DEGREE OF BACHELOR OF ENGINEERING IN ENGINEERING (CIVIL) (07H20052)

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	EG 1504	Engineering Mathematics 1	15
EG 1008	Principles of Electronics	15			
EG 1010	CAD and Communication in Engineering Practice	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 30 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**
EA 3027	Geotechnics 1	15	EA 3518	Mechanics of Structures	15
EG 3007	Engineering Analysis and Methods 1A	15	EA 3519	Design of Structural Elements	15
			EA 3538	Structural Dynamics	10
EM 3015	Stress Analysis A	15	EA 3720	Civil Engineering Design and Surveying	10
EM 3019	Fluid Mechanics	15	EG 3599	Project and Safety Management	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 (see Note 4)				30
EA 40JE	Geotechnics 2	10	EG 4578	Group Design Project (BEng)	15
EA 40JF	Civil Engineering Hydraulics	10	Plus 30 credit points from courses of choice at Levels 3 and 4		
EA 40JG	Advanced Structural Design	10			
Plus one course from the following three:					
EA 4026	Advanced Structural Analysis	15			
EA 4027	Environmental Engineering	15			
EM 4029	Nonlinear Mechanics	15			
OR					
First Half-Session			Second Half-Session		
Course Code	**Course Title**	**Credit points**	**Course Code**	**Course Title**	**Credit points**
EA 40JE	Geotechnics 2	10	EG 45PA	Individual Project Abroad (BEng)	45
EA 40JF	Civil Engineering Hydraulics	10	EG 4578	Group Design Project (BEng) (See Note 5)	15
EA 40JG	Advanced Structural Design	10			
Plus one course from the following three:					
EA 4026	Advanced Structural Analysis	15			
EA 4027	Environmental Engineering	15			
EM 4029	Nonlinear Mechanics	15			
Plus 15 credit points from courses of choice at Levels 3 and 4					

Notes	
1.	This programme is accredited by the Institution of Civil Engineers (ICE), the Institution of Structural Engineers (IStructE), the Institute of Highway Engineers (IHE) & the Chartered Institution of Highways & Transportation (CIHT) 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.	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 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 ENGINEERNG (CIVIL) 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 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 15 credit points of effort during the 2nd Half-Session.
5.	Candidates undertaking EG 45PA Individual Project Abroad (BEng) will undertake EG4578 Group Design Project (BEng) remotely from their host institution.