



University College Dublin  
Ireland's Global University



## MSc in Behavioural Neuroscience (One Year Full Time)

The MSc in Behavioral Neuroscience offers advanced education and training in topics concerning human behavior and its relation to the brain. Students will take modules in Psychology (perception & cognition, language, decision making, neuropsychology, memory & emotion, neuro-disability & rehabilitation) and Neuroscience (principals of neuroscience, higher cortical function, sensory neuroscience, neuropharmacology) with further options in Behavioural Economics, allowing students customize their postgraduate education to complement their undergraduate training.

The programme provides an excellent preparation for students who wish to pursue doctoral research in psychology, neuroscience or neuropsychology and equips students for work in research, medical and health settings.

Students will gain key skills in research methods, experimental design, programming & data analysis. This is achieved through lab rotation and by pairing students with academic supervisors based on their research interests to complete a 30-credit research project.

### UCD School of Psychology

The School of Psychology at UCD has a very strong tradition of experimental research with the first Psychology laboratory in Ireland established here in 1958. Our staff are international experts in a wide range of topics including visual perception, attention and memory, mental and motor imagery, language development, neuropsychology and neuropsychiatry, development of brain and behaviour, social cognition, numerical cognition and dyslexia. Our partners in the UCD Centre for Neuroscience are experts in both fundamental and clinical neuroscience with research interests in the normal functioning of the nervous system and in neurodegenerative and neuropsychiatric diseases.

## Why study at UCD?



### Tradition

Established 1854, with 160 years of teaching & research excellence



### Global profile

UCD is ranked in the top 1% of higher education institutions worldwide



### Global community

Over 6,000 international students from over 120 countries study at UCD



### Global careers

Degrees with high employability; dedicated careers support; Two-year stay-back visa for Non-EU students



### Safety

Modern parkland campus with 24 hour security, minutes from Dublin city centre

## Course Content and Structure

90 credits  
taught masters

55 credits  
Core modules

35 credits  
Optional Modules

The MSc in Behavioural Neuroscience is a 90-credit full time programme, including 60 credits of core modules and 30 credits of option modules. Core training includes:

- Research project (30 credits)
- Recent Papers in Behavioural Neuroscience & Neuropsychology
- Experimental design & lab rotation
- Data programming & statistics in R

**Note:** If you are not a Psychology graduate, you will also undertake a research methods and statistics crash course, which will take place in late August and which will prepare you for the more advanced modules offered in the MSc programme.

Indicative option modules will include:

- Neuropsychology
- Advanced Cognitive Psychology
- Advanced Language Development and Bilingualism
- Sensorimotor Processes
- Social Cognition
- Topics in Psychological Science
- Neuro-disability and Rehabilitation
- Principles of Neuroscience
- Higher Cortical Functioning
- Sensory Neuroscience
- Development & Pharmacology of the Nervous System
- Experiments in Economics
- Behavioural Economics





## Career Opportunities

The MSc in Behavioural Neuroscience provides an excellent background for students wishing to pursue a PhD in Psychology or Behavioural Neuroscience and a career as an academic or research scientist. With core emphasis on research design, data visualization and analysis the MSc also equips students for work in research, medical and health settings. As research in behavioural neuroscience increasingly informs public policy in areas pertaining to mental health, education and childcare the skills and education provided on the programme should benefit those interested in careers in these areas.



**Fees** Fee information at [www.ucd.ie/fees](http://www.ucd.ie/fees)

## Entry Requirements

- A primary degree with at least upper second class honours or international equivalent in Psychology or in Neuroscience.
- Or a Higher Diploma in Psychology with at least upper second class honours.
- We will also consider applicants with at least an upper second class honours degree in a cognate area that provides appropriate background to the programme.
- Applicants whose first language is not English must also demonstrate English language proficiency of IELTS 7.0 (no band less than 6.5 in each element), or equivalent.

## Programme Information

Behavioural Neuroscience is an interdisciplinary field which combines expertise from a range of disciplines, including Psychology, Neuroscience, Engineering, Computer Science and Economics. Teaching on the MSc will be provided by UCD faculty with backgrounds in wide-ranging but complementary fields, cutting across boundaries to provide students with new insights into this exciting topic. The programme also offers students the opportunity to get involved in staff research and to work together to produce a successful research thesis.

The School of Psychology has laboratories dedicated to the study of Attention & Memory, Perception, Neuropsychology, Eye Tracking, EEG, and Media & Entertainment Psychology, and the School has research links with Trinity College Institute of Neuroscience and St Vincent's Hospital.

## Contact Us

### EU Students

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### International Students

[www.ucd.ie/international](http://www.ucd.ie/international)  
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*Visas / Funding / Scholarships / Accommodation*

## Related Masters

MSc Cognitive Science