

**DEGREE OF MASTER OF ENGINEERING IN
ELECTRICAL AND ELECTRONIC ENGINEERING WITH RENEWABLE ENERGY (07H6H654)**

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 in the University of Aberdeen | 0 | | | |
| EG 1008 | Principles of Electronics | 15 | EE 1501 | Electronics Design | 15 |
| EG 1010 | CAD and Communication in Engineering Practice | 15 | EG 1504 | Engineering Mathematics 1 | 15 |
| EG 1012 | Fundamentals of Engineering Materials | 15 | EG 1510 | Fundamental Engineering Mechanics | 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 | | | | | |
|---|------------------------------------|---------------|---|--|---------------|
| First Half-Session | | | Second Half-Session | | |
| Course Code | Course Title | Credit Points | Course Code | Course Title | Credit Points |
| EG 2004 | Fluid Mechanics and Thermodynamics | 15 | EE 2504 | Electronic Systems | 15 |
| EG 2011 | Process Engineering | 15 | EG 2501 | Design and Computing in Engineering Practice | 15 |
| EG 2012 | Engineering Mathematics 2 | 15 | EG 2503 | Electrical and Mechanical 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 | | | | | |
|--------------------------------------|--|---------------|---------------------|---|---------------|
| First Half-Session | | | Second Half-Session | | |
| 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 3576 | Communications Engineering 1 | 10 |
| EE 3093 | C/C++ Programming | 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 Points |
| EG 4013 | MEng Individual Project (See Note 4) | | | | 45 |
| EE 4017 | Sensing and Instrumentation | 10 | EE 4546 | Communications Engineering 2 | 15 |
| EE 40FE | Electrical Machines and Drives | 10 | | | |
| EE 40GA | Computer and Software Engineering | 10 | | | |
| Plus 15 credit points from courses of choice at Levels 3 or 4 | | | Plus 15 credit points from courses of choice at Levels 3 or 4 | | |

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 |
| EE 501T | Advanced Control Engineering | 15 | EG 551K | Renewable Energy Integration to Grid | 15 |
| EG 503A | Geothermal & Hydro Energy | 15 | | | |
| EG 50M1 | Energy from Biomass | 15 | EG 552U | Marine & Wind Energy | 15 |
| EG 501W | The Engineer in Society | 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. | EG4013 will commence in 1 st Half-Session and credits will be awarded at the 2 nd Half-Session examination diet. It is an expectation that candidates allocate the equivalent of 15 credit points of effort to EG4013 during the 1 st Half-Session and 30 credit points of effort during the 2 nd Half-Session. |