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. Candidates with suitable qualifications may be admitted directly to programme year 2 or 3. 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 Technology
   Electrical and Electronic Engineering
   Electrical and Electronic Engineering with Renewable Energy
   Electrical and Electronic Engineering with Robotics
   Electronic and Software Engineering
   Mechanical and Electrical Engineering
   Mechanical Engineering
   Mechanical Engineering with Biomechanics
   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 Study Abroad Coordinator (Engineering). In the case of candidates

who do not follow and achieve the approved curriculum, they may 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 term 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 Term 1 of programme year 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 105 credit points from courses outlined in the programme prescription for programme year 1 and satisfy Supplementary Regulation 9.4.

8.2 In terms of General Regulations for First Degrees 16.1 and 16.3, 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 225 credit points from courses outlined in the programme prescription for programme years 1 and 2 and satisfy Supplementary Regulation 9.4.

8.3 In terms of General Regulations for First Degrees 16.2, candidates who do not satisfy the progression requirements in 8.1 or 8.2, 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(c) and 16.3, 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 or recognition, at least 345 credit points from courses outlined in the programme prescription for programme years 1, 2 and 3 and satisfy Supplementary Regulation 9.4.

9.2 In terms of General Regulations for First Degrees 16.4, 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 or recognition, at least 480 credit points, passed all courses prescribed for their particular degree programme and satisfy Supplementary Regulation 9.4.

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 a pass in the MEng Group Design and the MEng Individual Project.

(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 a pass in the MEng Group Design and the MEng Individual Project Abroad.

9.4 The academic performance of students will be reviewed at the end of each academic year. A GPA ≥12.00 from Engineering courses is required to remain on the MEng programme, calculated at year end for the previous academic year. Those students deemed by the Head of School of the School 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.

10. 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 be awarded compensatory credit, as per the requirements of Supplementary Regulation 9.3.

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 MEng programme thus accredited will fully satisfy the educational base for Chartered Engineer (CEng) status obtained through the named professional engineering institution. The accrediting professional engineering 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 refers to the 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. Candidates with suitable qualifications may be admitted directly to programmer year 2 or 3. 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 and Structural)
Engineering (Civil and Environmental)
Engineering (Electrical and Electronic)
Engineering (Electronic and Software)
Engineering (Mechanical)
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 Study Abroad Coordinator (Engineering). In the case of candidates who do not follow and achieve the approved curriculum, they may 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 term 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, and 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 Senatus Academicus, 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 225 credit points from the courses outlined in the programme prescription for programme years 1 and 2.

8.3 In terms of General Regulations for First Degrees 16.2, candidates who do not satisfy the progression requirements in 8.1 or 8.2, 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.

8.4 In terms of General Regulations for First Degrees 16.1(c), 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 or recognition, at least 345 credit points from courses outlined in the programme prescription for programme years 1, 2 and 3. Candidates who do not meet the requirements of Supplementary Regulation 8.4 in their first attempt should refer to General Regulation 20.3.

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 from courses outlined in the programme prescription, including 90 credit points at level 4, a pass in the BEng Group Design, the Individual Project and all required courses as stipulated by Annex A.

(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 from courses outlined in the programme prescription, including 90 credit points at level 4, a pass in the BEng Group Design, the Individual Project Abroad and all required courses as stipulated by Annex A.

9. 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 A. 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 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 and 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 some 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 9, will result in an inability to graduate from the specified programme.

Degree of Bachelor of Engineering in Civil and Structural Engineering
EA 4013 Advanced Structural Design
EA 4026 Advanced Structural Analysis

Degree of Bachelor of Engineering in Civil and Environmental Engineering
EA 4027 Environmental Engineering

Degree of Bachelor of Engineering in Mechanical and Electrical Engineering
EE 4012 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 fully satisfies the educational requirement for Incorporated Engineer (IEng) status and partially satisfies 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 professional engineering 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 refers to the 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 academic session for a full- time student. 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 academic 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 210 credit points from the courses outlined in the programme prescription for programme years 1 and 2