

Transdisciplinary Science and Engineering Program 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
		Regional development seminar from the viewpoint of the SDGs	1·2·3		1	
		Seeking Universal Peace	1·2·3		1	
	Career Development and Data Literacy Subjects	Data Science	1·2·3		2	1 or more
		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 for Highly Skilled Innovators	1·2·3		1	
		Introduction to business creation	1·2·3		1	
Innovation Practice	1·2·3		2			
Long-term internship	1·2·3		2			
Common Graduate School Subjects	Internationalism	Academic Writing II	1·2·3		1	1 or more
		Academic Research Overseas	1·2·3		2	
	Sociality	Management and Entrepreneurship	1·2·3		1	1 or more
		Technology Strategy and R&D Management	1·2·3		1	
		Introduction to Advanced Technology Management	1·2·3		1	
		Future Creation Thinking (Advanced)	1·2·3		1	
		Long-term Internship	1·2·3		2	
Subjects Specialized for the	Special Study of Advanced Science and Engineering Transdisciplinary Science and Engineering	1~3	12		12 or more	

【Registration Method and Completion Requirements】

To complete your doctoral course, you need to earn 16 or more credits based on the following requirements, receive necessary research guidance, and pass the doctoral thesis screening and the final examination.

Necessary No. of Credits for Completing Your Course: 16 or more credits

(1) Common Subject for the HU Graduate Schools: 2 or more credits

- Sustainable Development Subject: 1 or more credits

- Career Development and Data Literacy Subject: 1 or more credits

(2) Common Subject for the Graduate School: 2 or more credits

- Internationalism: 1 or more credits

- Sociality: 1 or more credits

(3) Subject Specialized for the Program: 12 or more credits

(Note) Eligible Class Year

1~3: Register in the first, second, and third years; 1·2·3: Register regardless of your year