

**DEGREE OF BACHELOR OF ENGINEERING IN ENGINEERING  
(ELECTRONIC AND SOFTWARE) (07H6H452)**

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			
CS 1032	Programming 1	15	CS 1533	Computer Systems and Architecture	15
EG 1008	Principles of Electronics	15	EE 1501	Electronics Design	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

PROGRAMME YEAR 2 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
CS 1029	Modelling and Problem Solving for Computing	15	CS 2513	Mathematics for Computing Science	15
CS 2020	Software Programming	15	CS 2522	Algorithms and Data Structures	15
CS 2019	Databases and Data Management	15	EE 2504	Electronic Systems	15
EG 2012	Engineering Mathematics 2	15	EG 2501	Design and Computing in Engineering Practice	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
CS 3028	Principles of Software Engineering	15	CS 3528	Software Engineering and Professional Practice	15
EE 3093	C/C++ Programming	15	EE 3580	Digital Systems	15
EE 3053	Signals, Systems and Signal Processing	15	EE 3576	Communications Engineering 1	10
EG 3007	Engineering Analysis and Methods 1A	15	EE 3579	Electrical and Electronics Engineering Design	10
			EG 3599	Project and Safety Management	10

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
CS 4096	Operating Systems	15	CS 4595	Distributed Systems and Security	15
CS 4097	Security	10	EE 4546	Communications Engineering 2	15
EE 4017	Sensing and Instrumentation	10	EG 4578	Group Design Project (BEng)	15
EE 40GA	Computer and Software Engineering	10			

**PLEASE SEE OVER →**

### Notes

1.	This programme is accredited by the 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 Incorporate Engineer (IEng) registration. This programme will seek accreditation from the BCS at the earliest opportunity.
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 (ELECTRICAL AND ELECTRONIC) 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 <sup>st</sup> Half-Session and credits will be awarded at the 2 <sup>nd</sup> Half-Session examination diet. It is an expectation that candidates allocate the equivalent of 15 credit points of effort to EG4013 during the 1 <sup>st</sup> Half-Session and 15 credit points of effort during the 2 <sup>nd</sup> Half-Session.