

# Master of Science in Neuroscience

## Student Handbook (2025/2026)

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This Student Handbook contains useful information for students enrolled in the Master of Science in Neuroscience programme offered by the Department of Neuroscience. Students are advised to familiarise themselves with this Handbook so as to obtain a general overview of the Department and its taught courses. The information contained in this Student Handbook is correct at the time of publication. Please note that there may be changes to the information from time to time without prior notification. Students are advised to visit relevant websites for updated information. In the event of any discrepancy between the information on the University website and the contents of this handbook, the Department of Neuroscience reserves the right of final decision and interpretation.

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## **1. Introduction**

### **Master of Science in Neuroscience 理學碩士（神經科學）**

Neuroscience is the study of the nervous system, its functions and structure. The nervous system controls human behaviour, emotions, thinking, physical functions, conscious and unconscious movements. Even now, we still do not fully understand this most complex system, and many questions remain to be answered. Moreover, much awaits to be discovered about how the dysfunction of nervous system can lead to neurological and psychiatric disorders.

#### **1.1 Programme Aims**

- Provide students with diverse background of undergraduate education with updated knowledge and practical techniques of basic and translational neuroscience;
- Provide students with knowledge and encourage them to critically think about emerging neuroscience and neuroscience-related interdisciplinary research, technology, education, and industries, and to prepare them for a career in this growing multi-disciplinary field;
- Educate healthcare and non-healthcare professionals with updated relevant knowledge of neuroscience and neuropsychiatric diseases.

#### **1.2 Programme Intended Learning Outcomes (PILOs)**

- Understand how the anatomy and physiology of our nervous system enable the various functions such as learning and memory, sensory and motor function, and emotion;
- Understand how dysfunction of the nervous system can lead to neurological and psychiatric disorders, and how new therapeutics can be developed to treat them;
- Critically evaluate the latest research literature and apply it to provide solutions to current issues in nervous system health;
- Critically analyse, interpret, discuss and justify neuroscientific data; and
- Communicate effectively, manage skillfully, and work closely with people from diverse education and professional background and experience. Communicate complex translational neuroscience concepts effectively to a variety of audience.

#### **1.3 Career Prospects**

After graduating from this programme students will have the skills to work in a range of disciplines and settings such as:

- Education and research
- Private sector (health care organisations, pharmaceutical industry, consultancy etc.)
- PhD studies in Neuroscience

## **2. Programme Curriculum**

### **2.1 Programme Requirements and Courses List**

Students are required to complete **30 credit units (CUs)** for graduation from this Master of Science in Neuroscience (MSN) programme. MSN will be organized as an interdisciplinary programme with Department of Biomedical Sciences (BMS).

<b>Core Courses (15 CUs):</b>			
<b>Course Code</b>	<b>Course Title</b>	<b>Level</b>	<b>CUs</b>
NS5001	Research Methodology and Ethics	P5	3
NS5002	Neurobiology of Disease	P5	3
NS5003	Neural Basis of Learning and Memory	P5	3
NS5004	Molecular and Cellular Neuroscience	P5	3
NS8002	Advanced Neuroscience	R8	3

The Master of Science in Neuroscience programme is divided into two streams: **(1) the Undeclared Stream** and **(2) the Human and Artificial Intelligence Stream**. Each of them **comprises 15 credit units**. The Human and Artificial Intelligence Stream is designed for students who are interested in Artificial Intelligence (AI) technologies and applications, AI and human disease, and human-computer interactions. Students are required to select one of these streams at the beginning of their study, allowing them to tailor to their career goals and academic interests.

#### **1. Undeclared Stream**

Students are required to register 15 credit units from the list of elective courses below.

<b>Electives (15 CUs):</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Level</b>	<b>CUs</b>	<b>Remarks</b>
NS5005	Sensory and Motor Neuroscience	P5	3	
NS5006	Cognitive and Behavioral Neuroscience	P5	3	
NS5007	Human and Artificial Intelligence	P5	3	
NS5008	Neuropharmacology	P5	3	
NS6001	Research Project in Neuroscience	P6	6	Maximum: Two Semesters (Semester A & B)
BMS8106	Stem Cell and Regenerative Medicine	R8	3	
BMS8110	Genomics and Bioinformatics	R8	3	

## 2. Human and Artificial Intelligence Stream

<b>Major Stream Elective Courses (12 CUs)</b>			
<b>Course Code</b>	<b>Course Title</b>	<b>Level</b>	<b>CUs</b>
NS5007	Human and Artificial Intelligence	P5	3
NS5009	Ethical Application of Artificial Intelligence in Biological Sciences and Healthcare	P5	3
NS6002	Advanced Computational Neuroscience	P6	3
NS6003	A Mathematical Introduction to Neural Networks	P6	3

Elective Courses (3 credit units), choose from the list of courses in the table below:

<b>Electives (15 CUs):</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Level</b>	<b>CUs</b>	<b>Remarks</b>
NS5005	Sensory and Motor Neuroscience	P5	3	
NS5006	Cognitive and Behavioral Neuroscience	P5	3	
NS5008	Neuropharmacology	P5	3	
NS6001	Research Project in Neuroscience	P6	6	Maximum: Two Semesters (Semester A & B)
BMS8106	Stem Cell and Regenerative Medicine	R8	3	
BMS8110	Genomics and Bioinformatics	R8	3	

\*Remarks:

- Some of the elective courses will be offered subject to sufficient enrolment or every two years.
- Courses offered by different departments might have timetable conflicts, please plan ahead for the courses to register.
- NS6001 Research Project in Neuroscience will normally last for a maximum of two semesters to complete in Semester A and Semester B. The enrolment quota of NS6001 is subject to the availability of the lab of the faculty members.
- Students who select Human and Artificial Intelligence Stream and choose NS6001 as the elective course are required to pay a total of 33 credit units in tuition fees.

## **2.2 Course Syllabus**

You can download the course syllabus on the website of Master's Degree Catalogue:

<https://www.cityu.edu.hk/catalogue/pg/202526/programme/MSN1.htm>

## **2.3 Mode of Attendance and Programme Duration**

Master of Science in Neuroscience: Combined mode<sup>†</sup>, Self-financing

	Full-time Mode	Part-time Mode
Normal Study Period	1 year	2 years
Maximum Study Period	2.5 years	5 years

Note:

<sup>†</sup> Combined mode: Local students taking programmes in combined mode can attend full-time (12-18 credit units per semester) or part-time (no more than 11 credit units per semester) study in different semesters without seeking approval from the University. For non-local students, they will be admitted to these programmes for either full-time or part-time studies. Non-local students must maintain the required credit load for their full-time or part-time studies and any changes will require approval from the University.

## **2.4 Tuition Fees**

Local Student: HK\$6,700 per credit (2025/2026)

Non-local Student: HK\$6,700 per credit (2025/2026)

## **2.5 Medium of Instruction and Assessment**

English

## **2.6 CGPA Banding for Master's Degree Award Classifications**

Students will be awarded the following classifications based on their CGPA attained upon completion of all appropriate graduation requirements:

Master's Degree	CGPA
Distinction	3.5 or above
Credit	3.20 – 3.49
Pass	2.00 – 3.19

## **2.7 Academic Regulations and Guidelines for Master's Degree**

Students should observe the University's related regulations and guidelines on assessment at all times. More information can be available by referring to the websites maintained by Chow Yei Ching School of Graduate Studies.

[http://www.cityu.edu.hk/qac/assessment\\_policy/university\\_assessment\\_policy.htm](http://www.cityu.edu.hk/qac/assessment_policy/university_assessment_policy.htm)

<https://www.cityu.edu.hk/sqs/student/tpg/regulation>

<https://www.cityu.edu.hk/sqs/student/tpg/regulation/acadreg>

## **2.8 Academic Honesty**

Academic honesty is central to the conduct of academic work. Students are responsible for knowing and understanding the Rules on Academic Honesty. As part of the University's efforts to educate students about academic honesty, all students are required to complete an online tutorial, take an online quiz and fill out an online declaration **by 30 November 2025** in order to access their course grades online.

For details, please refer to the Office of the Provost and Deputy President's website:

<https://www.cityu.edu.hk/ah/>

### **3. Information to New Students**

#### **3.1 Electronic Mail account for students (e-mail)**

Information relevant to your studies will disseminate to you via your CityU student electronic mail. You should check your e-mail account frequently for the messages and updates news announced by the University and Department. You are also encouraged to communicate with Programme leaders, Course leaders and lecturers through e-mail. Please state your name, student number and contact telephone number in your emails clearly.

To learn more about the student email services, please visit the following website:

<https://www.cityu.edu.hk/csc/deptweb/support/faq/email/o365/o365.htm>

#### **3.2 Canvas (e-Learning Platform)**

Students are encouraged to use the Canvas, an e-learning platform, to communicate with the Course instructors/leaders, as well as among their fellow classmates. The Canvas also serves as the platform for instructors to disseminate course-related information to students.

Canvas and other e-learning information:

<https://www.cityu.edu.hk/its/services-facilities/learning-management-system>

#### **3.3 CityU Announcement Portal (CAP) at Student Intranet**

Please check the CityU Announcement Portal (CAP) **EVERYDAY** for the announcements from the University, your College and your Department. A Daily announcement digest (summary) will send to you by email everyday.

CAP: <https://www.cityu.edu.hk/portal> > CAP (after log-in)

You may also download the “CAP App” which you can download from the iOS and the Android apps stores.

#### **3.4 How to Check your Personal Class Schedule**

- i) Login [AIMS](#). ([CityU Homepage](#) → Quick Links → AIMS)
- ii) Click “Course Registration” menu.
- iii) Click “My Detail Schedule” to display details of your class schedule.

#### **3.5 How to get Instructors’ handouts through Canvas**

- i) Log on to [Canvas](#). ([CityU Homepage](#) → Quick Links → Canvas)
- ii) Click “My Courses”.
- iii) Click “Files”.

### **3.6 Leave of Absence**

Students intending not to register for any courses in a semester (except in Summer Term) because of health problems or other personal reasons, but who will subsequently continue their studies, may apply for a leave of absence to be away from their studies temporarily while maintaining a valid enrolment status with the University.

*Please study the Academic Regulations in detail:*

<https://www.cityu.edu.hk/sqs/student/tpg/records/leave>

### **3.7 Postgraduate Course Registration for Semester A 2025/26**

For Semester A 2025/2026, students will be pre-registered in required courses and programme electives in most cases if possible.

The date for release of your class schedule is **29 July 2025**. Please check your curriculum requirements, review your study plan and then make appropriate adjustments to your pre-registered courses.

Add/Drop of courses can be made through AIMS for web-enabled courses during the web registration period. For non-web-enabled courses, approval is required from the major department and you can submit your change request by using the Add/Drop Form in [AIMS](#). You are also advised to visit <https://www.cityu.edu.hk/sqs/student/tpg/coursereg/web> for course registration details

#### **For courses which are web-enabled:**

Add/drops can be performed during the web registration period **27 August - 8 September 2025**.

Registration time tickets are assigned to space out students so that they will not be logging in at the same time for web registration. Students can check their personal registration time tickets in AIMS for the assigned start time of web registration from **19 August 2025**.

#### **For courses which are not web-enabled:**

For courses which are not web-enabled, students can use the **Add/Drop Form** in [AIMS](#) from **11 August - 8 September 2025** to submit change requests to the home academic unit for approval. (An integrated electronic form, replacing the paper forms for course add/drop and study load adjustment, will be available for use. Details can be found [here](#).)

### **3.8 Credit Transfer**

Applications for credit transfer must be made before a semester begins. For **Semester A 2025/26**, the application period is **from 14 July to 29 August 2025**. For details, please refer to SGS website: <https://www.cityu.edu.hk/sqs/student/tpg/records/credittransfer>

## **4. Other Information for Master's Degree Students**

### **4.1 Information for Master's Degree Students**

Please check for the information and updates announced by SGS on:

<https://www.cityu.edu.hk/sqs/student/tpq>

### **4.2 Forms for Master's Degree Students**

The forms of applying certifications or change of personal information can find on the SGS webpage:

<https://www.cityu.edu.hk/sqs/student/tpq/form>

### **4.3 NS Department Website**

You can access to NS Department website at <https://www.cityu.edu.hk/neuro/> for more information and updates of our Department.

### **4.4 Useful Websites**

Chow Yei Ching School of Graduate Studies (SGS)

<https://www.cityu.edu.hk/sqs/>

College of Biomedicine (CBM)

<https://www.cityu.edu.hk/cbm/>

Department of Biomedical Sciences (BMS)

<https://www.cityu.edu.hk/bms/>

CityU Digital Learning

<https://www.cityu.edu.hk/dlsupport/>

Adverse Weather Arrangements

<https://www.cityu.edu.hk/fmo/awa/>

Run Run Shaw Library

<http://www.cityu.edu.hk/lib/>

Creating a Sexual Harassment-Free Campus

[http://www.cityu.edu.hk/cash/cityu\\_sexual\\_harassment.htm](http://www.cityu.edu.hk/cash/cityu_sexual_harassment.htm)

Tutorial for Students on Preventing Sexual Harassment

[https://www.cityu.edu.hk/cash/studentlan/Online\\_Tutorial/](https://www.cityu.edu.hk/cash/studentlan/Online_Tutorial/)

Academic Calendar

[https://www.cityu.edu.hk/arro/ac\\_calendar.asp](https://www.cityu.edu.hk/arro/ac_calendar.asp)

## **5. Communication**

Students are encouraged to discuss any of their problems or issues related to the courses, assessments and programme with our Programme Leader and Course Lecturers freely. Please contact the General Office if you need any administrative support related to your studies.

Specifically, the following communication channels between students and the department are recommended:

- i) Students who are having academic difficulties with a course should speak directly to the Lecturer of that course.
- ii) A student who wishes to discuss the overall organization of the programme should speak to the Programme Leader or his/her deputy.
- iii) A formal consultative process between students and staff exists in the department in the form of a Joint Staff & Student Consultative Committee (JSSCC). One student from each year will be elected to sit in the JSSCC Committee.

### **5.1 Programme Leader**

<b><u>Position</u></b>	<b><u>Staff Name</u></b>	<b><u>Tel.</u></b>	<b><u>Email</u></b>
Programme Leader	Prof HU Zhitao	3442-4477	<a href="mailto:zhitaohu@cityu.edu.hk">zhitaohu@cityu.edu.hk</a>

### **5.2 Administrative Support from NS General Office**

#### **NS General Office**

##### **Address**

Room 401, 4/F, Block 1A, To Yuen Building, City University of Hong Kong

*Campus Map:* <https://www.cityu.edu.hk/about/campus/map#code:NS>

##### **Office Hours**

Monday - Friday	9:00 am – 5:30 pm
Lunch Break	12:30 pm – 2:00 pm
Saturday, Sunday & Public Holidays	Closed

##### **Enquiry**

MSc in Neuroscience	<a href="mailto:ns.tpg@cityu.edu.hk">ns.tpg@cityu.edu.hk</a>
General Enquiries	<a href="mailto:NS.GO@cityu.edu.hk">NS.GO@cityu.edu.hk</a>

##### **Fax**

3442-0128

## Appendix 1: Academic Calendar 2025/26

### Semester A 2025/26

Week	S	M	T	W	T	F	S	Events	Public Holidays
<b>Sep-25</b>								<b>Semester A 2025/26</b> <b>1 Sept – 29 Nov Teaching Period</b>	
WK 1		1	2	3	4	5	6		
WK 2	7	8	9	10	11	12	13		
WK 3	14	15	16	17	18	19	20		
WK 4	21	22	23	24	25	26	27		
WK 5	28	29	30						
<b>Oct-25</b>								<b>2 Graduation Date</b> <b>4 CityU UG Info Day (non-teaching day)</b>	<b>1 National Day</b> <b>7 Day following Mid-Autumn Festival</b> <b>29 Chung Yeung Festival</b>
WK 5			1	2	3	4			
WK 6	5	6	7	8	9	10	11		
WK 7	12	13	14	15	16	17	18		
WK 8	19	20	21	22	23	24	25		
WK 9	26	27	28	29	30	31			
<b>Nov-25</b>								<b>29 Last Day of Teaching</b>	
WK 9							1		
WK 10	2	3	4	5	6	7	8		
WK 11	9	10	11	12	13	14	15		
WK 12	16	17	18	19	20	21	22		
WK 13	23	24	25	26	27	28	29		
	30								
<b>Dec-25</b>								<b>1 - 6 Student Revision Period</b> <b>8 - 20 Examination Period</b> <b>22 Dec 2025 - 10 Jan 2026 Semester Break</b>	<b>25 Christmas Day</b> <b>26 Day following Christmas Day</b>
		1	2	3	4	5	6		
	7	8	9	10	11	12	13		
	14	15	16	17	18	19	20		
	21	22	23	24	25	26	27		
	28	29	30	31					

## Semester B 2025/26

Week	S	M	T	W	T	F	S	Events	Public Holidays
<b>Jan-26</b>								<b>Semester B 2025/26</b>	
					1	2	3	<b>12 Jan – 18 Apr Teaching Period</b>	<b>1</b> First Day of January
	4	5	6	7	8	9	10		
WK 1	11	12	13	14	15	16	17		
WK 2	18	19	20	21	22	23	24		
WK 3	25	26	27	28	29	30	31		
<b>Feb-26</b>									
WK 4	1	2	3	4	5	6	7	<b>2</b> Graduation Date	
WK 5	8	9	10	11	12	13	14	<b>16 – 22</b> Lunar New Year Break	
	15	16	17	18	19	20	21		<b>17 – 19</b> Lunar New Year Holidays
WK 6	22	23	24	25	26	27	28		
<b>Mar-26</b>									
WK 7	1	2	3	4	5	6	7		
WK 8	8	9	10	11	12	13	14		
WK 9	15	16	17	18	19	20	21		
WK 10	22	23	24	25	26	27	28		
WK 11	29	30	31						
<b>Apr-26</b>									
WK 11				1	2	3	4		<b>3</b> Good Friday
WK 12	5	6	7	8	9	10	11		<b>4</b> Day following Good Friday
WK 13	12	13	14	15	16	17	18	<b>18</b> Last Day of Teaching	<b>6</b> Day following Ching Ming Festival
	19	20	21	22	23	24	25	<b>20 – 25</b> Student Revision Period	<b>7</b> Day following Easter Monday
	26	27	28	29	30			<b>27 Apr – 11 May</b> Examination Period	
<b>May-26</b>									
						1	2	<b>27 Apr – 11 May</b> Examination Period	<b>1</b> Labour Day
	3	4	5	6	7	8	9		
	10	11	12	13	14	15	16	<b>12 May – 6 Jun</b> Semester Break	
	17	18	19	20	21	22	23		
	24	25	26	27	28	29	30		<b>25</b> Day following Buddha's Birthday
	31								

## Summer Term 2026

Week	S	M	T	W	T	F	S	Events	Public Holidays
<b>Jun-26</b>								<b>Summer Term 2026</b>	
		1	2	3	4	5	6	1 Graduation Date	
WK 1	7	8	9	10	11	12	13	<b>8 Jun - 25 Jul Teaching Period</b>	
WK 2	14	15	16	17	18	19	20		<b>19</b> Tuen Ng Festival
WK 3	21	22	23	24	25	26	27		
WK 4	28	29	30						
<b>Jul-26</b>									
WK 4				1	2	3	4		<b>1</b> HK SAR Establishment Day
WK 5	5	6	7	8	9	10	11		
WK 6	12	13	14	15	16	17	18		
WK 7	19	20	21	22	23	24	25	<b>25</b> Last Day of Teaching	
	26	27	28	29	30	31		<b>27 Jul - 1 Aug</b> Student Revision Period	
<b>Aug-26</b>									
							1	<b>27 Jul - 1 Aug</b> Student Revision Period	
	2	3	4	5	6	7	8	<b>3 - 8</b> Examination Period	
	9	10	11	12	13	14	15	<b>10 – 29</b> Term Break	
	16	17	18	19	20	21	22		
	23	24	25	26	27	28	29		
	30	31							

## Appendix 2: Suggested Study Path for Full-time MSN student (1-year, Undeclared Stream)

Study Plan A					
Sem	Courses				CU
<b>A</b>	NS5001* Research Methodology and Ethics (3 CUs)	NS5004** Molecular and Cellular Neuroscience (3 CUs)	NS8002 Advanced Neuroscience (3 CUs)	Elective from NS or BMS (9 CUs)	<b>18</b>
<b>B</b>	NS5002* Neurobiology of Disease (3 CUs)	NS5003 Neural Basis of Learning and Memory (3 CUs)	Elective from NS (6 CUs)		<b>12</b>
<b>Total:</b>					<b>30</b>

Study Plan B (Especially for those students planning to take NS6001)						
Sem	Courses					CU
<b>A</b>	NS5001* Research Methodology and Ethics (3 CUs)	NS5004** Molecular and Cellular Neuroscience (3 CUs)	NS8002 Advanced Neuroscience (3 CUs)	Elective from NS or BMS (3 CUs)	NS6001 Research Project in Neuroscience (6 CUs)	<b>18</b>
<b>B</b>	NS5002* Neurobiology of Disease (3 CUs)	NS5003 Neural Basis of Learning and Memory (3 CUs)	Elective from NS (6 CUs)			<b>12</b>
<b>Total:</b>						<b>30</b>

### Elective courses in Semester A:

- NS5007 Human and Artificial Intelligence (3 CUs)
- NS5008 Neuropharmacology (3 CUs)
- NS6001 Research Project in Neuroscience (6 CUs)
- BMS8106 Stem Cell and Regenerative Medicine (3 CUs)
- BMS8110 Genomics and Bioinformatics (3 CUs)

### Elective courses in Semester B:

- NS5005\* Sensory and Motor Neuroscience (3 CUs)
- NS5006 Cognitive and Behavioral Neuroscience (3 CUs)

### Remarks:

\* Class will be scheduled in the evening in 2025/2026 academic year.

# Lab session will be scheduled on Saturday morning.

### Appendix 3: Suggested Study Path for Part-time MSN student (2-year, Undeclared Stream)

Study Plan C (2-Year Part-time)				
Year	Sem	Courses		CUs
1	A	NS5001* Research Methodology and Ethics (3 CUs)	NS5004** Molecular and Cellular Neuroscience (3 CUs)	6
	B	NS5002* Neurobiology of Disease (3 CUs)	Elective from NS (3 CUs)	6
2	A	NS8002* Advanced Neuroscience (3 CUs)	Elective from NS (6 CUs)	9
	B	NS5003* Neural Basis of Learning and Memory (3 CUs)	Elective from NS (6 CUs)	9
<b>Total:</b>				<b>30</b>

#### Elective courses in Semester A:

- NS5007 Human and Artificial Intelligence (3 CUs)
- NS5008 Neuropharmacology (3 CUs)
- NS6001 Research Project in Neuroscience (6 CUs)
- BMS8106 Stem Cell and Regenerative Medicine (3 CUs)
- BMS8110 Genomics and Bioinformatics (3 CUs)

#### Elective courses in Semester B:

- NS5005 Sensory and Motor Neuroscience (3 CUs)
- NS5006 Cognitive and Behavioral Neuroscience (3 CUs)

#### Remarks:

- \* Class will be scheduled in the evening.
- # Lab session will be scheduled on Saturday morning.
- + If part-time students wish to complete the MSN programme for more than 2 years or have other study plans than the above option C, please send email to us at [ns.tpg@cityu.edu.hk](mailto:ns.tpg@cityu.edu.hk) to discuss.

## Appendix 4: Suggested Study Path for Full-time MSN student (1-year, Human & AI Stream)

Study Plan D							
Sem	Courses						CU's
<b>A</b>	NS5001* Research Methodology and Ethics (3 CUs)	NS5004** Molecular and Cellular Neuroscience (3 CUs)	NS5007 Human and Artificial Intelligence (3 CUs)	NS6003* A Mathematical Introduction to Neural Networks (3 CUs)	NS8002 Advanced Neuroscience (3 CUs)	Elective from NS/BMS  (3 CUs)	<b>15</b> <b>OR</b> <b>18</b>
	<b>B</b>	NS5002* Neurobiology of Disease (3 CUs)	NS5003 Neural Basis of Learning and Memory (3 CUs)	NS5009 Ethical Application of Artificial Intelligence in Biological Sciences and Healthcare (3 CUs)	NS6002* Advanced Computational Neuroscience (3 CUs)		<b>15</b> <b>OR</b> <b>12</b>
<b>Total:</b>							<b>30</b>

Study Plan E (Especially for those students planning to take NS6001)							
Sem	Courses						CU's
<b>A</b>	NS5001* Research Methodology and Ethics (3 CUs)	NS5004** Molecular and Cellular Neuroscience (3 CUs)	NS5007 Human and Artificial Intelligence (3 CUs)	NS6003* A Mathematical Introduction to Neural Networks (3 CUs)	NS8002 Advanced Neuroscience (3 CUs)	NS6001 <sup>△</sup> Research Project in Neuroscience  (6 CUs)	<b>18</b>
	<b>B</b>	NS5002* Neurobiology of Disease (3 CUs)	NS5003 Neural Basis of Learning and Memory (3 CUs)	NS5009 Ethical Application of Artificial Intelligence in Biological Sciences and Healthcare (3 CUs)	NS6002* Advanced Computational Neuroscience (3 CUs)		<b>15</b>
<b>Total:</b>							<b>33</b>

### Elective courses in Semester A:

- NS5008 Neuropharmacology (3 CUs)
- NS6001<sup>△</sup> Research Project in Neuroscience (6 CUs)
- BMS8106 Stem Cell and Regenerative Medicine (3 CUs)
- BMS8110 Genomics and Bioinformatics (3 CUs)

### Elective courses in Semester B:

- NS5005\* Sensory and Motor Neuroscience (3 CUs)
- NS5006 Cognitive and Behavioral Neuroscience (3 CUs)

### Remarks:

\* Class will be scheduled in the evening in 2025/2026 academic year.

# Lab session will be scheduled on Saturday morning.

△ Students who choose NS6001 Research Project in Neuroscience are required to pay a total of 33 credit units in tuition fees.

## Appendix 5: Suggested Study Path for Part-time MSN student (2-year, Human & AI Stream)

Study Plan F (2-Year Part-time)					
Year	Sem	Courses			CUs
1	A	NS5001* Research Methodology and Ethics (3 CUs)	NS5004** Molecular and Cellular Neuroscience (3 CUs)	NS6003* A Mathematical Introduction to Neural Networks (3 CUs)	9
	B	NS5002* Neurobiology of Disease (3 CUs)	NS6002* Advanced Computational Neuroscience (3 CUs)	Elective from NS (3 CUs)	6 <u>OR</u> 9
2	A	NS5007* Human and Artificial Intelligence (3 CUs)	NS8002* Advanced Neuroscience (3 CUs)		Elective from NS (3 CUs)
	B	NS5003* Neural Basis of Learning and Memory (3 CUs)	NS5009* Ethical Application of Artificial Intelligence in Biological Sciences and Healthcare (3 CUs)	6	
<b>Total:</b>					<b>30</b>

### Elective courses in Semester A:

- NS5008 Neuropharmacology (3 CUs)
- NS6001<sup>△</sup> Research Project in Neuroscience (6 CUs)
- BMS8106 Stem Cell and Regenerative Medicine (3 CUs)
- BMS8110 Genomics and Bioinformatics (3 CUs)

### Elective courses in Semester B:

- NS5005 Sensory and Motor Neuroscience (3 CUs)
- NS5006 Cognitive and Behavioral Neuroscience (3 CUs)

### Remarks:

- \* Class will be scheduled in the evening.
- # Lab session will be scheduled on Saturday morning.
- <sup>△</sup> Students who choose NS6001 Research Project in Neuroscience are required to pay a total of 33 credit units in tuition fees.
- + If part-time students wish to complete the MSN programme for more than 2 years or have other study plans than the above option F, please send email to us at [ns.tpg@cityu.edu.hk](mailto:ns.tpg@cityu.edu.hk) to discuss.