Doctoral Course

Subject Type		Subjects	Eligible Class Year	No. of Credits		No. of Required Credits	
				Compulsory	Compulsory Elective		
Common Graduate Subjects	Sustainable Development Subjects	SDGs Ideas Mining Seminar for Specialists	1・2・3		1	1 or more credits	2 or more credits
		Seeking Universal Peace	1・2・3		1		
		Atomic Bomb Literature, War Literature and Peace -Based on Experience of Atomic Bomb Survivors and Concentration Camps' Prisoners	1・2・3		1		
	Career Development and Data Literacy Subjects	Data Science	1・2・3		2	1 or more credits	
		Pattern Recognition and Machine Learning	1・2・3		2		
		Pathway to becoming a Data Scientist	1・2・3		1		
		Utilization of Data Literacy in Medicine	1・2・3		1		
		Skills and Arts of Leadership	1・2・3		1		
		Career Management Seminar	1・2・3		1		
		Innovation Practice	1・2・3		2		
		Long-term internship	1・2・3		2		
		Introduction to business creation	1・2・3		1		
Practical Knowledge Development Module		Management and Entrepreneurship	1・2・3		1	1 or more credits	
		Technology Strategy and R&D Management	1・2・3		1		
		Academic Writing II	1・2・3		1		
		Advanced Internship	1・2・3		2		
		Advanced Fieldwork	1・2・3		2		
		Academic Research Overseas for Smart Socity	1・2・3		2		
		Science Seminar for Smart Society B	1・2・3		2		
Dissertation Module		Seminar on Doctoral Dissertation	1～3	12		12 credits	

【Registration Method and Completion Requirements】
 To complete the doctoral course, students must earn a total of 17 or more credits in accrdance with the requirements listed below, receive necessary research guidance, and pass the doctoral dissertation review and the final examination.

Minimum credits required for competion: 17 credits
(1) Common Graduate Subjects：2 or more credits, including:
 − Sustainable Development Subjects：1 or more credits
 − Career Development and Data Literacy Subjects：1 or more credits
(2) Practical Knowledge Development Module：1 or more credits
(3) Practical Knowledge Application Module: 2 or more credits
(4) Dissertation Module：12 credits