ADMISSIONS AND REQUIREMENTS

Admission to the MSc Programme in Neuroscience is restricted (32 positions). The selection of candidates is organised by an Admission Committee and includes a written and an oral test. To access the admission test, applicants must be in possession of a first-cycle degree in Biological Sciences or an equivalent Bachelor’s degree awarded by a foreign university. An adequate understanding of English is also necessary (level B1 or equivalent). Access to the admission test is also available to applicants in possession of a Bachelor’s degree in other disciplines outlined on the following site:

http://didattica.biologia.unipi.it/en/admission-to-the-course-wnc-lm.html

DEADLINES AND FEES

Successful candidates must follow the University of Pisa’s standard enrolment procedure. Information can be found at:

www.unipi.it/eu-student-enrolment
www.unipi.it/noneu-student-enrolment
www.unipi.it/tuition-fees

Website
http://didattica.biologia.unipi.it/en/home-eng-wnc-lm.html

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MSc Programme in Neuroscience
UNIVERSITÀ DI PISA

Established in 1343, UNIPI is one of the most prestigious Italian higher education institutions and a modern centre for teaching and advanced research. One of the University's main strategies is that of internationalisation as it aims to engage with students and researchers and establish long-term partnerships with universities and public and private institutions from all over the world. With a current student population surpassing 54,000, UNIPI offers a large number of degree programmes held in English and a variety of exchange programmes.

SCUOLA NORMALE SUPERIORE

The Scuola Normale Superiore (SNS) is a public institute for higher education. Since its establishment two centuries ago, the SNS has earned itself a special place, both in Italy and abroad, characterised by merit, talent and scientific rigour. The aim of the SNS is to promote the development of culture, teaching and research in sciences and humanities, through a very high level of cross-disciplinary education, giving priority to the relationship between education and research.

Study at the Department of Biology (UNIPI) and at the SNS

The Department of Biology consists of approximately 60 professors and senior researchers, along with a number of PhD students and junior researchers. It is characterised by a multidisciplinary approach and by the integration of competences in a constructive environment for exciting research and modern teaching. The SNS has a highly selective admission process that gives students access to a unique educational system in which the keynote is the interweaving of teaching and research: students become engaged in research at an early stage and receive additional interdisciplinary training, with a strong emphasis on quantitative, mathematically-oriented approaches.

This MSc programme will contribute to Pisa’s reputation of excellence in Neuroscience, pioneered by Giuseppe Moruzzi in the 1950s and 60s and developed thereafter by Lamberto Maffe. Owing to this legacy, Pisa offers a very active and competitive scientific environment for studies in Neuroscience. The aim of the course is to provide interdisciplinary training that spans across a wide variety of experimental and computational approaches to contemporary Neuroscience, from the molecular and cellular level to the analysis of higher cognitive functions in the human brain. The course is designed to not only attract students possessing a Bachelor’s (or equivalent) degree in a strictly biological field, but also students possessing a degree from a wide range of different educational programmes. The programme is structured as follows:

### FIRST YEAR

<table>
<thead>
<tr>
<th>Course Title</th>
<th>ECTS</th>
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<tr>
<td>Development and differentiation of the nervous system</td>
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<tr>
<td>Nanotechnology for Neurosciences</td>
<td>6</td>
</tr>
<tr>
<td>Neurobiology</td>
<td>9</td>
</tr>
<tr>
<td>Neurogenomics</td>
<td>6</td>
</tr>
<tr>
<td>Neuropharmacology and Biochemistry of Signalling</td>
<td>6</td>
</tr>
<tr>
<td>Transgenic models and molecular methods for Neuroscience</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics for Neurosciences</td>
<td>6</td>
</tr>
<tr>
<td>Elective courses</td>
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<td><strong>TOTAL</strong></td>
<td><strong>60</strong></td>
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### SECOND YEAR

<table>
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<th>Course Title</th>
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<tr>
<td>Sensory and Cognitive Neuroscience</td>
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<tr>
<td>Master’s degree Thesis</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>60</strong></td>
</tr>
</tbody>
</table>

UNIVERSITY OF PISA

PROGRAMME OVERVIEW

- Experience a rich scientific environment
- Learn from a multidisciplinary approach
- Get involved with cutting-edge research

Professionals from UNIPI and SNS are available to support students in their academic and personal development, providing guidance and advice on career opportunities and further education.