These programme regulations should be read in conjunction with the University's core regulations for undergraduate programmes, and the marking and classification conventions for undergraduate programmes.

MEng General Engineering (H100)

1. This programme is available at Durham City, in a full-time mode of study.

Level 1 (Certificate)

2. Candidates shall study and be assessed in the following modules:

		Credit value
Applied Mechanics I	ENGI1091	20
Electromagnetism and Manufacture	ENGI1131	20
Thermodynamics & Fluid Mechanics I	ENGI1111	20
Electronic Measurement	ENGI1141	20
Mathematics for Engineers and Scientists	MATH1551	20

3. Candidates shall also study and be assessed in modules to the value of 20 credits offered by any Boards of Studies (including appropriate credit-bearing language modules offered by the University's Centre for Foreign Language Study).

Level 2 (Diploma)

4. Candidates shall study and be assessed in the following modules:

		Credit value
Mathematical Modelling and Computing 2	ENGI2011	20
Probability, Statistics and Further Mathematical Methods	ENGI2051	20
Mechanics and Materials	ENGI2141	20
Manufacturing and Electromechanics	ENGI2151	20
Electronics and Design	ENGI2161	20
Thermofluids and Design	ENGI2171	20

Level 3 (Degree)

EITHER (Civil Engineering Route)

5. Candidates shall study and be assessed in the following modules:

		Credit value
Soil Engineering	ENGI3311	20
Structures and Geomatics	ENGI3301	20
Environmental Engineering	ENGI3341	20
Applied Mechanics III	ENGI3411	20
Civil Design	ENGI3401	20
Design and Management for Civil Engineering	ENGI3381	20

OR (Electrical Engineering Route)

6. Candidates shall study and be assessed in the following modules:

		Credit value
Control and Signal Processing	ENGI3391	20
Electrical Engineering	ENGI3371	20
Electronics	ENGI3361	20
Thermodynamics and Fluid Mechanics	ENGI3291	20
Engineering Design	ENGI3351	20
Management and Manufacture	ENGI3421	20

OR (Electronic Engineering Route)

7. Candidates shall study and be assessed in the following modules:

		Credit value
Electronics	ENGI3361	20
Computer Architecture and Communications	ENGI3321	20

Microelectronics	ENGI3331	20
Control and Signal Processing	ENGI3391	20
Engineering Design	ENGI3351	20
Management and Manufacture	ENGI3421	20

OR (Mechanical Engineering Route)

8. Candidates shall study and be assessed in the following modules:

		Credit value
Control and Signal Processing	ENGI3391	20
Electrical Engineering	ENGI3371	20
Applied Mechanics III	ENGI3411	20
Thermodynamics and Fluid Mechanics	ENGI3291	20
Engineering Design	ENGI3351	20
Management and Manufacture	ENGI3421	20

Level 4 (Degree)

EITHER (Aeronautics)

9. Candidates shall study and be assessed in the following modules:

		Credit value
Aeromechanics	ENGI4231	20
Fluid Mechanics and Turbomachinery	ENGI4221	20
Applied Mechanics	ENGI4211	20

10. Candidates shall also study and be assessed in modules to the value of 60 credits from List A:

List A:		**Credit value**
MEng Research and Development Project	ENGI4093	60
MEng Technical Project	ENGI4112	40
Engineering into Schools	ENGI4321	20

OR (Civil Engineering)

11. Candidates shall study and be assessed in the following modules:

		Credit value
Applied Mechanics	ENGI4211	20
Structures, Highways and Construction	ENGI4141	20
Advanced Geotechnical Engineering and Hydrology	ENGI4151	20

12. Candidates shall also study and be assessed in modules to the value of 60 credits from List B:

List B:		**Credit value**
MEng Research and Development Project	ENGI4093	60
MEng Technical Project	ENGI4112	40
Engineering into Schools	ENGI4321	20

OR (Electronic Engineering)

13. Candidates shall study and be assessed in the following modules:

		Credit value
Digital Systems	ENGI4251	20
Microelectronics	ENGI4131	20
Communications Systems	ENGI4121	20

14. Candidates shall also study and be assessed in modules to the value of 60 credits from List C:

List C:		**Credit value**
MEng Research and Development Project	ENGI4093	60
MEng Technical Project	ENGI4112	40
Engineering into Schools	ENGI4321	20

OR (Mechanical Engineering)

15. Candidates shall study and be assessed in the following modules:

		Credit value
Applied Mechanics	ENGI4211	20
Fluid Mechanics and Turbomachinery	ENGI4221	20
Energy Markets, Low Carbon and Thermal Technologies	ENGI4281	20

16. Candidates shall also study and be assessed in modules to the value of 60 credits from List D:

List D:		**Credit value**
MEng Research and Development Project	ENGI4093	60
MEng Technical Project	ENGI4112	40
Engineering into Schools	ENGI4321	20

OR (New and Renewable Energy)

17. Candidates shall study and be assessed in the following modules:

		Credit value
Energy Conversion and Delivery	ENGI4271	20
Energy Markets, Low Carbon and Thermal Technologies	ENGI4281	20

18. Candidates shall also study and be assessed in modules to the value of 20 credits from List E:

List E:		**Credit value**
Digital Systems	ENGI4251	20
Applied Mechanics	ENGI4211	20

19. Candidates shall also study and be assessed in modules to the value of 60 credits from List F:

List F:		**Credit value**
MEng Research and Development Project	ENGI4093	60
MEng Technical Project	ENGI4112	40
Engineering into Schools	ENGI4321	20

Assessment, progression and award

20. Professional Awareness in Engineering Course (PEAC). Although not part of the formal assessment of any module, attendance at this is compulsory for professional body accreditation of the degree.

21. An exemption has been given to the Core Regulations so that students who wish to progress to Level 2 of the MEng are required to achieve an average marks of 50% across all modules excluding the free choice open module studied at Level 1, with no mark for a module below 40%. Students who fail to achieve this standard but whose marks are consistent with the requirements of the Core Regulations for progression from Level 1 to Level 2 shall be permitted to progress to Level 2 of the BEng in General Engineering in the Honours or Ordinary stream in accordance with the Core Regulations.

22. Students who fail to achieve the standard required under the Core Regulations for progression to Level 3 of an MEng but who achieve the standard required for progression to Level 3 of a Bachelors programme may progress to Level 3 of the BEng in General Engineering in the Honours or Ordinary stream in accordance with the Core Regulations.

23. A student who is qualified to progress from Level 2 to Level 3 of an MEng programme but wishes to transfer to Level 3 of the BEng in General Engineering shall be permitted to do so.

24. A student who has satisfied the requirements for progression from Level 2 to Level 3 of an MEng programme and whose language ability is satisfactory to the Board of Studies may be allowed to undertake Level 3 on an agreed student exchange scheme at an overseas university. This is subject to the availability of appropriate places at the overseas university.

25. Students whose achievement at the end of Level 3 does not qualify them to proceed to Level 4 may be awarded the degree of BSc Engineering at either Honours or Ordinary level in accordance with the Core Regulations for the award of a Bachelors degree.

26. Students who successfully complete the Electronic Engineering route at Level 3 may register for the following specialism at Level 4: Electronic Engineering.

27. Students who successfully complete the Electrical Engineering route at Level 3 may register for the following specialism at Level 4: New and Renewable Energy

28. Students who successfully complete the Mechanical Engineering route at Level 3 may register for the following specialisms at Level 4: Mechanical Engineering OR Aeronautics OR New and Renewable Energy.

29. Students who successfully complete the Civil Engineering route at Level 3 may register for the following specialism at Level 4: Civil Engineering.

30. A student whose achievement at the end of Level 4 does not qualify them to be awarded the degree of MEng may be awarded the degree of BSc Engineering at Honours level in accordance with the Core Regulations for the award of a Bachelors degree.

Professional accreditation

31. This programme is accredited on behalf of the Engineering Council for the purposes of fully meeting the academic requirement for registration as a Chartered Engineer, depending on the specialism chosen in Level 4:

    a. by the IET for students entering Level 1 up to and including October 2018 (Aeronautics, Electronic Engineering, Mechanical Engineering, New and Renewable Energy specialisms);

    b. by the IMechE for students entering Level 1 up to and including October 2018 provided a 2.2 degree classification or above is achieved (Aeronautics, Electronic Engineering, Mechanical Engineering, New and Renewable Energy specialisms);

    c. by the JBM (ICE, IStructE, IHE, CIHT) for students entering Level 1 up to and including October 2018 (Civil Engineering specialism).

    d. by the RAeS for students entering Level 1 up to and including October 2018 (Aeronautics specialism).