

# 10 | Curriculum Table

Brain Sciences Major (Doctoral Program) in the Graduate School of Brain Science

○ : Open Term

|                       | Course Code                     | Subject                                | Credit | Opening year |        |        |        |        |        | Neural Computation program | Neurosciences program                         | Remarks |
|-----------------------|---------------------------------|--|--------|--------------|--------|--------|--------|--------|--------|----------------------------|---|---------|
|                       |                                 |  |        | 2019         |        | 2020   |        | 2021   |        |                            |   |         |
|                       |                                 |  |        | Spring       | Autumn | Spring | Autumn | Spring | Autumn |                            |   |         |
| Introductory Subjects | PHIL 600                        | Scientific Research Ethics             | 2      |              | ○      |        | ○      |        | ○      |                            | Compulsory                                    |         |
|                       | BRSC 605                        | Advanced Brain Sciences I              | 1      | ○            | ○      | ○      | ○      | ○      | ○      |                            |   |         |
|                       | BRSC 606                        | Advanced Brain Sciences II             | 1      | ○            | ○      | ○      | ○      | ○      | ○      |                            |   |         |
| Special Subjects      | BRSC 607                        | Brain-type Learning Systems            | 2      |              |        |        | ○      |        |        | ※                          | At least, choose a subject of in your program |         |
|                       | INFO 601                        | Communication Robot Engineering        | 2      |              | ○      |        |        |        | ○      | ※                          |   |         |
|                       | NESC 605                        | Pathological Neuroscience              | 2      |              |        |        | ○      |        |        | ※                          |   |         |
|                       | PSY 600                         | Psychophysics                          | 2      |              | ○      |        |        |        | ○      | ※                          | At least, choose a pair of ※1, ※2, ※3, ※4     |         |
|                       | NESC 602                        | Advanced Systems Neuroscience          | 2      | ○            |        | ○      |        | ○      |        | ※1                         |   |         |
|                       | NESC 601                        | Systems Neuroscience Technique         | 2      |              | ○      |        | ○      |        | ○      |                            |   |         |
|                       | NESC 600                        | Computational Neuroscience             | 2      | ○            |        | ○      |        | ○      |        | ※2                         |   |         |
|                       | INFO 602                        | Computer Simulation Technique          | 2      |              | ○      |        | ○      |        | ○      |                            |   |         |
|                       | NESC 604                        | Brain Image Analysis                   | 2      | ○            |        | ○      |        | ○      |        | ※3                         |   |         |
|                       | NESC 603                        | Neuroimaging Technique                 | 2      |              | ○      |        | ○      |        | ○      |                            |   |         |
|                       | BRSC 608                        | Developmental Science                  | 2      | ○            |        | ○      |        | ○      |        | ※4                         |   |         |
| BRSC 609              | Developmental Science Technique | 2                                      |        | ○            |        | ○      |        | ○      |        |                            |   |         |
| Related Subjects      | BRSC 600                        | Brain Sciences Research Method I       | 2      | ○            | ○      |        |        |        |        |                            | Compulsory                                    |         |
|                       | BRSC 601                        | Brain Sciences Research Method II      | 2      |              | ○      | ○      |        |        |        |                            |   |         |
|                       | BRSC 602                        | Brain Sciences Research Method III     | 2      |              |        | ○      | ○      |        |        |                            |   |         |
|                       | BRSC 603                        | Brain Sciences Research Method IV      | 2      |              |        |        | ○      | ○      |        |                            |   |         |
|                       | BRSC 604                        | Brain Sciences Research Method Seminar | 2      |              |        |        | ○      | ○      | ○      |                            |   |         |

## ■ Requirements for passing the course

- (1) 4 credits in Introductory Subjects
- (2) 10 credits in Research Methods
- (3) 6 credits following Remarks in Special Subjects
- (4) A total of 20 credits must be acquired, a doctoral thesis must be submitted and the final exam must be passed.

**Students that have graduated the Neural Computation Program will receive a “PhD in Engineering” .  
Students that have graduated the Neurosciences Program will receive a “PhD in Neurosciences”.**