

APPLICATIONS AND REQUIREMENTS

International candidates must have a Bachelor’s degree in Biological Sciences or an equivalent Diploma. Adequate knowledge of English is mandatory (level B1 or equivalent).

Candidates must apply online at [applymscenglish.unipi.it](http://applymscenglish.unipi.it). Successful applicants must follow the University of Pisa’s standard enrolment procedure.

More details at: [www.unipi.it/enrolment](http://www.unipi.it/enrolment).

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

**Study Programme Director**  
Prof. Luciana Dente  
[luciana.dente@unipi.it](mailto:luciana.dente@unipi.it)

**General Information**  
Prof. Maria Concetta Morrone  
[concetta@in.cnr.it](mailto:concetta@in.cnr.it)

Prof. Giovanni Casini  
[giovanni.casini@unipi.it](mailto:giovanni.casini@unipi.it)

**Academic Coordinator**  
Sara Cambi  
[sara.cambi@unipi.it](mailto:sara.cambi@unipi.it)

ENROLMENT AND FEES

Enrolment instructions are available at [matricolandosi.unipi.it/en](http://matricolandosi.unipi.it/en). Fees depend on the student’s country of origin and vary from € 356 euros to € 2,452 for each academic year. Information on fee waivers, extraordinary contribution and scholarships can be found at [www.unipi.it/tuition-fees](http://www.unipi.it/tuition-fees).



**CONTACT INFO:**  
Sara Cambi  
[sara.cambi@unipi.it](mailto:sara.cambi@unipi.it)



MSc Programme in Neuroscience



[www.unipi.it](http://www.unipi.it)

# 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.*



## COME AND THRIVE

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

## PROGRAMME OVERVIEW

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 Maffei. 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 coming from a wide range of different educational routes. The programme is structured as follows:

FIRST YEAR	ECTS
Development and differentiation of the nervous system	6
Nanotechnology for Neurosciences	6
Neurobiology I	6
Neurobiology II	9
Neurogenomics	6
Neuropharmacology and Biochemistry of Signalling	6
Transgenic models and molecular methods for Neurosciences	6
Mathematics for Neurosciences	6
Elective courses	9
<b>TOTAL</b>	<b>60</b>

SECOND YEAR	ECTS
Neurobiology III	6
Sensory and Cognitive Neuroscience	6
Master’s degree thesis	48
<b>TOTAL</b>	<b>60</b>

## PROFESSIONAL PERSPECTIVES

Graduates in Neuroscience will be prepared for both academic and industrial research, particularly in pharmaceutical and biotechnological industries. They may have the opportunity to be involved in the production of both medical and diagnostic devices, as well as in the sector of neuroprosthesis. Other professional prospects include the dissemination of scientific knowledge, institutional communication (for instance within European political institutions), or a role in the developing field of Neuroeconomics (for instance in private or public consulting agencies).