



Department of Psychology

The University of Hong Kong

香港大學心理學系

A first-of-its kind Undergraduate Major/Minor in Hong Kong “Neuroscience”

In offer
since
2017/18

Major:
72 credits

Minor:
36 credits

Multi-disciplinary
e.g.

Biology

Computer
Science

Physiology

Psychology

NEUROSCIENCE is an interdisciplinary subject. It is the study of the processes of the brain and nervous system, and their behavioral outcomes. This programme combines breadth of exposure to different fields and depth of learning experience in neuroscience study, it provides a fertile academic ground and significant academic advantage for students to further their studies and research in the neuroscience area, and eventually to translate their research findings into practical applications. Apart from the traditional neuroscience careers such as neuroscientist, neurologist, biological psychologist etc., there are other careers such as computer science, education, machine learning, artificial intelligence, public policy, medicine and pharmacology etc. benefit from a neuroscience perspective.

PROGRAMME OVERVIEW

- Students who wish to declare a Major/Minor in Neuroscience must complete at least 72 credits for the Major or 36 credits for the Minor .

**CLICK HERE TO SEE MORE
DETAILS**



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https://www.psychology.hku.hk/?page_id=1619

✚ Why to take?

The objectives of the programme are to:

- provide students with exposure to and a fundamental understanding of neuroscience and its related fields in a multi-disciplinary approach
- develop students' ability to critically analyze 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 the neuroscience training will equip them with the background to understand controversies in neuroscience or related disciplines.

✚ Who can apply?

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

(#Neuroscience programme could only be taken as a multidisciplinary / second major)

✚ What is required?

Components	No. of Credits	
	Major	Minor
a) Introductory courses		
i) disciplinary	6	6
ii) pre-requisites*	12	-
b) Advanced courses		
iii) core courses	18	18
iv) disciplinary electives	30	12
v) capstone experience	6	-
Total	72	36

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

✚ What courses you can choose? (Examples of advanced courses*)

- PSYC2101. Foundations of neuroscience (6 credits)
- PSYC2102. Seminar in neuroscience (6 credits)
- PSYC3054. Human neuropsychology (6 credits)
- PSYC2110. Developmental neuroscience (6 credits)
- PSYC2111. Biological basis of psychological issues (6 credits)
- PSYC2112. Research internship in neuroscience (6 credits)
- PSYC4101. Independent study in neuroscience (12 credits)
- BBMS3011. Molecular neuroscience (6 credits)
- BIOL3105. Animal physiology & environmental adaptation (6 credits)
- BBMS2003. Human genetics (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)
- PSYC4102. Capstone project in neuroscience (6 credits)

(*For courses offered in 2018/19, please visit our website: https://www.psychology.hku.hk/?page_id=1619)