

# Supplementary Regulations for the Degree of Master of Engineering (MEng)

## RESOLUTION

The degree of Master of Engineering (MEng) is conferred in accordance with Resolution No. 183 of 1995, which was approved by the University Court and came into force on 12 December 1995.

## REGULATIONS

1. The Degree of Master of Engineering (MEng) may be conferred as a first degree but only following the completion of an Honours programme. The examiners may recommend that a candidate who has failed to achieve the standard for the award of the Degree with Honours be awarded the Degree of Bachelor of Engineering, or the Degree of Bachelor of Science in Engineering, in accordance with the Supplementary Regulations governing those degrees.
2. Studies for the MEng are organised in five programme years. A full-time student carries out the studies of each programme year within one session. In each programme year the minimum curriculum which must be studied amounts to 120 credit points. Programme years one and two may be undertaken by part-time study, in which case the studies of each of those programme years would normally be spread over two sessions.
3. The courses for the degree are those contained in the Programme Prescription annexed to these regulations; only passes in those courses are recognised for the purpose of these regulations and the award of the degree. Passes obtained under previous versions of the Programme Prescriptions will continue to be valid.
4. All candidates who are admitted to the degree or to the Honours programme must be registered for one of the following degree programmes:

Engineering  
Chemical Engineering  
Civil and Environmental Engineering  
Civil and Structural Engineering  
Civil Engineering  
Civil Engineering with Management  
Civil Engineering with Subsea Technologies  
Electrical and Electronic Engineering  
Electrical and Electronic Engineering with Renewable Energy  
Electronic and Software Engineering  
Mechanical and Electrical Engineering  
Mechanical Engineering  
Mechanical Engineering with European Studies  
Mechanical Engineering with Management  
Mechanical Engineering with Subsea Technology  
Petroleum Engineering

The requirements of the individual degree programmes are set out in the Programme Prescriptions. The Professional Engineering Institutions, in accrediting the degree programme for professional registration purposes, have accepted the degree programmes as indicated in the Programme Prescriptions.

5. The Honours programme of the degree comprises programme years 3, 4 and 5.
- 6.1 In the case of exemption being granted by the Senatus Academicus, where a candidate is seeking study abroad, the period of study at the University of Aberdeen must be at least four sessions full-time, or the equivalent if part-time study is involved. Study abroad may only be undertaken on presentation of a curriculum of study approved by the Programme Leader and the Admissions Selector. In the case of candidates who do not follow and achieve the approved curriculum, they will be required to repeat their programme year.
- 6.2 In the case of exemption being granted by the Senatus Academicus, where a candidate is permitted to enter the programme at the beginning of Level 2, the minimum period of study must be not less than four full-time sessions, or the part-time equivalent.
- 6.3 In the case of exemption being granted by the Senatus Academicus, where a candidate is permitted to enter the programme at the beginning of Level 3, the minimum period of study must be not less than three full-time sessions.
- 6.4 In cases where the Senatus Academicus has approved arrangements made with other specific institutions for Honours projects abroad, candidates may attend courses taken at one of these institutions and these courses may be regarded as part of the Honours programmes. Such courses may not contribute more than one half session of the Honours programme. Such courses may NOT be taken at level 1 and 2 for any candidate.
7. Credit points awarded as part of studies in programme years 1, 2, 3 and 4 of the BEng degree at the University of Aberdeen may be recognised for the purposes of the MEng degree.
- 8.1 In terms of General Regulation for First Degrees 16.1, except with the permission of the Senatus Academicus, candidates may not progress from programme year 1 to programme year 2 unless they have accumulated by award or recognition, at least 120 credit points, and passed all courses prescribed for their particular degree programme.
- 8.2 In terms of General Regulations for First Degrees 16.1 and 16.4, except with the permission of the Senatus Academicus, candidates may not proceed to the Honours programme unless they have accumulated by award or recognition, at least 240 credit points and passed all courses prescribed for their particular degree programme.

- 8.3 In terms of General Regulations for First Degrees 16.3, candidates who do not satisfy the progression requirements in 8.1 or 8.2 above, and who wish to continue study, will normally be required by the Senatus Academicus to transfer to the appropriate programme year of either the Degree of Bachelor of Engineering (BEng) or the Degree of Bachelor of Science in Engineering (BSc Eng), in accordance with the Supplementary Regulations which govern those degrees.
- 9.1 In terms of General Regulations for First Degrees 16.1(f) and 16.4, except with the permission of the Senatus Academicus, candidates may not progress from programme year 3 to programme year 4 unless they have accumulated by award of recognition, at least 360 credit points from courses attended and passed all courses prescribed for their particular degree programme.
- 9.2 In terms of General Regulations for First Degrees 16.5, except with the permission of the Senatus Academicus, candidates may not progress from programme year 4 to programme year 5 unless they have accumulated by award of recognition, at least 480 credit points and passed all courses prescribed for their particular degree programme.
- 9.3 Every candidate for the Degree of Master of Engineering first enrolled in or after Academic year 1990-1991 must obtain a minimum of 600 credit points, including 120 credit points from prescribed courses at Level 5, including the MEng Group Design and including passes at first attempt in Individual Project, and all required courses as stipulated by Annex A.
- (i) Every candidate for the Degree of Master of Engineering first enrolled in or after Academic year 1990-1991 who chooses to undertake the Level 4 Individual Project Abroad must obtain a minimum of 600 credit points, including 120 credit points from prescribed courses at Level 5 and including passes at first attempt in Individual Project, and all required courses as stipulated by Annex A.
- 9.4 The situation of students who are in programme year 3 will be reviewed following receipt of the results for the second half-session. The situation of students who are in programme year 4 will be reviewed following receipt of the results for the first and second half-session. Those students deemed by the Head of Engineering not to have reached a sufficiently high level of performance may be required to transfer to the Degree of Bachelor of Engineering or the Degree of Bachelor of Science in Engineering. The level of performance which will be expected by the Head of Engineering will be made publicly available to students in the School of Engineering Undergraduate Student Handbook.
10. In determining the award of the degree, the examiners will take into account the candidate's performance in the first opportunity for the degree assessment for courses in Programme Years 3, 4 and 5, unless General Regulation 21 (a) applies. In addition, consideration may be given to the performance in such other tests and assessment of a candidate's previous work as the examiners, with the approval of the Senatus Academicus, may from time to time require.
11. In terms of General Regulations for First Degrees 21(a), MEng candidates who fail to complete satisfactorily an element of Honours degree assessment would not normally be awarded compensatory credit, as per the requirements of Supplementary Regulation 9.2.
12. As part of the conditions for degree accreditation, certain variants of the Master of Engineering programmes require students to pass specified compulsory course elements, as stipulated in Annex A.

## **ANNEX A**

Candidates who are admitted directly into Programme Year 2 will be given exemption or recognition for all or most of the courses in Programme Year 1. Candidates who have not been given exemption or recognition will be required to register for the course(s) that they are missing.

Candidates who are admitted directly into Programme Year 3 will be given exemption or recognition for all or most of the courses in Programme Years 1 & 2. Candidates who have not been given exemption or recognition will be required to register for the course(s) that they are missing.

## **ACCREDITATION REQUIREMENTS OF SPECIALISED DEGREE PROGRAMMES**

Students registered for specialised programmes must pass the compulsory courses at Level 4 and Level 5 as specified below and in the programme prescription to be awarded the Degree. Failure to pass the specified courses, as per Regulation 12, will result in an inability to graduate from the specified programme.

### **Degree of Master of Engineering in Chemical Engineering**

EX 402A Process Safety  
EX 40HC Process Control

### **Degree of Master of Engineering in Civil and Structural Engineering**

EG 40JG Advanced Structural Design  
EG 4526 Advanced Structural Analysis

### **Degree of Master of Engineering in Civil and Environmental Engineering**

EA 4527 Environmental Engineering

### **Degree of Master of Engineering in Mechanical and Electrical Engineering**

EE 40FD Electrical Machines and Drives

## **REQUIREMENTS OF INDIVIDUAL DEGREE PROGRAMMES**

In addition to the above there are further requirements for individual degree programmes which affect only the Honours Programme. These are set out in the programme prescriptions.

The information in the programme prescriptions also shows for each degree programme the engineering institution(s) that accredit the

particular programme. Students successfully completing a programme thus accredited and awarded class II (ii) or better will satisfy the educational base for chartered engineer (CEng) status obtained through the institution named. The accrediting institutions listed are as follows:

ICE refers to the Institution of Civil Engineers

IChemE refers to the Institution of Chemical Engineers

IET refers to the Institution of Engineering and Technology

IHE refers to the Institute of Highway Engineers (IHE)

IMechE refers to the Institution of Mechanical Engineers

IStructE refers to the Institution of Structural Engineers

CIHT refers to the Chartered Institution of Highways & Transportation

EI refers to the Energy Institute

IMarEST (Institute of Marine Engineering, Science and Technology)

# Supplementary Regulations for the Degree of Bachelor of Engineering (BEng)

1. The degree of Bachelor of Engineering (BEng) may be conferred under these Supplementary Regulations only following the completion of one of the Honours programmes listed in Supplementary Regulation 4, below. The examiners may recommend that a candidate who has failed to achieve the standard for the award of the Degree with Honours be awarded the Degree of Bachelor of Science in Engineering, in accordance with the Supplementary Regulations governing that degree.
2. Studies for the BEng are organised in four programme years. A full-time student carries out the studies of each programme year within one session. In each programme year the minimum curriculum that must be studied amounts to 120 credit points. Programme years one and two may be undertaken by part-time study, in which case the studies of each of those programme years would normally be spread over two sessions.
3. The courses for the degree are those contained in the programme prescriptions annexed to these regulations. Only passes in these courses are recognised for the purpose of these regulations and for the award of the degree. Passes obtained under previous versions of the programme prescriptions will continue to be valid.
4. All candidates who are admitted to the degree or to the Honours Programme must be registered for one of the following degree programmes:

Engineering  
Chemical Engineering  
Engineering (Civil)  
Engineering (Civil with European Studies)  
Engineering (Civil and Structural)  
Engineering (Civil and Environmental)  
Engineering (Electrical and Electronic)  
Engineering (Electronic and Software)  
Engineering (Mechanical)  
Engineering (Mechanical with European Studies)  
Engineering (Mechanical and Electrical)  
Engineering (Mechanical with Oil and Gas Studies)  
Petroleum Engineering

The requirements of the individual degree programmes are set out in the programme prescriptions. The Professional Engineering Institutions in accrediting the degree programmes for professional registration purposes have accepted the degree programmes as indicated in the programme prescriptions.

5. The Honours programme of the degree comprises programme years 3 and 4.
  - 6.1 In the case of exemption being granted by the Senatus Academicus, where a candidate is seeking study abroad, the period of study at the University of Aberdeen must be at least three sessions full-time, or the equivalent if part-time study is involved. Study abroad may only be undertaken on presentation of a curriculum of study approved by the Programme Leader and the Admissions Selector. In the case of candidates who do not follow and achieve the approved curriculum, they will be required to repeat their programme year.
  - 6.2 In the case of exemption being granted by the Senatus Academicus, where a candidate is permitted to enter the programme at the beginning of level 2, the minimum period of study must be not less than three full-time sessions, or the part-time equivalent.
  - 6.3 In the case of exemption being granted by the Senatus Academicus, where a candidate is permitted to enter the programme at the beginning of Level 3, the minimum period of study must be not less than two full-time sessions.
  - 6.4 In cases where the Senatus Academicus has approved arrangements made with other specific institutions for Honours Project Abroad, candidates may attend courses taken at one of these institutions and these courses may be regarded as part of the Honours programmes. Such courses may not contribute more than one half session of the Honours programme. Such courses may NOT be taken at level 1 or 2 for any candidate. Such courses may not be taken at level 2 for any candidate entering the programme at the beginning of level 2.
7. Credit points awarded as part of studies in programme years 1, 2, 3 and 4 of the MEng degree at the University of Aberdeen may be recognised for the purposes of the BEng degree.
  - 8.1 In terms of General Regulations for First Degrees 16.1, except with the permission of the Academic Standards Committee (Undergraduate), candidates may not progress from programme year 1 to programme year 2 unless they have accumulated by award or recognition, at least 105 credit points from the courses outlined in the programme prescription for programme year 1.
  - 8.2 In terms of General Regulations for First Degrees 16.1, except with the permission of the Senatus Academicus candidates may not proceed to the Honours programme unless they have accumulated by award or recognition, at least 240 credit points and passed all prescribed courses for programme years 1 and 2.
  - 8.3 In terms of General Regulations for First Degrees 16.3, candidates who do not satisfy the progression requirements in 8.1 or 8.2 above, and who wish to continue study, will normally be required by the Senatus Academicus to transfer to the appropriate programme year of the Degree of Bachelor of Science in Engineering (BSc Eng), in accordance with the Supplementary Regulations which govern those degrees. Candidates who do not meet the requirements of Supplementary Regulation 8.4 in their first attempt should refer to General Regulation 20.3.
  - 8.4 In terms of General Regulations for First Degrees 16.1(f), except with the permission of the Senatus Academicus, candidates may not progress from programme year 3 to programme year 4 unless they have accumulated by award of recognition, at least 360 credit points from courses attended and passed all courses prescribed for their particular degree programme.

- 8.5 Every candidate for the Degree of Bachelor of Engineering first enrolled in or after Academic year 1990-1991 must obtain a minimum of 480 credit points, including 90 credit points at Level 4, including the BEng Group Design and including passes at first attempt in Individual Project, and all required courses as stipulated by Annex B.
- (i) Every candidate for the Degree of Bachelor of Engineering first enrolled in or after Academic year 1990-1991 who chooses to undertake the Level 4 Individual Project Abroad must obtain a minimum of 480 credit points, including 90 credit points at Level 4 and including passes at first attempt in Individual Project, and all required courses as stipulated by Annex B
- 9 In determining the award of the degree, the examiners will take into account the candidate's performance in the first opportunity for the degree assessment for courses in programme years 3 and 4, unless General Regulation 21 (a) applies. In addition, consideration may be given to the performance in such other tests and assessment of a candidate's previous work as the examiners, with the approval of the Senatus Academicus, may from time to time require.
10. Notwithstanding the provisions of General Regulation 21, candidates who fail to complete satisfactorily an element of Honours degree assessment would not normally be awarded more than 20 credits of unnamed specific credit at level 1.
11. As part of the conditions for degree accreditation, certain variants of the Bachelor of Engineering programmes require students to pass specified compulsory course elements, as stipulated in Annex B. Notwithstanding the provisions of General Regulation 21, students failing these courses with a CGS E3, E2 or E1 would not be eligible for compensatory credit.

## **ANNEX B**

Candidates who are admitted directly into Programme Year 2 will be given exemption or recognition for all or most of the courses in Programme Year 1. Candidates who have not been given exemption or recognition will be required to register for the course(s) that they are missing.

Candidates who are admitted directly into Programme Year 3 will be given exemption or recognition for all or most of the courses in Programme Years 1 & 2. Candidates who have not been given exemption or recognition will be required to register for the course(s) that they are missing.

## **ACCREDITATION REQUIREMENTS OF SPECIALISED DEGREE PROGRAMMES**

Students registered for specialised programmes must pass the compulsory courses at Level 4 as specified below and in the programme prescription to be awarded the Degree. Failure to pass the specified courses, as per Regulation 11, will result in an inability to graduate from the specified programme.

### **Degree of Bachelor of Engineering in Chemical Engineering**

EX 402A Process Safety  
EX 40HC Process Control

### **Degree of Bachelor of Engineering in Civil and Structural Engineering**

EG 40JG Advanced Structural Design  
EG 4526 Advanced Structural Analysis

### **Degree of Bachelor of Engineering in Civil and Environmental Engineering**

EA 4527 Environmental Engineering

### **Degree of Bachelor of Engineering in Mechanical and Electrical Engineering**

EE 40FD Electrical Machines and Drives

## **REQUIREMENTS OF INDIVIDUAL DEGREE PROGRAMMES**

In addition to the above there are further requirements for individual degree programmes which affect only the Honours Programme. These are set out in the programme prescriptions. The information in the programme prescriptions also shows for each degree programme the engineering institution(s) that accredit the particular programme. Students who are awarded a BEng honours degree after 2002-03 should note that this degree alone will not meet the educational requirements of chartered engineer status. Students may be able to complete further study in order to satisfy in full the educational requirements of chartered engineer status. The accrediting institutions listed are as follows:

ICE refers to the Institution of Civil Engineers  
 IChemE refers to the Institution of Chemical Engineers  
 IET refers to the Institution of Engineering and Technology  
 IHE refers to the Institute of Highway Engineers IMechE  
 refers to the Institution of Mechanical Engineers IStructE  
 refers to the Institution of Structural Engineers  
 CIHT refers to the Chartered Institution of Highways & Transportation  
 EI refers to the Energy Institute  
 IMarEST (Institute of Marine Engineering, Science and Technology)

# Supplementary Regulations for the Degree of Bachelor of Science in Engineering (BSc Eng)

1. The degree of Bachelor of Science in Engineering (BSc Eng) may be conferred by the University of Aberdeen.
2. Studies for the BSc Eng are organised in three programme years, programme year 1, 2 and 3, each occupying one session for a full-time student. Candidates with suitable qualifications may be admitted directly to programme year 2 or 3. All programme years may be undertaken by part-time study, in which case the studies of each programme year would normally be spread over two sessions.
3. The courses for the degree are those contained in the Programme Prescriptions annexed to these regulations; only passes in those courses are recognised for the purpose of these regulations and for the award of the degree. Candidates must follow the prescriptions given in the Programme Prescriptions. Passes obtained under previous versions of the Programme Prescriptions will continue to be valid.
4. All candidates must be registered for one of the following degree programmes:
  - Engineering (Chemical)
  - Engineering (Civil)
  - Engineering (Electrical and Electronic)
  - Engineering (General)
  - Engineering (Mechanical)
  - Engineering (Petroleum)

The requirements of the individual degree programmes are set out in the Programme Prescriptions.
5. In terms of General Regulations 14, any such exemptions and credit points awarded will be limited to courses at Levels 1 and 2.
6. Credit points awarded as part of the studies in programme years 1, 2 and 3 of the degrees of MEng or BEng at the University of Aberdeen may be recognised for the purposes of the BSc Eng degree.
7. To be eligible for the award of the degree a candidate must:
  - (a) have obtained, by award or recognition, at least 360 credit points including all compulsory courses in programme year 1 and 2 and at least 90 credit points from programme year 3, as specified in the programme prescription,
  - (b) have obtained at least 120 credit points by successful completion of assessments relating to courses specified in the programme prescription while registered and attending at the University of Aberdeen,
8. In terms of General Regulation 16.1, except with the permission of the Senatus Academicus, candidates may not progress:
  - (a) from programme year 1 to programme year 2, unless they have accumulated, by award or recognition, at least 90 credit points from the courses outlined in the programme prescription for programme year 1
  - (b) from programme year 2 to programme year 3, unless they have accumulated, by award or recognition, at least 225 credit points from the courses outlined in the programme prescription for programme years 1 and 2

## ANNEX C

### ***Direct entrants to programme years 2 and 3***

Candidates who are admitted directly into Level 2 will be given exemption or recognition for all or most of the courses in Programme Year 1. Candidates who have not been given exemption or recognition will be required to register for the course(s) that they are missing.

Candidates who are admitted directly into Level 3 will be given exemption or recognition for all or most of the courses in Programme Years 1 & 2. Candidates who have not been given exemption or recognition will be required to register for the course(s) that they are missing at those levels.

### ***Requirements of Individual Degree Programmes (For non-direct entrants to Programme Year 3)***

The requirements of the individual degree programmes are set out in the appended programme prescriptions.