

別表 II(第 13 条関係)

Doctoral Program
Co-creative Engineering

Category	Subject	Type Of Class	Credits	1st Year				2nd Year				3rd Year			
				1st Semester		2nd Semester		1st Semester		2nd Semester		1st Semester		2nd Semester	
				1st quarter	2nd quarter	3rd quarter	4th quarter	1st quarter	2nd quarter	3rd quarter	4th quarter	1st quarter	2nd quarter	3rd quarter	4th quarter
Required Subject	Advanced Experiment	E	6	6											
	Advanced Seminar	S	2	2											
I Elective Required Subject	Thermal and Fluids Engineering	L	1				1								
	Advanced Design and Manufacturing I	L	1	1											
	Advanced Design and Manufacturing II	L	1		1										
	Advanced Topics in Intelligent and Biomechanical Systems Engineering	L	1			1									
	Medical Engineering Seminar	L	1				1								
	Advanced Distributed Energy Systems	L	1			1									
	Advanced Course of Electrochemical Materials	L	1				1								
	Advanced Construction Material Engineering	L	1	1											
	Advanced Structural System Mechanics	L	1		1										
	Advanced Geosphere Engineering I	L	1	1											
	Advanced Geosphere Engineering II	L	1		1										
	Advanced and Innovative Hydraulic Engineering	L	1			1									
	Advanced Water Resources, Environmental and Innovative Engineering	L	1		1										
	Advanced Mobility Management Engineering	L	1				1								
	Advanced Glaciology	L	1			1									
	Advanced Environmental Science and Gas Hydrate Engineering	L	1		1										
	Advanced topics on wave information and communication systems I	L	1	1											
	Advanced topics on wave information and communication systems II	L	1			1									
	Advanced lecture on data science I	L	1	1											
	Advanced lecture on data science II	L	1			1									
	Advanced topics in optics I	L	1	1											
Advanced topics in optics II	L	1			1										
Advanced application of information mathematics	L	1				1									

Applied Chemistry	Advanced Lecture on Fine Synthetic Chemistry	L	1		1											
	Advanced Materials Engineering I	L	1			1										
	Advanced Materials Engineering II	L	1				1									
	Advanced Biotechnology and Food Engineering I	L	1		1											
	Advanced Biotechnology and Food Engineering II	L	1			1										
	Advanced Resources and Environmental Chemistry	L	1				1									
II	Internship	E	1			1										
	Comprehensive Lecture	L	1			1										
	Advanced practice on data science	S	1			1										
	Advanced Lecture on Humans and Culture I	L	1	1												
	Advanced Lecture on Humans and Culture II	L	1		1											
	Advanced Lecture on Humans and Culture III	L	1			1										
	Innovation Management Special Lecture I	L	1			1										
	Innovation Management Special Lecture II	L	1				1									
Total			45		45			0						0		

Mode: Lecture = L, Experiment = E, Seminar=S,

Graduation Requirements:

Required Subject: 8 Credit Hours
 Elective Required Subject: 6 Credit Hours
 Total: 14 Credit Hours

Conditions:

1. Out of 6 Credit Hours of Elective Required Subject, a student must take at least 2 Credit Hours from Category I and 2 Credit Hours from Category II.
2. Out of 6 Credit Hours of Elective Required Subject, a student can take up to 2 Credit Hours from other Graduate Schools.