

**DEGREE OF MASTER OF ENGINEERING IN ELECTRONIC AND SOFTWARE ENGINEERING
(07H6H354)**

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					
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			
CS 1032	Programming 1	15	CS 1533	Computer Systems and Architecture	15
EG 1008	Principles of Electronics	15	EG 1504	Engineering Mathematics 1	15
EG 1010	CAD and Communications in Engineering Practice	15	EG 1510	Fundamental Engineering Mechanics	15
EG 1012	Fundamentals of Engineering Materials	15	EG 1513	Circuit Analysis and Design	15

PROGRAMME YEAR 2 – 120 Credit Points					
Term 1			Term 2		
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 Computer Science	15
CS 2020	Software Programming	15	CS 2522	Algorithms and Data Structures	15
CS 2019	Databases and Data Management	15	EG 2501	Design and Computing in Engineering Practice	15
EG 2012	Engineering Mathematics 2	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
CS 3028	Principles of Software Engineering	15	CS 3528	Software Engineering and Professional Practice	15
EE 3053	Signals, Systems and Signal Processing	15	EE 3576	Communications Engineering 1	10
			EE 3579	Electrical and Electronics Engineering Design	10
EE 3093	C/C++ Programming	15	EE 3580	Digital Systems	15
EG 3007	Engineering Analysis and Methods 1A	15	EG 3505	Engineer in Society	10

PROGRAMME YEAR 4 – 120 Credit Points					
Term 1			Term 2		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
CS 4028	Security	15	EG 45PE OR EG 45PF OR EG 45PA	Individual Project (MEng)	60
CS 4096	Operating Systems	15		Industrial Individual Project (MEng)	
EE 4011	Sensing and Instrumentation	15		Individual Project Abroad (MEng)	
EE 4013	Computer and Software Engineering	15			

PLEASE SEE OVER →

PROGRAMME YEAR 5 – 120 Credit Points					
Term 1			Term 2		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
EE 501T	Advanced Control Engineering	15	CS 551A	Fundamentals of Software Project Management	15
EE 5046	Optical Systems and Sensing	15			
EG 501W	The Engineer in Society (to be replaced in 2026/27)	15	EG 5565	MEng Group Design	30
EG 504M	Introduction to Mobile Robotics and Bioinspiration	15			
			Plus one course from the following two:		
			CS 551H	Natural Language Generation	15
			CS 551K	Software Agents and Multi-Agent Systems	15

Notes	
1.	This programme is accredited by the IET as fully satisfying the educational base for a Chartered Engineer (CEng). This programme will seek accreditation from the BCS at the first available opportunity.
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 (ELECTRONIC AND SOFTWARE) 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.	When completing registration for Programme Year 4, candidates registered for this programme will be registered for either EG 45PE Individual Project (MEng) or EG 4513 Individual Project Abroad (MEng). Candidates who are allocated an Industrial Project through the project allocation conducted during Term 1 will then be transferred to EG 45PF Industrial Individual Project (MEng) as necessary.