

**DEGREE OF BACHELOR OF ENGINEERING IN ENGINEERING
(MECHANICAL WITH OIL & GAS STUDIES) (07H3H852)**

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 1002	Getting Started at the University of Aberdeen	0	EE 1501	Electronics Design	15
EG 1008	Principles of Electronics	15	EG 1504	Engineering Mathematics 1	15
EG 1010	CAD and Communication in Engineering Practice	15	EG 1510	Fundamental Engineering Mechanics	15
EG 1012	Fundamentals of Engineering Materials	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
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 courses of choice at Levels 1 or 2			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 3511	Dynamics 1	15
EM 3015	Stress Analysis A	15	EM 3521	Engineering Thermodynamics	10
EM 3019	Fluid Mechanics	15	EM 3522	Design of Mechanical Elements	10
EM 3028	Engineering Materials	15	EP 3595	Drilling and Well Engineering	15

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 (See Note 4)				30
EM 40JJ	Fluid Dynamics	10	EG 4578	Group Design Project (BEng)	15
EM 40JP	Dynamics 2	15			
EP 4018	Petroleum Production Engineering and Technology	10	Plus 30 credit points from courses of choice at Levels 3 and 4		
EM 4030	Nonlinear Solid Mechanics	10			
OR					
EM 40JJ	Fluid Dynamics	10	EG 45PA	Individual Project Abroad (BEng)	45
EM 40JP	Dynamics 2	15			
EP 4018	Petroleum Production Engineering & Technology	10	EG 4578	Group Design Project (BEng) (See Note 5)	15
EM 4030	Nonlinear Solid Mechanics	10			
Plus 30 credit points from courses of choice in the first half session.					

Notes	
1.	This programme is accredited by the IMechE 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 Incorporated Engineer (IEng) registration.
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 (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 all 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 (GENERAL) may transfer to this programme with a view to transferring back to an honours programme for the commencement of Programme Year 4.
4.	EG4014 will commence in 1 st Half-Session and credits will be awarded at the 2 nd Half-Session examination diet. It is an expectation that candidates allocate the equivalent of 15 credit points of effort to EG4013 during the 1 st Half-Session and 15 credit points of effort during the 2 nd Half-Session.
5.	Candidates undertaking EG 45PA Individual Project Abroad (BEng) will undertake EG4578 Group Design Project (BEng) remotely from their host institution.