Neuroscience is an exciting and emerging discipline, which seeks to understand the most complex organ in the body – the brain. Neuroscience is a modern, multidisciplinary subject. As such, it draws together knowledge and expertise from many areas of science, from molecular biology to the psychological study of the mind.

This innovative qualification from King’s College London is 100% online and taught part time over two years, so students can balance study alongside work and life commitments. This postgraduate course will allow you to apply your neuroscience knowledge to real world settings.

From the research lab to marketing, the application of neuroscience has the potential to deepen your understanding of how the nervous system serves to drive our every thought, sensation and emotion.

The Institute of Psychiatry, Psychology and Neuroscience (IoPPN) is one of the leading providers of neuroscience education in the UK, and Europe’s largest centre for research and postgraduate education in psychiatry, psychology and basic and clinical neuroscience.

Our research centres are at the international forefront of this field and we are world renowned for the high quality of our research.

The 100% online Applied Neuroscience Postgraduate Diploma and MSc course allows you to benefit from an innovative and contemporary curriculum, while learning from our world-leading scientists.

**Key benefits**

- The IoPPN at King’s is Europe’s largest centre for research and postgraduate education in psychiatry, psychology and basic and clinical neuroscience.
- The Faculty is based on the same site as the world-famous Maudsley Hospital, which ensures that we remain at the forefront of research and healthcare delivery.
- 100% of our research impact and research environment has been rated world-leading in the 2014 Research Excellence Framework.
- You benefit from close instructor interaction and collaboration with other students from everywhere in the world.

- Six entry points throughout the year, 100% online and taught part-time over two years, so you can balance study alongside work and life commitments.
- All you need is a computer and an internet connection.
- Achieve a Postgraduate Diploma in 16 months, and an MSc in two years.
- You benefit from close instructor interaction and collaboration with other students from everywhere in the world.
Course details

The Applied Neuroscience course provides a comprehensive and integrated exploration of our current understanding of the neuroscientific field, and will provide opportunities for students to develop specific interests in the applied neuroscience areas of psychiatric and neurodegenerative diseases, neuroimaging and how neuroscience can impact society.

This 100% online neuroscience course draws upon the wealth of research, education and clinical expertise and experience across the world-renowned IoPPN. From this course you will:

- Gain a solid foundation of concepts and theories underpinning our current understanding of the neuroscientific and psychological foundations of mental health.
- Explore basic neuroscience techniques, and how they are used to study disease mechanisms and help improve treatments.
- Gain an understanding of how the brain develops, how it works and how this can relate to mental health problems by studying anatomy, wiring and the cellular makeup of the brain.
- Learn about the latest, cutting edge neuroscientific research being carried out at the IoPPN.
- Explore the psychological and neuroscientific basis of key mental health diagnoses.
- Develop an understanding of how studies on genes and proteins through to cells and neural networks can be used to understand the mechanisms underpinning neurodevelopmental and neuropsychiatric diseases.
- Understand how technological advances and cross-disciplinary expertise can enhance our understanding of brain function and aid treatment development.
- Get an insight into the ways neuroscience impacts social problems and behaviours.
- Acquire an advanced understanding of the scientific method in designing, developing and conducting academic research enabling the development of specialised research knowledge.
- Select two 15-credit optional modules depending on your area of interest.

Teaching

The following tables will give you an idea of what a typical academic year might look like as you progress through your studies. Typically, one credit equates to 10 hours of work.

Applied Neuroscience MSc / PgDip

<table>
<thead>
<tr>
<th>Module</th>
<th>Lectures (hours)</th>
<th>Seminars/tutorials / supervised learning (hours)</th>
<th>Self-study time (hours)**</th>
<th>Total (hours)</th>
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<tbody>
<tr>
<td>Biological Foundations of Mental Health</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
<td>150</td>
</tr>
<tr>
<td>Techniques in Neuroscience</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
<td>150</td>
</tr>
<tr>
<td>Psychological Foundations of Mental Health</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
<td>150</td>
</tr>
<tr>
<td>Mental Health in the Community</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
<td>150</td>
</tr>
<tr>
<td>Contemporary Advances in Neuroscience</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
<td>150</td>
</tr>
<tr>
<td>Neurodevelopmental Disorders: From Bench to Bedside</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
<td>150</td>
</tr>
<tr>
<td>Research Skills: Research Integrity &amp; Ethics</td>
<td>6</td>
<td>20</td>
<td>124</td>
<td>150</td>
</tr>
<tr>
<td>Research Skills: Reviewing &amp; Critical Analysis</td>
<td>6</td>
<td>20</td>
<td>124</td>
<td>150</td>
</tr>
<tr>
<td>Research Skills: Methods &amp; Procedures</td>
<td>6</td>
<td>20</td>
<td>124</td>
<td>150</td>
</tr>
<tr>
<td>Research Skills: Analysis and Reporting</td>
<td>6</td>
<td>20</td>
<td>124</td>
<td>150</td>
</tr>
<tr>
<td>Optional modules</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Social, Genetic &amp; Environmental Foundations of Mental Health</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
<td>150</td>
</tr>
<tr>
<td>Psychology &amp; Neuroscience of Affective Disorders</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
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<tr>
<td>Psychology &amp; Neuroscience of Psychosis</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
<td>150</td>
</tr>
<tr>
<td>Pharmacotherapy in Mental Health</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
<td>150</td>
</tr>
<tr>
<td>Neuroimaging in Mental Health</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
<td>150</td>
</tr>
<tr>
<td>Neuroscience in Society</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
<td>150</td>
</tr>
<tr>
<td>Psychology &amp; Neuroscience of Addiction*</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
<td>150</td>
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<tr>
<td>Child &amp; Adolescent Mental Health: child development*</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
<td>150</td>
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<tr>
<td>Global Mental Health*</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
<td>150</td>
</tr>
<tr>
<td>Mindfulness: Neuroscience &amp; Application*</td>
<td>10-15</td>
<td>15</td>
<td>115-120</td>
<td>150</td>
</tr>
</tbody>
</table>
*Due to course structure, selecting these modules will prolong your study period. Please contact the enrolment team on +44 (0)20 7848 7860 if you would like to explore these options further.

** The amount of private study required will vary according to the individual student.

**Assessment**
You are assessed through a combination of coursework and examinations and may typically expect assessment by:

<table>
<thead>
<tr>
<th></th>
<th>Exam</th>
<th>Coursework</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSc</td>
<td>70%</td>
<td>30%</td>
</tr>
<tr>
<td>PG Dip</td>
<td>100%</td>
<td></td>
</tr>
</tbody>
</table>

The study time and assessment methods detailed above are typical and give you a good indication of what to expect. However, they may change if the course modules change.

**Regulating body**
King’s College London is regulated by the Office for Students.

**Course structure**
Courses are divided into modules. You will normally take modules totalling 180 credits (MSc), 120 credits (PGDip).

**MSc**
**Required modules**
You are required to take:

- Biological Foundations of Mental Health (15 credits)
- Techniques in Neuroscience (15 credits)
- Psychological Foundations of Mental Health (15 credits)
- Mental Health in the Community (15 credits)
- Contemporary Advances in Neuroscience (15 credits)
- Neurodevelopmental Disorders: From Bench to Bedside (15 credits)
- Research Skills: Research Integrity & Ethics (15 credits)
- Research Skills: Reviewing & Critical Analysis (15 credits)
- Research Skills: Methods & Procedures (15 credits)
- Research Skills: Analysis & Reporting (15 credits)

**Optional modules**
In addition, you are required to take 30 credits from a range of optional modules which may typically include:

- Social, Genetic & Environmental Foundations of Mental Health (15 credits)
- Psychology & Neuroscience of Affective Disorders (15 credits)
- Psychology & Neuroscience of Psychosis (15 credits)
- Pharmacotherapy of Mental Health (15 credits)
- Neuroimaging in Mental Health (15 credits)

**PG Dip**
**Required modules**
You are required to take:

- Biological Foundations of Mental Health (15 credits)
- Techniques in Neuroscience (15 credits)
- Psychological Foundations of Mental Health (15 credits)
- Mental Health in the Community (15 credits)
- Contemporary Advances in Neuroscience (15 credits)
- Neurodevelopmental Disorders: From Bench to Bedside (15 credits)

**Optional modules**
In addition, you are required to take 30 credits from a range of optional modules which may typically include:

- Psychology & Neuroscience of Addiction (15 credits)
- Psychology & Neuroscience of Affective Disorders (15 credits)
- Psychology & Neuroscience of Psychosis (15 credits)
- Neuroscience in Society (15 credits)
- Psychology & Neuroscience of Addiction* (15 credits)
- Child & Adolescent Mental Health* (15 credits)
- Global Mental Health* (15 credits)
- Mindfulness: Neuroscience & Application* (15 credits)

*Due to course structure, selecting these modules will prolong your study period. Please contact the enrolment team on +44 (0)20 7848 7860 if you would like to explore these options further.

King’s College London reviews the modules offered on a regular basis to provide up-to-date, innovative and relevant programmes of study. Therefore, modules offered may change. We suggest you keep an eye on the course finder on our website for updates.
• Pharmacotherapy of Mental Health (15 credits)
• Neuroscience in Society (15 credits)
• Social, Genetic & Environmental Foundations of Mental Health (15 credits)
• Neuroimaging in Mental Health (15 credits)
• Child & Adolescent Mental Health* (15 credits)
• Global Mental Health* (15 credits)
• Mindfulness: Neuroscience & Application* (15 credits)

*Due to course structure, selecting these modules will prolong your study period. Please contact the enrolment team on +44 (0)20 7848 7860 if you would like to explore these options further.

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**Location**

This course is taught online through the King’s College London Distance Learning portal.

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**Career prospects**

At King’s, you’ll enter into one of the world’s most competitive student bodies and join a legacy of graduates that are sought out by some of the leading employers in the field.

The Applied Neuroscience MSc will:

• open up opportunities within research, or progress to PhD
• provide knowledge that can benefit a number of career paths
• provide a solid set of transferable research skills such as analysis, report writing, reviewing and critical appraisal

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**Disclaimer**

Although this PDF was up-to-date at the time it was produced, please make sure you check our website www.kcl.ac.uk/study or contact us directly for the very latest information before you commit yourself to any of our courses.

**Contact us**

Tel +44 (0)20 7836 5454