UNIVERSITY OF CAPE TOWN
IYUNIVESITHI YASEKAPA · UNIVERSITEIT VAN KAAPSTAD

Neuroscience Institute

MASTER OF NEUROSCIENCE 2025 (MNEUROSC)

Given the revolutionary scope of brain research today, this novel taught programme aims to upskill students from diverse academic disciplines to contribute to knowledge production in the exciting field of neuroscience. Scholars from 7 different departments across 3 different faculties at UCT contribute to teaching and supervision on this cutting-edge programme, making it the most interdisciplinary offering yet. Yes, this is the programme you have been waiting for!

Apply online through the
UCT Admissions Office
(programme MM194CHM16)
before 31st October 2024

INFO SESSION
Wed 9th Oct
14:30 - 15:30
register here

The MNeuroSc will run as a full-time contact programme with a minimum time to completion of one year. To accommodate students unable to complete all coursework in one year, it will also be offered part-time over two years. No other programmes of this nature currently exist within South Africa.

Housed at the innovative UChoused Neuroscience Institute, we envision that this programme will draw students from across South Africa and further abroad, contributing much-needed diversity to the field and broadening the currently limited access to neuroscience training in Africa.
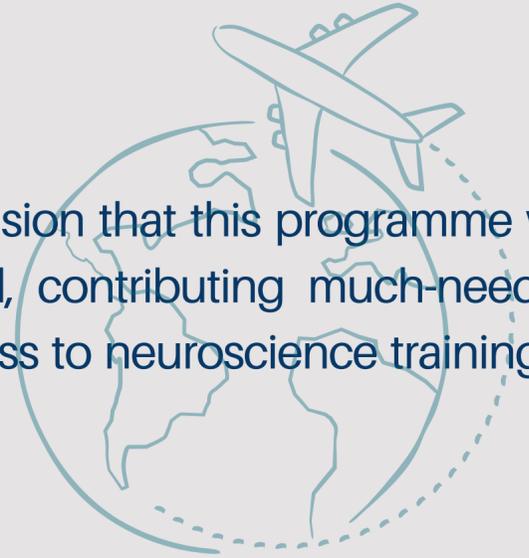
ADMISSION REQUIREMENTS

- ⊘ Hold an approved honours or 4-year degree (NQF Level 8 qualification) in a relevant discipline including, but not limited to, Health Sciences, Psychology and Social Sciences, Engineering, Computer Science, Mathematics, Physics, and Philosophy, OR
- ⊘ Hold a qualification recognised by Senate as equivalent to the above;
- ⊘ Have achieved a final mark of 65% in their prior qualification. If you do not yet have a final mark for your qualification, you must include a letter from your course convenor confirming the partial marks you have.
- ⊘ Have proven proficiency in written and spoken English.

THE FOLLOWING IS REQUIRED FOR YOUR UCT ONLINE APPLICATION:

- ⊘ Certified degree certificates and copies of original academic transcripts.
- ⊘ Curriculum Vitae (including previous research and work experience).
- ⊘ A letter of motivation (max 500 words), which outlines your interest in neuroscience, career goals, and why you should be considered for the programme. Please also indicate which elective course you would be interested in (see Curriculum below).
- ⊘ Names and contact details of two referees.

IMPORTANT: Your two chosen referees (at least one of whom should be academic) must submit their referee reports to MNeuroSc.NI@gmail.com with the subject:
Referee Report: Your Name and Surname, MNeuroSc.

Referee reports are due on **31 October 2024.** It is your responsibility to ensure these reports are submitted by your referees on time, no late reports will be accepted.

For more information contact the programme convenor:
Dr Melike Fourie
(melike.fourie@uct.ac.za)

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![Neuroscience Institute logo]

SELECTION PROCESS

There are limited placements for this programme, and admission will be highly competitive. Selection will be based primarily on research and academic merit, to ensure candidates can master the considerable course load in the minimum amount of time (full-time students will be prioritised). Equity targets and the potential to contribute to the field of Neuroscience in Africa and beyond will also be considered. Short-listed candidates may be requested to attend an interview with the programme selection committee.

FUNDING

A limited number of scholarships will be made available on a competitive basis. All applicants are encouraged to apply for funding from the Postgraduate Funding Office. Please note that only those accepted into the programme who also applied for financial aid through the PGFO will be considered for a scholarship. If you have applied for enrollment in the programme, you may proceed to apply for a scholarship by sending a short motivation letter to MNeuroSc.NI@gmail.com.

CURRICULUM

The taught component comprises two-thirds of the credit weighting and spans the entire academic year. The research component consists of a mini-dissertation carrying a third of the credit weighting.

THE PROGRAMME STRUCTURE IS AS FOLLOWS:

Compulsory Courses:
- ✓ Neuroanatomy and Neuropathology
- ✓ Molecular and Cellular Neuroscience
- ✓ Clinical Applications in Neuroscience
- ✓ Bioinformatics Programming with Python
- ✓ Ethics of New and Emerging Health Technologies
- ✓ Social and Behavioural Neuroscience
- ✓ An Introduction to Machine Learning for Neuroscientists
- ✓ Neuroscience Research Skills

Electives (choose one):
- ✓ Neuroimaging Technologies for Research and Clinical Practice
- ✓ Introduction to Processing and Interpreting Human Genomic Data

Research Project:
- ✓ A mini-dissertation offered in a variety of contributing disciplines.

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