

DEGREE OF MASTER OF ENGINEERING IN ELECTRICAL AND ELECTRONIC ENGINEERING WITH ROBOTICS (07H6H754)

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			
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
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	EG 2514	Electronic Systems	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 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
EE 3053	Signals, Systems and Signal Processing	15	EE 3580	Digital Systems	15
EE 3093	C/C++ Programming	15	EE 3576	Communications Engineering 1	10
EG 3007	Engineering Analysis and Methods 1A	15	EE 3579	Electrical and Electronics Engineering Design	10
			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
EE 4011	Sensing and Instrumentation	15	EG 45PE OR EG 45PF OR EG 45PA	Individual Project (MEng)	60
EE 4012	Electrical Machines and Drives	15		Industrial Individual Project (MEng)	
EE 4013	Computer and Software Engineering	15		Individual Project Abroad (MEng)	
EE 4014	Communications Engineering 2	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	EG 551T	Mathematical Optimisation	15
EG 501W	The Engineer in Society (to be replaced in 2026/27)	15			
EG 504M	Introduction to Mobile Robotics and Bioinspiration	15	EG 554V	Kinematics and Dynamics of Industrial Robot Arms	15
EG 504N	Localisation and Mapping in the Industrial Domain	15	EG 5565	MEng Group Design	30

Notes	
1.	This programme is accredited by the IET 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 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.</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.