

Requirements for Program Completion

Master's Program in Risk and Resilience Engineering (MP-R2E)

【Requirements of MP-R2E】

Course Category		Required Courses	Credits	Electively Required Courses	Credits
Graduate General Education Courses Interdisciplinary Foundation Courses	Foundation Subjects for Major	•Introduction to Risk and Resilience Engineering	1	Interdisciplinary Foundation Courses	0~10
Degree Programs' Common Courses [Course Number Range] 0AL0*** ~ 0AL9***	Foundation Subjects for Major		0	Degree Programs' Common Courses – Foundation Subjects for Major	16~
	Major Subjects		0	Degree Programs' Common Courses – Major Subjects	
Program's Courses [Course Number] 0ALC*** (Note 1)	Foundation Subjects for Major	•Fundamentals of Risk and Resilience Engineering	1		0
	Major Subjects	•Seminar in Risk and Resilience Engineering I •Seminar in Risk and Resilience Engineering II •Research in Risk and Resilience Engineering I •Group Project Based Learning in Risk and Resilience Engineering	9	•Research in Risk and Resilience Engineering II •Project Research in Risk and Resilience Engineering (Taking one of the subjects above is required) Risk and Resilience Engineering Associated Courses – Major Subjects	3~5
Subtotal Number of Credits		Required Courses	11	Electively Required Courses	19~
Required Number of Total Credits and Graduation Requirements		<p>Required Number of Total Credits: 30 credits or more</p> <p>Graduation Requirements: The degree (Master of Engineering) is granted to the students who have earned 30 credits as specified in the table and have passed the review of the Master's Thesis (or Project Research) and the final examination. The final examination is based on the achievement evaluation.</p> <p>Note 1: Courses other than Risk and Resilience Engineering Associated Courses in Program's Courses cannot be included in the credits needed for graduation.</p> <p>Note 2: Up to 10 credits earned from the following courses may be included in the set of the required credits in Foundation Subjects for Major for the degree with the preliminary approval of the academic supervisor based on the course record of the relevant student.</p> <p>(1) Courses in Other Degree Programs (2) Interdisciplinary Foundation Courses (3) Graduate General Education Courses</p>			

[Reference] Degree Programs in Systems and Information Engineering
Course numbering system

:They can be included in the credits needed for graduation.

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Course Number Range							Course Category									
1	2	3	4	5	6	7	1	2	3	4		5			6	7
0	A	L	0~4	0	0~9 A~Z	0~9 A~Z	Graduate School	Master's Programs	Degree Programs in Systems and Information Engineering	Degree Programs' Common Courses	Foundation Subjects for Major	Foundation Subjects for Major	Common			Serial number for each category
				PPS Associated Courses												
				SE Associated Courses												
				R2E Associated Courses												
				CS Associated Courses												
				IMIS Associated Courses												
				EME Associated Courses												
				EMP Associated Courses												
				Currently unused												
			5~9	0	Major Subjects	Major Subjects					Common					
				PPS Associated Courses												
				SE Associated Courses												
				R2E Associated Courses												
				CS Associated Courses												
				IMIS Associated Courses												
				EME Associated Courses												
				EMP Associated Courses												
				Currently unused												
			A	0~4	Program's Courses	PPS Associated Courses				Foundation Subjects for Major						
				5~9						Major Subjects						
				A~Z						Currently unused						
			B	0~4		SE Associated Courses				Foundation Subjects for Major						
				5~9						Major Subjects						
				A~Z						Currently unused						
			C	0~4		R2E Associated Courses				Foundation Subjects for Major						
				5~9						Major Subjects						
				A~Z						Currently unused						
			D	0~4		CS Associated Courses				Foundation Subjects for Major						
				5~9						Major Subjects						
				A~Z						Currently unused						
			E	0~4		IMIS Associated Courses				Foundation Subjects for Major						
				5~9						Major Subjects						
				A~Z						Currently unused						
			F	0~4		EME Associated Courses				Foundation Subjects for Major						
				5~9						Major Subjects						
				A~Z						Currently unused						
			G~Z	0~9 A~Z		Currently unused				Currently unused						

* To avoid confusion with numbers, the letters "I" and "O" are not used in the 4th to 6th digits.