Supplementary Regulations for the Degree of Bachelor 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	CM 1513	Chemistry for the Physical Sciences 2	15
EG 1008	Principles of Electronics	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	EA 2502	Solids and Structures	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 credit points from level 1 or 2 first-half session courses of choice			GL 2512	Introduction to Geology for Petroleum Engineers	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**
EG 3007	Engineering Analysis and Methods 1A	15	EG 3599	Project & Safety Management	10
EM 3019	Fluid Mechanics	15	EP 3595	Drilling and Well Engineering	15
EX 3030	Heat, Mass and Momentum Transfer	15	EP 3596	Reservoir Engineering I: Fundamentals	15
GL 3029	Petroleum Geology and Reservoir Characterisation	15	EP 3597	Petroleum Engineering Design	10
			EP 3598	Well Testing	10

PLEASE SEE OVER →

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 4014	BEng Individual Project				30
EP 4015	Geomechanics	10	EG 4578	Group Design Project (BEng)	15
EP 4018	Petroleum Production Engineering and Technology	10			
EP 4019	Reservoir Engineering II: Performance	10	EP 4531	Field Development and Petroleum Economics	15
Plus 30 credit points from level 3 or 4 courses of choice.					
OR					
First Half-Session			Second Half-Session		
Course Code	**Course Title**	**Credit Points**	**Course Code**	**Course Title**	**Credit Points**
EG 4011	Engineering Project Abroad (BEng)				60
EP 4015	Geomechanics	10			
EP 4018	Petroleum Production Engineering and Technology	10			
EP 4019	Reservoir Engineering II: Performance	10			
Plus 30 credit points from level 3 or 4 first half-session courses of choice**.**					

Notes	
1.	This programme is accredited by the IMechE and EI as partially satisfying the educational base for a Chartered Engineer (CEng). A programme of accredited Further Learning will be required to complete the educational base for CEng. This programme would fully satisfy the educational base for Incorporate Engineer (IEng) registration.
2.	**EP4018**, *Petroleum Production Engineering and Technology* and **EP4019**, *Reservoir Engineering II – Performance* are compulsory courses for this programme of study and must be passed in order to be eligible to graduate from this accredited degree programme. Annex A of the *Supplementary Regulations for the Degree of Bachelor of Engineering* applies to these courses.
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. 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.