UCL Academic Manual
2023-24

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 modules to a minimum value of 120 credits in order to quality for submission of the thesis. The modules passed in order to qualify for submission of the thesis must include modules to prescribed credit values taken from each of the three elements (i)-(iii). Normally, students registered on the EngD will have satisfied the requirements for the MRes in the first year of the EngD programme. However, there may be instances where the full requirements are not satisfied until later in the programme. Provided that all the requirements are satisfied by the time they exit the programme, such students may be awarded the MRes if they should then fail to meet the requirements of the EngD.

   Thesis

3. The thesis shall be submitted in accordance with Chapter 5, Part A, Section 5: Final Examination.

1.4 Assessment and Final Examination

1. Assessments qualifying a candidate for submission of a thesis shall take place within the period of the overall programme and shall be by written examination or coursework, as prescribed for each individual module.
2. All assessments will be overseen by an examiner external to UCL. A candidate failing any assessment (whether by written paper or by coursework) will be permitted to re-enter the examination for the module in question on one occasion only.
3. The award of the degree shall be depen9.864 378.89 Tm8(he)14( )-4(de)3(gre14(n 5:)5( )-4(F

2 EngD in Communications

2.1 Standard Entrance Qualifications

1. The normal minimum entrance qualifications for registration for the degree of Doctor in Engineering in the field of Communications is the award of a first or an upper second class Honours degree or equivalent overseas qualification in a relevant discipline, e.g. electronic engineering, electrical engineering, communications engineering, computer science, physics,

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.

First-Year Elements (four-year students)

2.

3 EngD in Environmental Engineering Science (ENVES)

3.1 Entry Requirements

1.

First-Year Elements

4. Candidates are normally required in the first year to follow a programme of taught courses, professional and research training, group project work, and research, structured as three components:
   a) the underlying technical knowledge and skills needed for research in the field of study;

academic underpinning for the research undertaken. Candidates are required in the first year normally to complete taught elements, a research and transferable skills programme, a group

requirements as those prescribed in Chapter 5: Assessment Framework for Research Programmes.

4.