

神經科學研究所_博士班

112_學年度

最低修業年限	2 年
應修學分數	18 學分
逕博應修學分數	18 學分
應修（應選）課程及符合畢業資格之修課相關規定	<p>(一) 必修科目</p> <p>甲組（分子細胞神經科學組）</p> <p>認知神經科學導論 (2 學分)</p> <p>神經科學研究方法 (2 學分)</p> <p>學生學術研究倫理教育課程 (0 學分)</p> <p>神經科學總論 (3 學分)</p> <p>神經科學專論 (3 學分)</p> <p>註：以上自 107 學年度開始實施，新舊生適用。</p> <p>乙組（認知神經科學組）</p> <p>認知神經科學總論 (3 學分)</p> <p>神經生物學導論 (2 學分)</p> <p>數理統計 (2 學分)</p> <p>學生學術研究倫理教育課程 (0 學分)</p> <p>認知神經科學方法：理論與實作 (2 學分)</p> <p>註：以上自 104 學年度開始實施，</p> <p>1.103 學年度前入學生修畢「認知神經科學方法」且成績及格者，得免修「認知神經科學方法：理論與實作」。</p> <p>2.103 學年度前入學生未修畢「認知神經科學深論」或修習過成績不及格者，可免再修。</p> <p>丙組（神經科技組）</p> <p>學生學術研究倫理教育課程 (0 學分)</p> <p>可跨組修習甲、乙組的必修科目，達 9 學分。</p> <p>丁組（臨床醫學組）</p> <p>學生學術研究倫理教育課程 (0 學分)</p> <p>可跨組修習甲、乙組的必修科目，達 9 學分。</p> <p>戊組（國際生組）</p> <p>學生學術研究倫理教育課程 (0 學分)</p> <p>可修習 TIGP INS/NPAS 或 TIGP MM、或以英文授課的必修科目，達 11 學分。</p> <p>(二) 必選修科目：</p> <p>生命科學院-生物醫學講座 (1 學分，至少選修 2 學期，共 2 學分)。</p> <p>註：自 107 學年度起開始實施。</p> <p>(三) 選修科目：</p> <p>選修範圍以本校教務處當學期公布之課程表為準。</p> <p>(四) 選課、加退選課悉依本校學則及相關規定辦理。</p> <p>且</p> <p>1. 至少應修畢十八學分，其中包含本所各組訂定之必修及必選科目學分。(不含博士論文，十二學分)。</p> <p>2. 逕修讀博士班學位研究生可抵免必修學分至多十學分。</p>

3. 博士班研究生論文學分（十二學分）另計。
4. 博士班資格考試至遲於第三學年結束前完成通過。
5. 博士班研究生於學位考試時，至少需有一篇論文已經被國際科學索引指標列名之期刊接受發表或通過預口試（詳見學位考試細則）。

Institute of Neuroscience _Ph. D. Program

Academic Year 112

Mini. Term of Study	2 years
Minimum Credits	18 credits
Minimum Credits for Direct-Entrance Ph.D.	18 credits
Curriculum and Regulations	<p>1. Required courses for each group:</p> <p><u>Group A (Cellular and molecular neuroscience)</u>: Introduction to neuroscience (3 credits); Special topics in neuroscience (3 credits); Introduction to cognitive neuroscience (2 credits); Methods in neuroscience research (2 credits); Research Ethics (0 credit)</p> <p><u>Group B (Cognitive neuroscience)</u>: Introduction to cognitive neuroscience (3 credits); Introduction to neuroscience (2 credits); Statistics (2 credits); Methods in cognitive neuroscience research (2 credits); Research Ethics (0 credit)</p> <p><u>Group C (Neurotechnology)</u>: Select 9 credits from the required courses in Group A or B; Research Ethics (0 credit)</p> <p><u>Group D (Physician-scientist track)</u>: Select 9 credits from the required courses in Group A or B; Research Ethics (0 credit)</p> <p><u>Group E (International students)</u>: Select 11 credits from the required courses in TIGP-INS/NAPAS or TIGP-MMP or teach in English; Research Ethics (0 credit)</p> <p><u>In addition</u>, all students must take Special lectures on biomedicine (1 credit per semester) for at least two semesters.</p> <p>2. Elective courses: Students may enroll in other courses inside or outside the Institute under the recognition of our program.</p> <p>3. Students in the direct-entrance can waive up to 10 credits based on their past course works, with the approval of the program.</p> <p>4. Students must complete and pass 18 credits before graduation. Thesis research (12 credits) does not count toward the required 24 credits. Course registration and dropping/adding courses shall be handled in accordance with the University's bylaws and related regulations.</p> <p>6. PhD students must pass the qualification exam by the end of the 3rd year.</p> <p>7. PhD students have one paper accepted for publication in a SCI-indexed journal, or have passed pre-oral before thesis defense.</p>