

DEGREE OF BACHELOR OF ENGINEERING IN ENGINEERING (MECHANICAL AND ELECTRICAL) (07HH3552)

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					
Term 1			Term 2		
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	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
			EG 1513	Circuit Analysis and Design	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					
Term 1			Term 2		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
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			EG 2513	Solids and Structures	15
			EG 2514	Electronic Systems	15

PROGRAMME YEAR 3 – 120 Credit Points					
Term 1			Term 2		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
EE 3043	Control Systems	15	EE 3557	Electrical Power Engineering	15
EG 3007	Engineering Analysis and Methods 1A	15	EG 3505	Engineer in Society	10
			EM 3511	Dynamics 1	15
EM 3019	Fluid Mechanics	15	EM 3521	Engineering Thermodynamics	10
EM 3028	Engineering Materials	15	EM 3522	Design of Mechanical Elements	10

PROGRAMME YEAR 4 – 120 Credit Points					
Term 1			Term 2		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
EE 4011	Optical Systems and Sensing	15	EG 45PC OR EG 45PD OR EG 45PA	Individual Project (BEng)	45
EE 4012	Electrical Machines and Drives	15		Industrial Individual Project (BEng)	
EM 40JP	Dynamics 2	15		Individual Project Abroad (BEng)	
EM 4011	Fluid Dynamics	15	EG 4578	Group Design Project (BEng) (see note 5)	15

PLEASE SEE OVER →

Notes	
1.	This programme is accredited by the IMechE and IET 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 (MECHANICAL AND ELECTRICAL) may transfer to this programme with a view to transferring back to an honours programme for the commencement of Programme Year 4.
4.	When completing registration for Programme Year 4, candidates registered for this programme will be registered for either EG 45PC Individual Project (BEng) or EG 45PA Individual Project Abroad (BEng). Candidates who are allocated an Industrial Project through the project allocation conducted during Term 1 will then be transferred to EG 45PD Industrial Individual Project (BEng) as necessary.
5.	Candidates undertaking EG 45PA Individual Project Abroad (BEng) or EG 45PD Industrial Individual Project (BEng) will undertake EG 4578 Group Design Project (BEng) remotely from their host institution.