

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 |
| Total: | | | | 30 |

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 to discuss.

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) | | (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 | |
| Total: | | | | | 30 |

Elective courses in Semester A:

- 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.
- [△] 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 to discuss.