

DEGREE OF MASTER OF ENGINEERING IN CIVIL ENGINEERING (07H20554)

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	EG 1504	Engineering Mathematics 1	15
EG 1008	Principles of Electronics	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 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 and 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

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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
EA 40JE	Geotechnics 2	10	Plus 30 credit points from courses of choice at Levels 3 and 4		
EA 40JF	Civil Engineering Hydraulics	10			
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 4513	Individual Project Abroad (MEng)	60
EA 40JF	Civil Engineering Hydraulics	10			
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.					

PROGRAMME YEAR 5 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
EG 501S	Numerical Simulation of Waves	15	EG 5565	MEng Group Design	30
EG 501W	The Engineer in Society	15	Plus two courses from the following six:		
EG 50T9	Structural Vibrations	15	EG 552U	Marine and Wind Energy	15
Plus one course from the following two:			EG 551T	Mathematical Optimisation	15
EA 50JG	Offshore Structural Design	15	EG 55F2	Pipelines and Soil Mechanics	15
			EG 55F9	Riser Systems and Hydrodynamics	15
EG 501V	Computational Fluid Dynamics	15	EG 55P6	Engineering Risk and Reliability Analysis	15
			SS 5500	Remediation Technology	15

PLEASE SEE OVER →

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 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 (CIVIL) 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 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 30 credit points of effort during the 2 nd Half-Session.