10 Curriculum Table

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

○ : Open Term

			C	Opening year						Neur	Neu	
				2017		2018		2019		al Comp	roscie	
	Course Code	Subject	Credit	Spring	Autumn	Spring	Autumn	Spring	Autumn	Neural Computation program	Neurosciences program	Remarks
Introductory Subjects	PHIL 600	Scientific Research Ethics	2		0		0		0			
	BRSC 605	Advanced Brain Sciences I	1	0	0	0	0	0	0			Compulsory
	BRSC 606	Advanced Brain Sciences II	1	0	0	0	0	0	0			
Special Subjects	BRSC 607	Brain-type Learning Systems	2		0				0	*		At least,
	INFO 601	Communication Robot Engineering	2				0			*		choose a subject
	NESC 605	Pathological Neuroscience	2		0				0		*	of in your
	PSY 600	Psychophysics	2				0				*	program
	NESC 602	Advanced Systems Neuroscience	2	0		0		0		* 1		At least, choose a pair of %1, %2, %3, %4
	NESC 601	Systems Neuroscience Technique	2		0		0		0			
	NESC 600	Computational Neuroscience	2	0		0		0		*2		
	INFO 602	Computer Simulation Technique	2		0		0		0			
	NESC 604	Brain Image Analysis	2	0		0		0		*3		
	NESC 603	Neuroimaging Technique	2		0		0		0			
	BRSC 608	Developmental Science	2	0		0		0		*	4	
	BRSC 609	Developmental Science Technique	2		0		0		0	, , , ,		
Related Subjects	BRSC 600	Brain Sciences Research Method I	2	0								
	BRSC 601	Brain Sciences Research Method II	2		0							
	BRSC 602	Brain Sciences Research Method Ⅲ	2			0						Compulsory
	BRSC 603	Brain Sciences Research Method IV	2				0					
	BRSC 604	Brain Sciences Research Method Seminar	2					0				

■ 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".

11 Outline Image of the Curriculum

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

Research Methods (compulsory)

- Brain Sciences Research Method I (Research Survey)
 - **Brain Sciences**
- Research Method II (Research Planning)
- **Brain Sciences** Research Method ${\rm I\hspace{-.1em}I\hspace{-.1em}I}$ (Data Analysis)
- **Brain Sciences** Research Method IV (Thesis Writing)
- **Brain Sciences** Research Method Seminar

Introductory Subjects (compulsory)

- · Scientific Research Ethics
- Advanced Mind Sicences I / II

Special Subjects (optional)

Measurements and Analysis of Brain Sciences

- Computational Neuroscience
- · Computer Simulation Technique
- Advanced Systems Neuroscience
- Systems Neuroscience Technique

- Developmental Science
- Developmental Science Technique
- Brain Image Analysis
- Neuroimaging Technique

Neural computation Program

• Brain-type Learning Systems Communication Robot Engineering

Neurosciences Program

 Pathological Neuroscience **Psychophysics**