This MRes is an innovative research-led programme which brings together expertise from across the Faculty of Brain Sciences and offers you the opportunity to work and train with leading researchers at one of the most highly regarded centres of excellence in brain science in the world.

**Degree summary**

Students will gain an understanding of the human brain and its disorders from the molecular to systems level that will reflect the interdisciplinary breadth of cutting-edge research in brain sciences conducted at UCL. Students will gain theoretical and practical knowledge of core personal and professional skills that underpin excellence in research.

This comprehensive programme will provide core knowledge and skills, and ensure that prospective PhD candidates are thoroughly acquainted with the background as well as with the expanding scope of the field.

The unique curriculum will develop knowledge and insight into the broad and interdisciplinary scope of brain science through practical experience and exposure to contemporary topics in brain sciences research delivered through a series of innovative masterclasses led by internationally renowned researchers at UCL.

With an empirical research project encompassing two-thirds of the programme, quantitative and qualitative tools for research will be developed including core skills in the implementation, management and dissemination of research.

The programme is delivered through a combination of lectures, seminars, independent study, journal clubs, independent and collaborative problem-based tasks, practical demonstrations and classes, computational work, and a supervised empirical research project. Assessment is through online tasks, unseen written examinations, essays, oral presentations, research-based tasks and a primary research article.

**Degree structure**

**Mode:** Full-time: 1 year

**Location:** London, Bloomsbury

Students undertake modules to the value of 180 credits. The programme has three pathways: core modules (45 credits), one optional module (15 credits) and a research project (120 credits). Sensory systems, Technologies & Therapies pathway: core modules (60 credits) and a research project (120 credits). Vision Research Pathway: core modules (60 credits) and a research project (120 credits).

Please note that the list of modules given here is indicative. This information is published a long time in advance of enrolment and module content and availability is subject to change.

**COMPULSORY MODULES**

| MRes Brain Sciences students take the following compulsory modules |
| Research Methods and Statistics - all MRes Brain Sciences students |
| Biosciences Research Skills OR Research in Practice - all MRes Brain Sciences students |
| MRes Brain Sciences Research Project - all MRes Brain Sciences students |
| Contemporary Topics in Brain Science Research (students NOT taking the Sensory Systems, Technologies & Therapies or Vision Research pathways) |
| Sensory Systems, Biology & Disease (students taking the Sensory Systems, Technologies & Therapies pathway) |
| Ocular Cell Biology (students taking the Vision Research pathway) |
| Genetics & Epidemiology of Ocular Disease (students taking the Vision Research pathway) |
| Ocular Development in Health & Disease (students taking the Vision Research pathway) |
| students taking the Vision Research Pathway must take Two of the three compulsory modules named for this pathway |

**OPTIONAL MODULES**

Students not taking the sensory systems, Technologies & Therapies pathway, or the Vision Research pathway, choose one of the following 15-credit optional modules:

| Introduction to the Brain and Imaging the Brain |
| Structure & Function of the Brain |
| Introduction to Cognitive Science |
| Principles of Cognition |
| Molecular Pharmacology |
| Developmental Neurobiology |
| Receptors and Synaptic Signalling |
| Current Research in Dementia |
| Neuroscience of Mental Health |

**DISSERTATION/RESEARCH PROJECT**

All students undertake an independent research project which culminates in a dissertation in the form of a journal article and an oral examination.
Your career

This programme will prepare students for research careers in academia, industry or business, nationally or internationally.

Employability

The programme provides a broad understanding of brain sciences. The aim is to give students the best chance of obtaining a place on a relevant PhD programme. In addition the programme includes taught elements that will enhance employability. Transferable skills include statistical training, communication skills and training in research ethics and governance.
Entry requirements

Normally a minimum of an upper second-class Bachelor of Science degree from a UK university in an appropriate scientific discipline (e.g. neuroscience, cognitive science, biological and biomedical science, medicine, anatomy, physiology, psychology, computer science) or an overseas qualification of an equivalent standard. Preference will be given to applicants who have both core knowledge of direct relevance to the MRes programme and relevant expertise and skills in empirical research.

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

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 Brain Sciences at graduate level
- why you want to study Brain Sciences at UCL
- what particularly attracts you to this programme
- how your academic and professional background meets the demands of this 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 2019/20 ENTRY

UK: £14,040 (FT)
EU: £14,040 (FT)
Overseas: £27,040 (FT)

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 Students website.

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

APPLICATION DEADLINE

All applicants: 26 July 2019

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/brexit

This information is for guidance only. It should not be construed as advice nor relied upon and does not form part of any contract. For more information on UCL’s degree programmes please see the UCL Graduate Prospectus at www.ucl.ac.uk/graduate