UCL Academic Manual 2016-17
Chapter 8: Derogations and Variations

Doctor in Engineering (EngD)
Additional Regulations

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The following regulations apply to students enrolled on Doctor of Engineering programmes at UCL **in addition to** the main Research Degrees regulations detailed in the UCL Academic Manual and in particular in Chapter 1: Admissions, Registration and Student Conduct and Chapter

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 the MRes programme with the permission of the Programme Director.

4. A student holding an MRes or an equivalent qualification from an external institute, who has been exempted from part or the entire taught element of the MRes programme, cannot then be awarded the MRes if they withdraw from or fail the EngD.

Further guidance

1. For automatic progression from MRes to PhD/EngD, students should achieve an average mark of not less than 60% in the independent, original research components of the programme, and not less than 50% in the taught elements.

   i) This regulation relates to automatic progression from MRes to MPhil/PhD or EngD programmes.

to register on the EngD if they passed. If, as a result, they missed taught components which formed part of the EngD registration, these should be followed at the point when they are next available.

1.2 Duration of Programme of Study

1. Full-time: four calendar years or three calendar years for students holding the MRes (Chapter 1, Section 2.3: 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

Thesis

3.   The thesis shall be submitted in accordance with the Chapter 5: Assessment Framework for Research Programmes.

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 dependent on

1.5 Dates of Assessment and Final Examination

1. Modules for the taught part of the programme for four year EngD students will be assessed by the methods and at the dates indicated for the module in question.

2. Submission of the thesis shall be by the end of the final year of the programme or normally within a calendar year of the date of completion of the programme of study.

2 Doctor in Engineering (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, mathematics. Industrial or postgraduate experience may be taken into consideration where the first degree is a lower second class Honours degree or equivalent overseas qualification.

MRes Progression to the EngD

2. Students holding the MRes in Telecommunications or with equivalent qualification/experience may be admitted up to a year after the commencement of the taught programme and be exempted from part or all of the taught programme with the permission of the Programme Director.

Further guidance

1. For automatic progression from MRes to PhD/EngD, students should achieve an average mark of not less than 60% in the independent, original research components of the programme, and not less than 50% in the taught elements.

    i) This regulation relates to automatic progression from MRes to MPhil/PhD or EngD programmes.

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.   Candidates are normally required in the first year to follow a programme of taught courses and research appropriate to the MRes in Telecommunications. There are three elements: (i) technical taught course components, (ii) generic and transferable skills elements and (iii) research work. Students must have completed all three elements to the satisfaction of the examiners in order to progress beyond the first year of the programme.

Taught/Training Elements

3.   Candidates are normally required to complete three taught/training modules per year covering technical and more general professional development according to individual development needs' assessment of IEE Training Accreditation arrangements. Of these at least one module each year must normally be technical in nature and one concerned with personal/business skills.

4.   Students must have completed and attained a suitable standard in the taught/training elements and have demonstrated that they have achieved a satisfactory standard in the research part of the programme in order to qualify for submission of the thesis.

Thesis

5.   The thesis shall be submitted in accordance with Chapter 5: Assessment Framework for Research Programmes.

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the oral examination. The thesis must meet the same requirements as those prescribed in Chapter 5: Assessment Framework for Research Programmes.

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3.3   Curriculum

1.   The specific taught courses to be taken by each of the Research Engineers will be decided in consultation with the industrial sponsors. The aim is to equip the research engineers with management, technical, design and problem solving skills.

   i)   Admission to the programme may be at any time during the academic year which may mean that some compulsory courses will not be taken until the 2nd year, depending on start date.

   ii)   Candidates are required in the first year normally to complete taught elements, a research and transferable skills programme, a group project, and to complete a written report on research work. In the second year, candidates must complete a further research report and, in the second and subsequent years candidates mub

a) the underlying technical knowledge and skills needed for research in the field of study;

b) the generic research, professional and transferable skills required for the translation of such skills into scientific and engineering outcomes and for the management and delivery of a research programme, and

c) research work. In order to progress beyond the first year of the EngD programme, normally candidates must successfully complete respectively: (i) an environmental integrated design

by coursework) will be permitted to re-enter the examinations for the course or module in question on one occasion only.

3. The award of the degree shall be dependent on the thesis, which a candidate may not submit until he/she has successfully completed all the other elements of the programme as detailed above, and dependent on the final oral examination. The thesis must meet the same requirements as those prescribed in Chapter 5: Assessment Framework for Research Programmes.

4. The final oral examination shall be conducted by at least two examiners, at least one of whom shall be external to UCL. The examination will be designed to test the thesis against the criteria above and will further examine the can
understanding of the integration of all elements of the programme and their related assessment.

Dates of Assessment and Final Examination

1. Modules for the taught part of the programme will be assessed by the methods and at the dates indicated for the module in question.

2. Submission of the thesis shall be by the end of the final year of the programme or within a calendar year of the date of completion of the programme of study.

4 Doctor in Engineering (EngD) in Virtual Environments Imaging and Visualisation (VEIV)

4.1 Standard Entrance Qualifications

1. The normal minimum entrance qualification for registration for the degree of Doctor in Engineering in the field of Virtual Environments, Imaging and Visualisation is the award of a first or upper second class Honours degree or equivalent overseas qualification in a relevant discipline such as: computer science, architecture, engineering (electronic, electrical, mechanical, civil, etc.), physical sciences (physics, chemistry, astronomy, etc.), mathematics or any related discipline. Overseas candidates must also hold an appropriate qualification in English for speakers of other languages. Relevant postgraduate or industrial experience

4.2   Duration of Programme of Study

1.   Full-time: four calendar years or three calendar years for students holding the MRes (see Chapter 1, Section 2.3: MRes Progression to the EngD).

4.3   Curriculum

1.   The programme of study for the degree of Doctor in Engineering in the field of Virtual Environments, Imaging and Visualisation includes formally taught elements which provide academic underpinning for the research undertaken. Candidates are required in the first year normally to complete taught elements, a research

Second-Year Elements

3.   Candidates are normally required to complete one or two
        additional half-unit taught postgraduate courses or equivalent
        modules, to complete a second research report of not less than
        10,000 and not more than 25,000 words and presentation, and to
        undergo a preliminary oral examination on their research work.

Taught Courses and Training Elements

4.   In subsequent years, candidates must normally complete further
        approved postgraduate courses or modules so that at least ten
        such half-unit courses or equivalent modules are completed during
        the four-years of the EngD programme. They should normally, in
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5. Candidates who are unable to fulfil the requirements of the EngD will, on the recommendation of the VEIV Board of Examiners, be awarded either a VEIV MSc or a VEIV MRes degree provided that they have satisfied the requirements of these degrees. Candidates may not hold both awards.

6. Candidates, other than those holding the MRes in Computer Vision, Image Processing, Graphics and Simulation, who fail the thesis or final oral examination for the EngD and fail on resubmission or re-examination of the final oral, may be awarded an MRes subject to the requirements for the VEIV MRes being met. Such an award would be at the recommendation of the VEIV Board of Examiners, not of the examiners of the thesis.

4.5 Dates of Assessment and Final Examination

1. Modules for the taught part of the programme (for four year students) will be assessed by the methods and at the dates indicated for the module in question.

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