

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](#).

BEng General Engineering (H103), BEng General Engineering with Year Abroad (H105)

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 | ENGI1091 | 20 |
| Electromagnetism and Manufacture | ENGI1131 | 20 |
| Thermodynamics & Fluid Mechanics | 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 |
|------------------------------------|--------------------------|---------------------|
| Electronics | ENGI2181 | 20 |
| Electrical Engineering | ENGI2191 | 20 |
| Engineering Design # | ENGI2201 | 20 |
| Engineering Mathematics | ENGI2211 | 20 |
| Mechanics | ENGI2221 | 20 |
| Thermodynamics and Fluid Mechanics | ENGI2231 | 20 |

Year 3 (Year Abroad)

5. During the third year candidates shall study and be assessed in a university abroad under the ERASMUS programme or a similar exchange programme. Students who are considered by the subject Board of Examiners to have made satisfactory progress, judged by reference to each student's learning agreement, will continue to Level 3 of the BEng General Engineering with year abroad (H105) programme. Otherwise, they will transfer to the BEng General Engineering (H103) programme.

Level 3 (Degree)

EITHER (Civil Engineering Route)

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

| | | Credit value |
|-----------------------------|--------------------------|---------------------|
| Geotechnics 3 | ENGI3311 | 20 |
| Structures and Geomatics 3 | ENGI3301 | 20 |
| Environmental Engineering 3 | ENGI3341 | 20 |
| Civil Design 3 ~ | ENGI3401 | 20 |
| BEng Engineering Project ~ | ENGI3262 | 40 |

OR (Electronic Engineering Route)

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

| | | Credit value |
|---|--------------------------|---------------------|
| Electronics and Communications 3 | ENGI3451 | 20 |
| Advanced Computer Systems & Digital Electronics 3 | ENGI3461 | 20 |

| | | |
|---------------------------------|--------------------------|----|
| Control and Signal Processing 3 | ENGI3391 | 20 |
| Electrical Engineering 3 | ENGI3371 | 20 |
| BEng Engineering Project ~ | ENGI3262 | 40 |

OR (Mechanical Engineering Route)

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

| | | Credit value |
|--------------------------------------|--------------------------|---------------------|
| Electrical Engineering 3 | ENGI3371 | 20 |
| Applied Mechanics 3 | ENGI3411 | 20 |
| Thermodynamics and Fluid Mechanics 3 | ENGI3291 | 20 |
| Materials 3 | ENGI3471 | 20 |
| BEng Engineering Project ~ | ENGI3262 | 40 |

Assessment, progression and award

9. The Professional Applications in Engineering Course (PEAC) is compulsory for professional body accreditation of the degree. Therefore students who wish to progress to Level 3 of the MEng or BEng in General Engineering are required to complete this course to a satisfactory standard.
10. Modules marked with a ~ must be passed at 40% or above for the award of an honours degree. A mark of 30-39% cannot be compensated.
11. Modules marked with a # must be passed at 40% or above in order to progress to the Ordinary degree at the next Level.
12. A student who is qualified to progress from Level 2 to Level 3 of an MEng programme under the Core Regulations and wishes to transfer to Level 3 of the MEng in General Engineering shall be permitted to do so.

Year Abroad

13. Students admitted to the BEng General Engineering (H103) are able to apply to transfer to the BEng General Engineering with Year Abroad programme (H105). Students undertaking the BEng General Engineering with Year Abroad programme (H105) will undertake an approved exchange in an overseas university taking a course of study chosen in consultation with the Department's exchange coordinator or their academic adviser and the host institution.
14. Candidates wishing to transfer to the BEng General Engineering with Year Abroad (H105) must:
 - a. have successfully completed Level 1 of the BEng General Engineering (H103) and progressed to Level 2 of the honours or Ordinary programme; and
 - b. during the first term of Level 2 study, apply via the Department's exchange coordinator to the Board of Studies in the Department of Engineering to be admitted to the BEng General Engineering with Year Abroad (H105) and have their application approved by the Board of Studies; and
 - c. secure an exchange opportunity with an approved international partner institution of the University; and
 - d. successfully complete Level 2 of the BEng General Engineering so as to be eligible to progress to Level 3 of the BEng General Engineering (H103) Honours programme.
15. The marks achieved by the student during the period of study abroad will not contribute to the marks for degree classification. Students who the Board of Examiners for Engineering deem to have made satisfactory progress on the year abroad will continue to Level 3 of the BEng General Engineering with Year Abroad (H105) programme. Students who have not made satisfactory progress on the year abroad will not be permitted to continue on the BEng General Engineering with Year Abroad (H105) programme, but must instead proceed to Level 3 of the BEng General Engineering (H103) programme.

Professional accreditation

16. This programme is accredited on behalf of the Engineering Council for the purposes of fully meeting the academic requirement for registration as an Incorporated Engineer and partially meeting the academic requirement for registration as a Chartered Engineer, depending on the route chosen in Level 3:
 - a. by the IET for students entering Level 1 up to and including October 2018 (Electronic Engineering and Mechanical Engineering routes);

- b. by the IMechE for students entering Level 1 up to and including October 2018 (Electronic Engineering and Mechanical Engineering routes) provided a 2.2 degree classification or above is achieved;
- c. by the JBM (ICE, IStructE, IHE, CIHT) for students entering Level 1 up to and including October 2018 (Civil Engineering route).