

NEUROSCIENCE PROGRAMME



The mission of the Neuroscience programme is to provide high quality undergraduate education in neuroscience using a multi-disciplinary approach. This programme combines basic science with more specialized courses in neuroscience and psychology. Students can take this neuroscience programme as a second major, or as a minor in addition to their declared primary major.

PROGRAMME OBJECTIVES

- Provide students with exposure to, and a fundamental understanding of neuroscience and its related fields using a multi-disciplinary approach
- Develop students' ability to critically analyse scientific research
- Equip students with basic theoretical and methodological training that enable their successful pursuit of further study at the postgraduate level in neuroscience or related disciplines
- Enhance students' awareness of social issues as neuroscience training will equip them with the background to understand controversies in neuroscience or related disciplines

REQUIREMENTS

The major#/minor option is open to all HKU undergraduates. Students are required to have attained Level 3 or above scores in HKDSE Biology, Chemistry or Combined Science OR demonstrate their proficiency through equivalent courses (subject to the approval from the Department of Psychology), before enrolling in the neuroscience core courses.

#The Neuroscience programme can only be taken as a multidisciplinary or second major

OVERVIEW

	Major	Minor
Introductory Courses		
Disciplinary	6	6
Pre-requisites	12	-
Advanced Courses		
Core courses	24	24
Disciplinary electives	24	6
Capstone experience	6	-
Total no. of Credits	72	36

Candidates who opt to declare two major programmes offered by the Faculty of Social Sciences should avoid selecting overlapping pre-requisites

EXAMPLES OF ADVANCED COURSES

PSYC2101	Foundations of neuroscience I	6 credits
PSYC2103	Foundations of neuroscience II	6 credits
PSYC2102	Seminar in neuroscience	6 credits
PSYC3054	Human neuropsychology	6 credits
PSYC2110	Developmental neuroscience	6 credits
PSYC2111	Neurobiological basis of psychological issues	6 credits
PSYC2112	Research internship in neuroscience	6 credits
PSYC2113	Introduction to brain imaging	6 credits
PSYC4101	Thesis in neuroscience	12 credits
BBMS3011	Molecular neuroscience	6 credits
BIOL3105	Animal physiology & environmental adaptation	6 credits
BBMS3012	Stem cell biotechnologies in regenerative medicine	6 credits
BMED3501	Medical imaging	6 credits
PSYC2007	Cognitive psychology	6 credits
PSYC2051	Perception	6 credits
PSYC3061	Advanced issues in perception	6 credits
PSYC3068	Advanced cognitive psychology	6 credits

For courses offered in 2023/24, please visit our website: <http://psychology.hku.hk/neuroscience>