

UCL Academic Manual 2024-25

Chapter 5: Research Degrees Framework

Part C: Doctor in Engineering (EngD) Additional Regulations

These are additional regulations for EngD programmes. EngD students should also refer to:
Chapter 5, Part A: Research Degree Regulations

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1 EngD in Biochemical Engineering and Bioprocess Leadership

1.1 Standard Entrance Qualifications

1. The normal minimum entrance qualifications for registration for the degree of Doctor in Engineering in the field of Biochemical Engineering and Bioprocess Leadership is the award of a first or an upper second class Honours degree or equivalent overseas qualification in biological sciences, chemistry, chemical engineering, biochemical engineering, biotechnology, mechanical engineering, electronics and electrical engineering or any related discipline.
2. Relevant postgraduate or industrial experience (especially as gained in the Bioprocessing industry) may be acceptable where the first degree is a lower second-class Honours degree or equivalent overseas qualification.

MRes Progression to the EngD

3. Students holding the MRes in Bioprocessing from UCL will be exempted from the first year of the EngD programme. Students holding an MRes or an equivalent qualification from an external institute may be admitted up to a year after the commencement of the taught element of the EngD programme and be exempted from part or the entire taught element of

1.2 Duration of Programme of Study

1. Full-time: four calendar years or three calendar years for students holding the MRes ([Chapter 5, Part A, Section 1.3: MRes Progression to the EngD](#)).

1.3 Curriculum

1. The programme of study for the degree of Doctor in Engineering in the field of Biochemical Engineering and Bioprocess Leadership includes formally taught elements which provide academic underpinning for the research undertaken. Candidates are required to complete modules from each of three main elements and undertake substantial research work resulting in a thesis and will be given an oral examination in accordance with [Chapter 5, Part A, Section 5: Final Examination](#).

Further guidance

- i) Students who have progressed from an MRes to the EngD are not required to take the year one formally taught elements.

Formally Taught Elements (four-year EngD students)

2. The formal taught part of the EngD programme is comprised of four elements which provide (i) the underlying fundamental skills for research studies in bioprocessing and biochemical engineering (ii) the methodology for the translation of such skills into real engineering outcomes (iii) skills underlying the management and delivery of a research programme and (iv) evidence of original research via submission of research thesis. They must have passed

6. Students who register on the EngD and are unable to fulfil the requirements of the EngD will be awarded the MRes degree provided that they have satisfied the requirements of the MRes degree.

