Medical Physics and Biomedical Engineering MRes /

The Medical Physics and Biomedical Engineering MRes provides structured training in this diverse and multidisciplinary field and students may subsequently progress to an MPhil/PhD as part of a Doctoral Training Programme.

**Degree summary**

The programme covers all forms of ionising and non-ionising radiation commonly used in medicine and applies it to the areas of imaging and treatment. The programme involves Master's-level modules chosen from a wide range offered by the department and a research project. Good performance in the MRes will lead to entry into the second year of the Doctoral Training Programme where the research project is continued.

UCL Medical Physics & Biomedical Engineering is one of the largest medical physics and bioengineering departments in Europe, with links to a large number of active teaching hospitals. We have arguably the widest range of research of any similar department, and work closely with other world-leading institutions.

Students on the programme will form part of an interactive network of researchers across many disciplines and will benefit from the strengths of UCL in the healthcare field.

**Degree structure**

Mode: Full-time: 1 year; Part-time: 2 years
Location: London, Bloomsbury

Students undertake modules to the value of 180 credits. The programme consists of four optional modules and a research project.

**CORE MODULES**

- There are no core modules for this programme.

**OPTIONAL MODULES**

- Students choose four optional modules from the following:
  - Ionising Radiation Physics: Interactions and Dosimetry
  - Medical Imaging
  - Clinical Practice
  - Treatment with Ionising Radiation
  - Medical Electronics and Control
  - Bioengineering
  - Optics in Medicine
  - Computing in Medicine
  - Medical Devices and Applications
  - Foundations and Anatomy and Scientific Computing
  - Image Processing
  - Computational Modelling in Biomedical Imaging
  - Programming Foundations for Medical Image Analysis
  - Information Processing in Medical Imaging

**DISSERTATION/REPORT**

- All students undertake a research project.
Your career

Our graduates typically find work in academia, the NHS, and in industry
Entry requirements

A minimum of an upper second-class Bachelor's degree in a relevant discipline from a UK university, or an overseas qualification of an equivalent standard.

English language proficiency level

If your education has not been conducted in the English language, you will be expected to demonstrate evidence of an adequate level of English proficiency.

The level of English language proficiency for this programme is: Standard.

Information about the evidence required, acceptable qualifications and test providers is provided at: www.ucl.ac.uk/graduate/english-requirements

Your application

Students are advised to apply as early as possible due to competition for places. Those applying for scholarship funding (particularly overseas applicants) should take note of application deadlines.

When we assess your application we would like to learn:

// why you want to study Medical Physics and Biomedical Engineering at graduate level
// why you want to study Medical Physics and Biomedical Engineering at UCL
// what particularly attracts you to this programme
// how your personal, academic and professional background meets the demands of a challenging programme
// where you would like to go professionally with your degree

Together with essential academic requirements, the personal statement is your opportunity to illustrate whether your reasons for applying to this programme match what the programme will deliver.

FEES AND FUNDING 2017/18 ENTRY

// UK: £4,915 (FT), £2,620 (PT)
// EU: £4,915 (FT), £2,620 (PT)
// Overseas: £23,050 (FT), £11,800 (PT)

The tuition fees shown are for the year indicated above. Fees for subsequent years may increase or otherwise vary. Further information on fee status, fee increases and the fee schedule can be viewed on the UCL Current Students website.

Full details of funding opportunities can be found on the UCL Scholarships website: www.ucl.ac.uk/scholarships

APPLICATION DEADLINE

All applicants: 28 July 2017

Details on how to apply are available on the website at: www.ucl.ac.uk/graduate/apply

CONTACT

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EU referendum

For up-to-date information relating to specific key questions following the UK’s decision to leave the EU, please refer to www.ucl.ac.uk/eu-referendum