

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

**MEng Mechanical Engineering (H300)** *[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:

		<b>Credit value</b>
Applied Mechanics I	<a href="#">ENGI1091</a>	20
Electrical Engineering I	<a href="#">ENGI1101</a>	20
Thermodynamics & Fluid Mechanics I	<a href="#">ENGI1111</a>	20
Electronic Fundamentals & Manufacture	<a href="#">ENGI1121</a>	20
Mathematics for Engineers and Scientists	<a href="#">MATH1551</a>	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:

		<b>Credit value</b>
Systems Modelling and Computing	<a href="#">ENGI2011</a>	20
Analytical Methods	<a href="#">ENGI2051</a>	20
Mechanics and Materials	<a href="#">ENGI2141</a>	20
Manufacturing and Electromechanics	<a href="#">ENGI2151</a>	20
Electronics and Design	<a href="#">ENGI2161</a>	20
Thermofluids and Design	<a href="#">ENGI2171</a>	20

**Level 3 (Degree)**

5. Candidates shall study and be assessed in the following modules (Mechanical Engineering Route):

		<b>Credit value</b>
Control and Signal Processing #	<a href="#">ENGI3391</a>	20
Electrical Engineering #	<a href="#">ENGI3371</a>	20
Applied Mechanics #	<a href="#">ENGI3411</a>	20
Thermodynamics and Fluid Mechanics #	<a href="#">ENGI3291</a>	20
Engineering Design #	<a href="#">ENGI3351</a>	20
Management and Manufacture #	<a href="#">ENGI3421</a>	20

**Level 4 (Degree)**

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

		<b>Credit value</b>
MEng Research and Development Project	<a href="#">ENGI4093</a>	60
Applied Mechanics	<a href="#">ENGI4211</a>	20
Fluid Mechanics and Turbomachinery	<a href="#">ENGI4221</a>	20

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

<b>List A:</b>		<b>Credit value</b>
Advanced Design and Manufacture	<a href="#">ENGI4201</a>	20
Enterprise and Operations	<a href="#">ENGI4311</a>	20
Energy Markets, Low Carbon and Thermal Technologies	<a href="#">ENGI4281</a>	20

### **Assessment, progression and award**

8. Modules marked with a # must be passed at 40% or above in order to progress to the next Level of the degree.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. Students who successfully complete the Mechanical Engineering route in Level 3 may register for Mechanical Engineering (H300) at Level 4.
16. Students following the Electronic Engineering, Electrical Engineering or Civil Engineering routes in Level 3 may not register for Mechanical Engineering (H300) at Level 4.
17. 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**

18. This programme is accredited:
  - 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;