LONDON'S GLOBAL UNIVERSITY

UCL

SENSORY SYSTEMS, TECHNOLOGIES AND THERAPIES MRes /
2016/17 ENTRY

www.ucl.ac.uk/graduate/ear

Sensory Systems, Technologies and Therapies MRes /

The Sensory Systems, Technologies and Therapies MRes is designed to produce "scientists with an edge"; researchers capable of working at the interface between scientific disciplines and trained to understand the clinical and commercial as well as scientific issues surrounding development of technologies and therapies for disorders of sensory systems.

Degree summary

Through a major year-long research project and supplemental coursework, students will learn to conduct cutting-edge research aimed at understanding fundamental principles of sensory systems function and/or developing novel technologies and therapies for sensory systems of dysfunction.

// UCL is among the world's top universities for biomedical research, with particular strength in neuroscience, sensory systems research, and translational studies. Students taking the Sensory Systems, Technologies and Therapies MRes will be based at the UCL Ear Institute, an internationally recognised centre for auditory research, and will also take core modules at the UCL Institute of Ophthalmology, one of the world's major centres for vision research.

// MRes students will have access to potential research supervisors from across all UCL, and will benefit from interaction with students on the Sensory Systems, Technologies and Therapies MPhil/PhD introduced in 2014. The Sensory Systems, Technologies and Therapies MRes will therefore provide students with outstanding opportunities to learn from and network with scientists, engineers, clinicians and students throughout the UCL community.

The programme is delivered through a combination of lectures, tutorials, practicals, seminars, workshops, journal clubs, and an extended research project. Assessment is through coursework, oral presentations, essays, practicals, unseen written examinations, and research dissertation.

Degree structure

Mode: Full-time: 1 year

Students undertake modules to the value of 180 credits. The programme consists of three core modules (45 credits), one optional module (15 credits) and a research project with dissertation/report (120 credits).

CORE MODULES

// Introduction to Sensory Systems, Technologies & Therapies

// Research in Practice

// Translating Science into the Clinic

OPTIONS

// One optional module can be chosen from a group of appropriate modules currently offered at the UCL Ear Institute or at the UCL Institute of Ophthalmology, to provide more in-depth knowledge and understanding of particular issues in sensory systems research. Examples include:

// Anatomy and Physiology of the Audiovestibular System

// Auditory Biophysics and Electroacoustics

// Ocular Cell Biology, Genetics and Epidemiology of Ocular Disease

// Ocular Development in Health and Disease

// Visual Neuroscience

// Students may choose alternative modules from within UCL with prior approval of the Programme Director, provided that the optional module aligns with the topic of the extended research project.

DISSERTATION/REPORT

// All students undertake a year-long independent research project which culminates in a dissertation of 15,000 words.
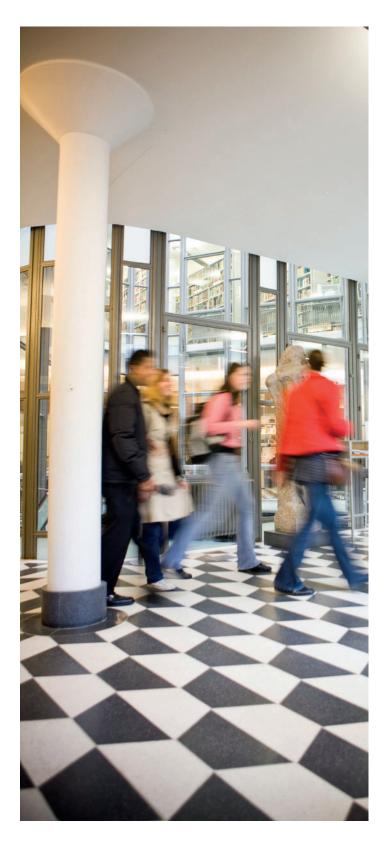
Your career

The Sensory Systems, Technologies and Therapies MRes was devised in consultation not only with academic scientists pursuing cutting-edge research in sensory systems and therapies, but also with representatives from industries interested in developing new treatments for sensory disorders. The programme has therefore been designed with the intention of ensuring that successful graduates will be attractive candidates either for further PhD research or for jobs in the commercial sector (for example, in companies developing or marketing novel treatments for visual impairment or hearing loss).

Employability

Students will graduate with interdisciplinary training in sensory systems science; a good understanding of the clinical and commercial context for development of sensory systems technologies and therapies; and substantive experience with a cutting-edge research project.

Entry requirements

A minimum of an upper second-class Bachelor's degree from a UK university or an overseas qualification of an equivalent standard. Overseas students need to provide evidence of proficiency in the English language, e.g. an IELTS qualification (overall grade of 7.0 with a minimum of 6.5 in each of the subtests).

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: **Good**.

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

Your application

The deadline for all applicants is 29 July 2016.

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 access your application we would like to learn:

// why you want to study Sensory Systems, Technologies and Therapies at graduate level

// why you want to study at UCL

// what particularly attracts you to the chosen programme

// how your academic and professional background meets the demands of this 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.

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

FEES AND FUNDING

// UK & EU (2016/17) entry: £12,840 (FT)

// Overseas (2016/17) entry: £24,400 (FT)

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

APPLICATION DATE

All applicants: 29 July 2016

CONTACT

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Information correct at time of going to press. See website (www.ucl.ac.uk/ear) for latest information