Durham University

ECTS Handbook

Incoming Students

Academic year 2023/2024

Part 2

Department of Engineering

Content

A: THE DEPARTMENT 3

A1: EXCHANGE Departmental Coordinator 3

B: DEGREE PROGRAMMES OFFERED 3

B1: Degree Structure 3

C: REQUIREMENTS AND RESTRICTIONS 4

C1: General 4

D: MODULE DETAILS 5

D1: Modules available to EXCHANGE students coming on a departmental link 5

D2: Modules available to EXCHANGE students coming on an external link 5

A: THE DEPARTMENT

The Department of Engineering covers the range of engineering disciplines within a single “Department”. The majority of the 800 students studying Engineering follow a 4-year undergraduate MEng degree programme often described as “General Engineering”. This has a common first two years with progressive specialisation into streams at Level 3 and Level 4. The Department is consistently ranked among the top in the UK. In 2023 it was the number 8th ranked General Engineering programme for student satisfaction (Guardian 2023) and was top 5 in multiple discipline-specific rankings (The Complete University Guide 2023).

The Department is housed on the University's Science Site, within easy reach of the city centre and all the Durham colleges. Lectures take place within the Department and in lecture theatres across the Science Site. -

A1: EXCHANGE Departmental Coordinator

Exchanges / EXCHANGE Co-ordinator (Engineering):

Dr Yaodong Wang
Associate Professor
Department of Engineering
Durham University
South Road
Durham, DH1 3LE
England
Email: yaodong.wang@durham.ac.uk

Engineering Department Manager

Dr Charlotte Quarless
Learning and Teaching Manager
Department of Engineering
Durham University
Lower Mountjoy, South Road
Durham, DH1 3LE
Telephone: +44 (0) 191 334 1700
Work Email: charlotte.m.quarless@durham.ac.uk

B: DEGREE PROGRAMMES OFFERED

The Department offers undergraduate MEng (4 year) and BEng (3 year) programmes with the majority of students following the MEng programme.

B1: Degree Structure

All students at Durham take a total of 120 module credits in a year, these generally span across all three terms (October-June). Usually the majority of teaching takes place in terms 1 and 2 (Michaelmas and Epiphany) with exams in term 3 (Easter). Exchange students therefore need to be in Durham from October to June if they wish to complete any lecture modules.

The modules available to students studying Engineering are closely prescribed. At Level 3 students select one of the four streams (Civil, Electrical, Electronic and Mechanical) and this determines the modules that they will study. At Level 4 there are seven streams (Aeronautical, Bioengineering, Civil, Electrical, Electronics, Mechanical and Renewable Energy) with some choice of modules within some streams. Level 4 students do a major individual project which typically counts for either 40 or 60 module credits. Exchange students are not constrained on their choice of modules in the same way as Durham Engineering students however timetabling classes may limit some module combinations (note that the online timetable checker does not capture all of the scheduled activities for Engineers).

C: REQUIREMENTS AND RESTRICTIONS

This section contains important information for setting up your academic programme at Durham University. Please read through this section carefully before considering your modules and filling in the Learning Agreement!

C1: General

Choice of Modules

IMPORTANT NOTE FOR STUDENTS: PLEASE READ BEFORE COMPLETING YOUR LEARNING AGREEMENT

At Durham University Exchange agreements are signed by individual university departments and are not university-wide agreements. This means that, in general, students will have to choose modules (courses) within the Durham University department through which the Exchange agreement with their home university has been signed (students should check with the Exchange Coordinator in their university if they are not sure which department this is). Students studying Engineering at Durham will not generally be able to take modules from outside of the standard streams (ie: from other departments) due to timetable constraints.

Please note:

i. Due to limitations within the Department the following modules are not available to incoming exchange students: ENGI 2201 Engineering Design 2 and ENGI 3351 Engineering Design 3.

ii. To enable allocation of an appropriately qualified Project Supervisor, incoming exchange students wishing to undertake an individual Research and Development Project (e.g. ENGI 3262 BEng Engineering Project, ENGI 4093 MEng Research & Development Project, ENGI 4112 MEng Technical Report) are required to contact engineering.landt@durham.ac.uk providing a detailed draft research proposal by no later than **30 June 2023**. Students undertaking an individual Research and Development Project will work under the direction of a member of academic staff, often within one of the Department's research laboratories.

Please clearly indicate the modules you wish to take on your Learning Agreement (included in your application package) for approval by the respective department(s). Before completing your Learning Agreement, it is very important that you read carefully the relevant departmental section(s) of the ECTS Handbook to check which modules are available to you and any restrictions which may apply. It is imperative that a properly completed Learning Agreement is submitted as part of the application form. Only complete applications can be processed.

Section *D: Module Details* provides a list of modules available for Exchange students in the department. Please choose from these modules only!

D: MODULE DETAILS

At Level 3, modules are available across four streams:

Civil
Electrical
Electronic
Mechanical

At Level 3 single modules equate to 20 module credits, this is equivalent to 10 ECTS credits. Modules will often contain multiple (most often 2) lecture courses, assessments typically takes place via a combination of exam and coursework.

The ENGI 3262 BEng Engineering Project module equates to 40 module credits, this is equivalent to 20 ECTS credits.

At Level 4, modules are available across seven streams:

Aeronautical
Bioengineering
Civil

Electrical
Electronic
Mechanical
Renewable Energy

At Level 4 single modules equate to 10 module credits, this is equivalent to 5 ECTS credits. Some modules will contain multiple (most often 2) lecture courses, others comprise a single lecture course. Assessments for these modules is either by coursework or exam.

The ENGI 4112 MEng Engineering Technical Project module equates to 40 module credits, this is equivalent to 20 ECTS credits. The ENGI 4093 MEng Research and Development Project module equates to 60 module credits, this is equivalent to 30 ECTS credits.

More detailed information, including links to individual modules, is available online in the Faculty Handbook:

MEng:
https://www.dur.ac.uk/resources/faculty.handbook/degrees/frameworks/h100.pdf

BEng:
https://www.dur.ac.uk/resources/faculty.handbook/degrees/frameworks/h103.pdf

D1 Modules available to EXCHANGE students coming on a departmental link

See information above.

D2 Modules available to EXCHANGE students coming on an external link (through a different department)

It is unusual for non-engineering students to take modules from within Engineering as this is not normally practical within the timetable. To note, all Engineering modules require prior learning of Engineering concepts and principles. Students from other programmes wishing to take Engineering modules are advised to contact engineering.landt@durham.ac.uk in advance of making their module selections.