

Requirements for Program Completion

Doctoral Program in Policy and Planning Sciences (DPPS)

【Requirements of DPPS】

Course Category		Required Courses	Credits	Electively Required Courses	Credits
Program's Courses	Major Subjects	Special Doctoral Seminar in Policy and Planning Sciences I Special Doctoral Seminar in Policy and Planning Sciences II Special Doctoral Seminar in Policy and Planning Sciences III Special Doctoral Seminar in Policy and Planning Sciences IV Special Doctoral Research Work in Policy and Planning Sciences I Special Doctoral Research Work in Policy and Planning Sciences II	12	PPS Associated Courses (Except the subjects listed on the left)	8~
Others	Major Subjects			(1) Degree Programs' Common Courses in Doctoral Program (2) Courses in Master's Program (3) Courses in Other Degree Programs (4) Interdisciplinary Foundation Courses (5) Graduate General Education Courses ※	
Subtotal Number of Credits		Required Courses	12	Electively Required Courses	8~
Required Number of Total Credits and Graduation Requirements		Required Number of Total Credits: 20 credits or more Graduation Requirements: The DPPS degree is granted to the students who have earned 20 credits as specified in the table and have passed the review of the Doctoral Thesis and the final examination. ※Note: For the credits from (1)~(5), you need to get preliminary approval of the academic advisor who considers course record of the relevant student.			

Requirements for Program Completion

Doctoral Program in Risk and Resilience Engineering (DP-R2E)

【Requirements of DP-R2E】

Course Category		Required Courses	Credits	Electively Required Courses	Credits
Program's Courses	Major Subjects	•Advanced Seminar in Risk and Resilience Engineering •Advanced Research in Risk and Resilience Engineering	8	Risk and Resilience Engineering Associated Courses – Major Subjects	4~
Subtotal Number of Credits		Required Courses	8	Electively Required Courses	4~
Required Number of Total Credits and Graduation Requirements		Required Number of Total Credits: 12 credits or more Graduation Requirements: The degree (Ph.D. in Engineering) is granted to the students who have earn 12 credits as specified in the table and have passed the review of the Doctoral Thesis and the final examination. The final examination is based on the achievement evaluation. Note: The credits earned from the following subjects may be included in the set of the required credits in Major Subjects for the degree with the preliminary approval of the academic supervisor based on the course record of the relevant student. (1) Degree Programs' Common Courses in Doctoral Program (2) Courses in Master's Program (3) Courses in Other Degree Programs (4) Interdisciplinary Foundation Courses (5) Graduate General Education Courses			

Requirements for Program Completion

Doctoral Program in Risk and Resilience Engineering (DP-R2E)

○ Day and Evening Class Program (For working students at Tokyo Campus)

【Requirements of DP-R2E (Day and Evening Class Program)】

Course Category		Required Courses	Credits	Electively Required Courses	Credits
Program's Courses	Major Subjects	•Advanced Seminar in Risk and Resilience Engineering •Advanced Research in Risk and Resilience Engineering	8	Risk and Resilience Engineering Associated Courses – Major Subjects	4~
Subtotal Number of Credits		Required Courses	8	Electively Required Courses	4~
Required Number of Total Credits and Graduation Requirements		Required Number of Total Credits: 12 credits or more Graduation Requirements: The degree (Ph.D. in Engineering) is granted to the students who have earn 12 credits as specified in the table and have passed the review of the Doctoral Thesis and the final examination. The final examination is based on the achivement evaluation. Note: The credits earned from the following courses may be included in the set of the required credits in Major Subjects for the degree with the preliminary approval of the academic supervisor based on the course record of the relevant student. (1) Degree Programs' Common Courses in Doctoral Program (2) Courses in Master's Program (3) Courses in Other Degree Programs (4) Interdisciplinary Foundation Courses (5) Graduate General Education Courses			

Requirements for Program Completion

Doctoral Program in Computer Science (DP-CS)

【Requirements of DP-CS】

Course Category		Required Courses	Credits	Electively Required Courses	Credits
Program's Courses	Major Subjects	•Research in Computer Science <u>or</u> Research in Computer Science s and f •Computer Science Seminar A <u>or</u> Computer Science Seminar As and Af Note: Students who enrolled in October must take Research in Computer Science s and f, and Computer Science Seminar As and Af.	8	Program's Courses (Computer Science Associated Courses) Major Subjects (Except the Required Courses listed on the left)	2~
Required Number of Total Credits and Graduation Requirements		The degree (Ph.D. in Engineering) is granted to the students who have earned 10 credits as specified in the table and have passed the review of the Doctoral Thesis and the final examination. Note: The credits earned from the following courses may be included in the set of the required credits in Major Subjects. The preliminary approval of the academic supervisor is required. (1) Degree Programs' Common Courses in Doctoral Program (2) Courses in Master's Programs (3) Courses in Other Degree Programs (4) Interdisciplinary Foundation Courses (5) Graduate General Education Courses			

Requirements for Program Completion

Doctoral Program in Intelligent and Mechanical Interaction Systems (DP-IMIS)

【Requirements of DP-IMIS】

Course Category		Required Courses	Credits	Electively Required Courses	Credits
Interdisciplinary Foundation Courses Graduate General Education Courses	Foundation Subjects for Major			Graduate General Education Courses* Interdisciplinary Foundation Courses* Courses in Other Degree Programs*	0
Degree Programs' Common Courses	Foundation Subjects for Major			Courses Associated With Other Programs*	0
	Major Subjects			Courses Associated With Other Programs*	0
Program's Courses	Foundation Subjects for Major				
	Major Subjects	•Research in Intelligent and Mechanical Interaction Systems A •Research in Intelligent and Mechanical Interaction Systems B •Research in Intelligent and Mechanical Interaction Systems C •Research Paper Presentation Workshop in Intelligent and Mechanical Interaction Systems I	10	•Research Paper Presentation Workshop in Intelligent and Mechanical Interaction Systems II •International Conference Paper Presentation Workshop in Intelligent and Mechanical Interaction Systems •Collaboratory Research Workshop in Intelligent and Mechanical Interaction Systems III, IV * •Research Proposal Writing Workshop in Intelligent and Mechanical Interaction SystemsIII, IV *	2 0
Required Number of Total Credits and Graduation Requirements		The degree (Ph.D. in Engineering) is granted to the students who have earned 12 credits as specified in the table and have passed the review of the Doctoral Thesis and the final examination.			

* They cannot be included in the credits needed for graduation.

Requirements for Program Completion

Doctoral Program in Engineering Mechanics and Energy (DP-EME)

【Requirements of DP-EME】

Course Category	Required Courses	Credits	Electively Required Courses	Credits
Major Subjects	•Seminar in Engineering Mechanics and Energy •Research in Engineering Mechanics and Energy Note: Students who enrolled in October should take the following courses. •Seminar in Engineering Mechanics and Energy A •Seminar in Engineering Mechanics and Energy B •Research in Engineering Mechanics and Energy A •Research in Engineering Mechanics and Energy B	8	Courses Associated With Other Programs Degree Programs' Common Courses in Doctoral Program Courses in Master's Program	0~2
Subtotal Number of Credits	Required Courses	8	Electively Required Courses	2~
Required Number of Total Credits and Graduation Requirements	Required Number of Total Credits: 10 credits or more Graduation Requirements: The degree (Ph.D. in Engineering) is granted to the students who have earned 10 credits as specified in the table and have passed the review of the Doctoral Thesis and the final examination. The final examination is based on the achievement evaluation. You can take the Master's Program Courses and include them in the graduation requirements with the approval of the academic supervisor. Note: Up to 2 credits earned from the following subjects may be included in the set of the required credits in Major Subjects for the degree. They should be approved preliminary by the academic supervisor who consider the course record of the relevant student. (1) Courses in Other Degree Programs (2) Interdisciplinary Foundation Courses (3) Graduate General Education Courses			

Requirements for Course Completion

Degree Programs in Systems and Information Engineering

Master's and Doctoral Programs in Risk and Resilience Engineering

Master's and Doctoral Programs in Engineering Mechanics and Energy

Resilience Nuclear Study Course

(Nuclear Regulation Human Resource Development Program based on Risk and Resilience Study)

【Requirements for Course Completion】

Course Groups		Credits
Comprehensive Subjects ※1		2～
Major Subjects	Foundation Studies	6～ ※2
	Environment and Energy	
	Nuclear Energy ※2	
	Earthquake and Tsunami	
	Risk Communication ※2	
	Disaster Prevention and Reduction	
Required Number of Total Credits and Graduation Requirements	Required Number of Total Credits: 8 credits or more Graduation Requirements: The students who have met the graduation requirements of the degree programs they belong to and have earned 8 credits as specified in the table shall be regarded to complete this course and awarded the Certificate of Completion. ※1 The credits of the Graduate General Education Courses can be included in Comprehensive Subjects. ※2 You must take at least 2 credits from Course Groups of "Nuclear Energy" or "Risk Communication". (Note: "Advanced Lecture on Nuclear Safety (1 credit)" must be included.)	