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

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 Programme 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	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 3576	Communications Engineering 1	10
EE 3053	Signals, Systems and Signal Processing	15	EE 3579	Electrical and Electronics Engineering Design	10
EG 3007	Engineering Analysis and Methods 1A	15	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 Point**
EG 4013	MEng Individual Project (See Note 4)				45
CS 4096	Operating Systems	15	CS 4595	Distributed Systems and Security	15
CS 4097	Security	10			
EE 4017	Sensing and Instrumentation	10	EE 4546	Communications Engineering 2	15
EE 40GA	Computer and Software Engineering	10			

PLEASE SEE OVER →

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 504M	Introduction to Mobile Robotics and Bioinspiration	15	CS 551A	Fundamentals of Software Project Management	15
EE 501T	Advanced Control Engineering	15			
EG 501W	The Engineer in Society	15			
EE 5046	Optical Systems and Sensing	15	EG 5565	MEng Group Design	30
			Plus one course from the following two:		
			CS 551H	Natural Language Generation	15
			CS 551K	Software Agents and Multi-Agent Systems	15

Notes

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.

All course choices at level 2 and above are subject to students holding the appropriate pre-requisites.

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 ENGINEERNG (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.

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.

EG4013 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 30 credit points of effort during the 2nd Half-Session.