

10 | Curriculum Table

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

○ : Open Term

	Course Code	Subject	Credit	Opening year						Neurosciences program		Remarks
				2016		2017		2018		Neural Computation program		
				Spring	Autumn	Spring	Autumn	Spring	Autumn			
Special Subjects	COSC 601	Advanced Systems Neuroscience	2	○		○		○		※1	At least, choose a pair of ※1, ※2, ※3,※4	
	COSC 600	Systems Neuroscience Technique	1		○		○		○			
	INFO 601	Computational Neuroscience	2	○		○		○		※2		
	INFO 603	Computer Simulation Technique	1		○		○		○			
	COSC 614	Brain Image Analysis	2	○		○		○		※3		
	COSC 606	Neuroimaging Technique	1		○		○		○			
	COSC 616	Developmental Science	2	○		○		○		※4		
	PSY 602	Developmental Science Technique	1		○		○		○			
	INFO 602	Communication Robot Engineering	2		○		○		○	※	At least, choose 2 subjects of ※ in your program	
	COSC 615	Brain-type Learning Systems	2	○		○		○		※		
	INFO 612	Parallel Information Processing	2		○		○		○	※		
	PSY 601	Cognitive Science	2	○		○		○		※		
	COSC 604	Information Creation Science	2		○		○		○	※		
	COSC 602	The Impact of Brain Science on Social Sciences	2	○		○		○		※		
	COSC 612	Advanced Brain Sciences A (Robotics)	1	○	○	○	○	○	○	*	At least, choose a subject of * in your program	
	INFO 611	Advanced Brain Sciences B (Neural computation)	1	○	○	○	○	○	○	*		
	COSC 613	Advanced Brain Sciences C (Information creation)	1	○	○	○	○	○	○	*		
	INTD 600	Advanced Brain Sciences D (Social sciences)	1	○	○	○	○	○	○	*		
	Related Subjects	PHIL 600	Scientific Research Ethics	2	○		○		○			At least, choose a subject
PSY 600		Psychophysics	2	○		○		○				
ECON 600		Neuroeconomics	2	○		○		○				
COSC 603		Social System Control	2	○		○		○				
COSC 605		Neural KANSEI Engineering	2		○		○		○			
PHIL 601		Neuroethics	2		○		○		○			
COSC 617		Pathological Neuroscience	2		○		○		○			
BIOL 612		Advanced Molecular Life Science	2		○		○		○			
Research Methods	COSC 607	Brain Sciences Research Method I	2	○	○						Compulsory	
	COSC 608	Brain Sciences Research Method II	2		○	○						
	COSC 609	Brain Sciences Research Method III	2			○	○					
	COSC 610	Brain Sciences Research MethodIV	2				○	○				
	COSC 611	Brain Sciences Research Method Seminar	2					○	○			

■ Requirements for passing the course

- (1) 10 credits in Research Methods
- (2) At least 8 credits in Special Subjects and at least 2 credits in Related Subjects
- (3) The requirements in (1) and (2) must be fulfilled, 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”.