

### What is the structure of the course?

The programme combines classroom teaching, individual study, supervised practical work, individual and group academic supervision and written assignments.

The course is composed of the following five modules:

- ▶ Introduction to Neuroimaging
- ▶ Neuroimaging Acquisition & Analysis
- ▶ Applications of Neuroimaging
- ▶ Practical Neuroimaging
- ▶ Dissertation / Project

### Is this course for me?

This course is aimed at applicants from a wide variety of backgrounds seeking a grounding in neuroimaging.

### Find out more

**Mode & duration** - One year full time.  
September to September.

**Entry requirements** - Degree in biomedical or related sciences, medicine, professions allied to medicine, psychology, neuroscience, physics, engineering, computer science, mathematics or in another scientific subject.

A minimum 2:1 degree (or overseas qualification of equivalent standard) will be required.

### English language requirements

IELTS 7.0; TOEFL 250/600/100  
(computer/paper/internet)

**Funding Opportunities** - Bursaries towards the value of Home/EU Fees are available for selected students.

For available country-specific studentships please consult:  
[www.kcl.ac.uk/graduate/funding/database](http://www.kcl.ac.uk/graduate/funding/database)

**How do you apply or find out more?** Apply online at: <https://myapplication.kcl.ac.uk>  
For more information consult the programme website at:

**<http://msc-neuroimaging.com>**

If you have any questions please email:  
**[msc-neuroimaging@kcl.ac.uk](mailto:msc-neuroimaging@kcl.ac.uk)**

**Institute of  
Psychiatry**

at The Maudsley

**KING'S**  
*College*  
**LONDON**

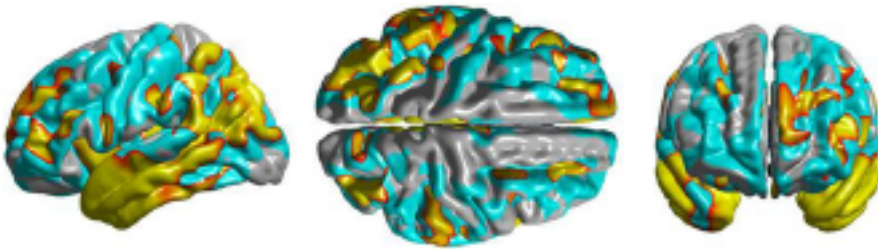


# MSc in Neuroimaging

## Why study Neuroimaging at the IoP?

King's College London's Institute of Psychiatry (IoP) is one of the world's largest and best known postgraduate teaching and research centres for studying the brain in health and illness. It is devoted entirely to the study and practice of neuroscience, neuroimaging, psychiatry and psychology. The Institute enjoys a vibrant student community based in one of the leading cities for arts, culture and science, and offers access to first-class resources.

King's College London, which is amongst the top 25 leading universities worldwide (QS World University Rankings, 2010) and the fourth oldest in England, was voted The Sunday Times 'University of the Year 2010/11'. A hallmark of postgraduate study at King's is the opportunity for you to collaborate closely with internationally renowned academics on research, current issues and debates.

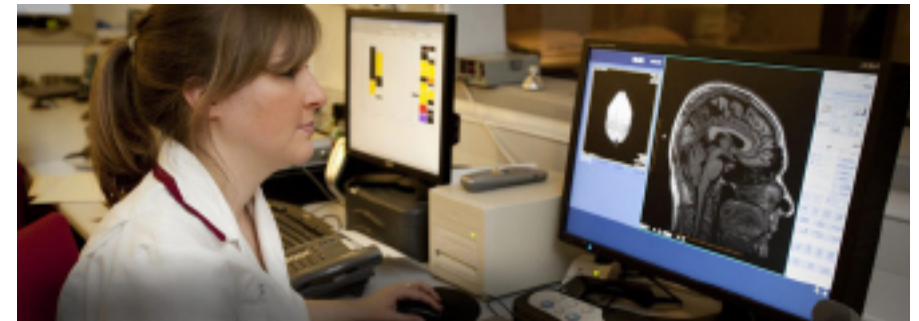


Neuroimaging is one of the most successful research disciplines at the IoP. We promote an interdisciplinary research environment with a cutting edge combination of clinical expertise, application-oriented brain imaging and analysis for the definition, diagnosis and treatment of neurological and psychiatric disorders. We have pioneered work in functional MRI, diffusion tensor imaging, pharmacological MRI, EEG and advanced image analysis techniques.

Our MSc course is hosted in the state-of-the-art Centre for Neuroimaging Sciences (CNS), with direct access to five MR scanners (one 1.5 T, three 3 T and one preclinical 7 T). We also have strong partnerships with sister hospitals, industry and other research centres hosting complementary technologies such as PET, CT and ultrasound.

## Why should I choose this course?

This course will provide you with comprehensive training in the science and methodology of neuroimaging techniques in tandem with their application to neuroscience, psychology, psychiatry, neurology and beyond. All lectures are given by experts in their field, providing students with in-depth knowledge across the spectrum of neuroimaging specialisms.



Our course is unique because, in addition to students benefiting from our international reputation as a centre of excellence, we are affiliated to the network of South London Hospital Trusts, enabling us to study rich and varied clinical populations.

In addition to standard teaching approaches, the course has a strong practical and experiential element, with an extensive series of hands-on sessions, which will allow students to fully understand and immerse themselves in the day-to-day work of the various disciplines involved in neuroimaging. The course also includes visits to other centres providing MEG and NIRS amongst other imaging techniques.

By covering all aspects of neuroimaging, from imaging physics to the study of rare patient populations, with a strong focus on the practicalities of running a scanning session, analysing and interpreting data, our goal is to provide you with a broad set of skills to help you to thrive in your ensuing career choices, whatever your original scientific background. Students who complete an MSc at King's have excellent employment prospects; we rank in the top five Universities in the UK for employability. Students may also wish to take their interest in neuroimaging further by studying for a PhD.