

These programme regulations should be read in conjunction with the University's [core regulations for undergraduate programmes](#).

MEng Design and Operations Engineering (H150) *[Final intake in October 2011]*

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
Electrical Engineering I	ENGI1101	20
Thermodynamics & Fluid Mechanics I	ENGI1111	20
Electronic Fundamentals & Manufacture	ENGI1121	20
Mathematics for Engineers and Scientists	MATH1551	20

3. Candidates shall also study and be assessed in modules to the value of 20 credits from those offered by any board of studies.

Level 2 (Diploma)

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

		Credit value
Systems Modelling and Computing	ENGI2011	20
Analytical 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 (Electrical Engineering Route)

5. 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)

6. 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)

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

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

Level 4 (Degree)

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

		Credit value
MEng Technical Project	ENGI4112	40
MEng Industrial Project	ENGI4111	20
Advanced Design and Manufacture	ENGI4201	20
Enterprise and Operations	ENGI4311	20

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

List A:		Credit value
Applied Mechanics	ENGI4211	20
Digital Systems	ENGI4251	20
Energy Conversion and Delivery	ENGI4271	20

Assessment, progression and award

10. Modules marked with a # must be passed at 40% or above in order to progress to the next Level of the degree.
11. 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.
12. 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 Engineering in the Honours or Ordinary stream in accordance with the Core Regulations.
13. 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 Engineering in the Honours or Ordinary stream in accordance with the Core Regulations.
14. 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 Engineering shall be permitted to do so.
15. 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.
16. 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.
17. Students who successfully complete the Electronic Engineering, the Electrical Engineering or the Mechanical Engineering route in Level 3 may register for Design and Operations Engineering (H150) at Level 4.
18. Students following the Civil Engineering routes in Level 3 may not register for Design and Operations Engineering (H150) at Level 4.
19. 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

20. This programme is accredited, depending on the specialism chosen in Level 4:
- a. by the IET for students entering Level 1 up to and including October 2012;
 - b. by the IMechE for students entering Level 1 up to and including October 2013 provided a 2.2 degree classification or above is achieved.