By-Laws for the Completion, Appended Table (Related to Article 4, and 5)

Master's Course

Subject Type		Subjects	Eligible Class Year	No. of Credits		No. of Required Credits	
				Compulsory	Compulsory Elective		
Common Graduate Subjects	Sustainable Development Subjects	World Peace and HIROSHIMA	1・2		1	1 or more credits	2 or more credits
		Considering "Peace" through Atomic Bomb Literature and Arts -Based on Experience of Atomic Bomb Survivors	1・2		1		
		Japanese Experience of Social Development- Economy, Infrastructure, and Peace	1・2		1		
		Japanese Experience of Human Development-Culture, Education, and Health	1・2		1		
		Academic approach to SDGs - A	1・2		1		
		Academic approach to SDGs - B	1・2		1		
		Practical Approach to SDGs	1・2		1		
		Understanding diversity and Inclusion	1・2		1		
		Crimate Change Adaptation and Mitigation	1・2		1		
		Innovation and Practice for Smart Society	1・2		1		
	Career Development and Data Literacy Subjects	Data Literacy	1・2		1	1 or more credits	
		Data Literacy in Medicine	1・2		1		
		Advanced Career Management	1・2		2		
		Stress Management	1・2		2		
		Information security	1・2		1		
		Introduction to MOT	1・2		1		
		Entrepreneurship	1・2		1		
		Introduction to Informatics I	1・2		1		
		Introduction to Informatics II	1・2		1		
		Introduction to Basic Science Researcher	1・2		1		
		Career Management Course for International Students A	1・2		1		
		Career Management Course for International Students B	1・2		1		
Basic Module		Arts & Science for Evidence-Based Decision Making	1・2		2	4 or more credits	
		Research Methods	1・2		2		
		Data Visualization A	1・2		1		
		Data Visualization B	1・2		1		
		Data Analytics for Sustainable Development	1・2		2		
		Geographic Information System Technology	1・2		2		
		Practical Machine Learning	1・2		2		
		Artificial and Natural Intelligence	1・2		2		
		Academic Writing I	1・2		1		
Specialization Module		Advanced Natural Language Processing	1・2		2	14 or more credits	
		Advanced Learning Systems	1・2		2		
		Advanced Biosystems Engineering	1・2		2		
		Advanced Data-driven Systems Design	1・2		2		
		Advanced Smart Sensing	1・2		2		
		Advanced Robotics	1・2		2		
		Transportation Engneering	1・2		2		
		Transportation Planning	1・2		2		
		Fundamentals of Survey Methodology	1・2		2		
		Infrastructure and Regional Planning	1・2		2		
		Smart Urban Development	1・2		2		
		Environmental Health Science	1・2		2		
		Environmental Epidemiology	1・2		2		
		Advanced Energy Plant	1・2		2		
		Advanced Thermal Engineering	1・2		2		
		Energy Science and Technology	1・2		2		
		Biomass Energy Technology	1・2		2		
		Advanced Environmental Systems Engineering	1・2		2		
		Advanced Energy Conversion Systems	1・2		2		
		Sustainable Architecture A	1・2		2		
		Assisted Reproductive Technology for Animal Production	1・2		1		
		Molecular Genetics for Animal Production	1・2		1		
		Smart Livestock Farming	1・2		1		
		Smart Crop Production	1・2		1		
		Sustainable Marine Environment	1・2		1		
		Sustainable Production of Fisheries Resources	1・2		1		
		Microbiology for Food Safety	1・2		1		
		Food Science and Brain Health	1・2		1		
		Exercises in Smart Agriculture I	1・2		1		
		Exercises in Smart Agriculture II	1・2		1		
		Botany Resources for the Future	1・2		2		
		Management and Conservation of Ecosystems	1・2		2		

Subject Type	Subjects	Eligible Class Year	No. of Credits		No. of Required Credits
			Compulsory	Compulsory Elective	
Specialization Module	Introduction and Topics in Environmental Genomics and Ecology	1・2		1	14 or more credits
	Epidemiology and Disease Prevention	1・2		2	
	Lecture on Oral Health Sciences	1・2		2	
	Global Health Challenges and Solutions 1	1・2		2	
	Global Rehabilitation	1・2		2	
	Seminar on Health Policy & Global Health	1・2		1	
	Basic Biostatistics and Basic Clinical Statistics	1・2		1	
	Exercise and Seminar on Epidemiological Research and It's Analysis	1・2		2	
	Basic Epidemiology and Practice	1・2		2	
	Applied Econometrics Ⅰ	1・2		2	
	Applied Econometrics Ⅱ	1・2		2	
	Development Microeconomics Ⅰ	1・2		2	
	Development Microeconomics Ⅱ	1・2		2	
	Development Macroeconomics Ⅰ	1・2		2	
	Development Macroeconomics Ⅱ	1・2		2	
	Agriculture Production Economics	1・2		2	
	Peace, Conflict, and the Environment	1・2		2	
	Urban Policy	1・2		2	
	Remote Sensing for Social Sciences	1・2		2	
Practical Module	Internship	1・2		2	2 or more credits
	Fieldwork	1・2		2	
	Young Professionals Preparing for Careers in International Organizations A	1・2		2	
	Young Professionals Preparing for Careers in International Organizations B	1・2		2	
	Developing Designing Ability	1・2		2	
Master thesis Module	Seminar on Master Thesis	1～2	4		4 credits
Subjects Specialized for Other Graduate School					4 or more credits

【Registration Method and Completion Requirements】

To complete your master's course, you need to earn 30 or more credits based on the following requirements, receive necessary research guidance, and pass the master's thesis screening and the final examination or the qualifying examination for research in the doctoral course.

Necessary No. of Credits for Completing: 30 or more credits

(1) Common Graduate Subjects : 2 or more credits
- Sustainable Development Subject: 1 or more credits
- Career Development and Data Literacy Subject: 1 or more credits

(2) Basic Module Subjects : 4 or more credits
- Recommended to obtain 2 or more credits from「Geographic Information System Technology」,「Practical Machine Learning」and「Artificial and Natural Intelligence」
- Recommended to obtain 2 or more credits from「Arts & Science for Evidence-Based Decision Making」,「Research Methods」,「Data Visualization A」,「Data Visualization B」,「Data Analytics for Sustainable Development」and「Academic Writing I」

(3) Specialization Module: 14 or more credits

(4) Practical Module: 2 or more credits

(5) Master thesis Module: 4 credits

(6) Subjects Specialized for Other Graduate Schools: 4 or more credits