



		Master's degree program				Doctoral degree program				Credits required to complete TAC-MI		
		M1		M2		D1		D2			D3	
		3,4Q	1,2Q	3,4Q	1,2Q	3,4Q	1,2Q	3,4Q	1,2Q		3,4Q	1,2Q
TAC-MI Courses	Required courses	It is highly recommended that you complete general education courses "Fundamentals of artificial intelligence" and "Exercises in fundamentals of artificial intelligence" (1 credit)		Basic Materials Informatics (1 credit) Materials Simulation(2 credits) Materials Informatics (2 credits)	Materials-Informatics Interdisciplinary Research Skills (2 credits)	Doctoral R&D and Business Strategies of Global Companies (1 credit)	Practice School in Materials Informatics I & II (4 credits) (Off-Campus Project in Materials Informatics (4 credits, Practice School Alternative Course))	In the Practice School, you will stay in the company for about 6 weeks, and the team will solve the company's cutting-edge issues. (Alternatively, you can apply for an Off-Campus staying at an overseas university etc. for more than 3 months only under unavoidable circumstances.) These courses can be considered as Entrepreneurship (Carrier Development) Courses that are required to complete the curriculum in own course.				12
	Electives	Fundamentals of artificial intelligence (1 credit) Exercises in fundamentals of artificial intelligence (1 credit)		Visit labs in different fields to conduct research. The timing of the visit will be determined in consultation with the visiting laboratory. Due to the transition to a new course, please try to finish as much as possible in AY2024.		This course is available only to students who enrolled in the International Graduate Program. Students who are not listed above must take the "Advanced Course of Social Service Creation".		Short-Term Off-Campus Project in Materials Informatics I or II (1 credit or 2 credits)	Short-Term Off-Campus is available to those who have completed the Practice School. Stay at an overseas university etc. for 2 weeks or more (1 credit) or 1 month or more (2 credits). Since the course is held every semester, you can take the course in one of the semesters until you complete the doctoral degree program.			0
Courses designated by TAC-MI (*1)	Creativity Enhancement (Recommended courses)	Study on Japanese Companies and Industries I (1 credit)		Most of Entrepreneurship (Carrier Development) Courses and Humanities and Social Science Courses , which are required to complete the curriculum in own course, are courses designated by TAC-MI. If you take the course before enrolling in TAC-MI, the course after enrollment will proceed smoothly.								0
	Social Service Creation	Global Communication (1 credit)		* Many courses are designated, but typically, Liberal Arts Courses designated by TAC-MI in the master's program do not include "Area Studies" courses.								1
	Leadership Development	Basic Japanese 1 (1 credit) Basic Japanese 2 (1 credit)		Essence of Humanities and Social Sciences 20: Western Thought (1 credit)		Doctoral Essential Course of Group Work for Leadership (1 credit)						2
	Liberal Arts	If international students take " Japanese Language and Culture Courses ", they will be recognized as credits of Liberal Arts Courses designated by TAC-MI of the corresponding level courses.				Cross-Boundary Liberal Arts Course (2 credits)				In addition to the examination of our own course, we will conduct the completion examination as TAC-MI.		5
	Credits required to complete TAC-MI	3	2	5	2	2	6	0	0	0	0	20
Events etc.	Examinations	Enrollment Examination (Jul) Enroll in TAC-MI		Entrance Exam for doctoral course (Sep)		Qualifying Examination for doctoral students pursuing research at TAC-MI (QE) (Dec)		In Self-designed thesis, you create a separate thesis from your doctoral dissertation on your own theme. Give an oral presentation in D2 either in the Results Presentation or the International Forum.		Complete course examination		
	Events (*2)	Congratulations on passing! In addition to the examination of your own course, we will conduct a TAC-MI examination when entering the doctoral degree program.		Presentation about Individual Research Results (Jun) [Recommended participation] Presentation about Individual Research Results (Sep) [Required participation (Presentation)]		International Forum (Dec) [Required participation (Presentation)] Intelligent Services: a Social Perspective (Dec) [Required participation (Group work)]		Presentation about Individual Research Results (Jun) [Required participation (Presentation)] Presentation about Individual Research Results (Sep) [Recommended participation]		International Forum (Dec) [Required participation (Operation)] Intelligent Services: a Social Perspective (Dec) [Required participation (Observer)] Presentation about Individual Research Results (Jun) [Required participation (Presentation or Operated by some students)] Presentation about Individual Research Results (Sep) [Recommended participation (Operated by some students)]		Congratulations on completing! The submission deadline is nine months before completion.
Curriculum in own course	Study (*3)	Research Seminars (8 credits) Major Courses (more than 12 credits) Humanities and Social Science Courses (more than 3 credits) Entrepreneurship (Carrier Development) Courses (more than 2 credits)		Master's thesis in own course		Research Seminars (12 credits) Major Courses (more than 4 credits) Humanities and Social Science Course (more than 2 credits) Entrepreneurship (Carrier Development) Course (more than 4 credits)		Doctoral dissertation in own course				
	Examinations			Final exam of Master Entrance exam of PhD in own course						PhD thesis defense Final exam of PhD in own course		

(*1) Choose the courses designated by TAC-MI from Table 3 of the study guide. This table shows an example.

(*2) The International Forum and Workshop "Intelligent Services: a Social Perspective" will be discontinued in 2025 and other alternative events will be held in a different format.

(*3) This is an example of a certain course. Be sure to check the requirements for completing your own course, as they vary by course.