



		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".		Materials-Informatics Interdisciplinary Research Skills (2 credits)		Basic Materials Informatics (1 credit) Materials Simulation(2 credits) Materials Informatics (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			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.		"Basic Materials Informatics", "Materials Simulation" and "Materials Informatics" are courses that should be taken during the master's program. However, these courses are 3Q and 4Q courses. <u>If students who enter Tokyo Tech in September enroll in TAC-MI in the spring of M2, they will take these courses as a special case after entering the doctoral program (3Q, 4Q).</u>		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)	Fundamentals of artificial intelligence (1 credit) Exercises in fundamentals of artificial intelligence (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. * Many courses are designated, but typically, Liberal Arts Courses designated by TAC-MI in the master's program do not include "Area Studies" courses.		"Doctoral R&D and Business Strategies of Global Companies" is available only to students who enrolled in the International Graduate Program. Students who are not listed above must take the						0				
	Social Service Creation	Study on Japanese Companies and Industries I (1 credit)										1				
	Leadership Development	Global Communication (1 credit)		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.		Doctoral Essential Course of Group Work for Leadership (1 credit)				Like the master's degree program, many of Entrepreneurship (Carrier Development) Courses and Humanities and Social Science Courses , which are required to complete curriculum in own courses, are courses designated by TAC-MI. Please proceed with the course plan while checking the courses designated by TAC-MI.		2				
	Liberal Arts	Basic Japanese 1 (1 credit) Basic Japanese 2 (1 credit)		Essence of Humanities and Social Sciences 20: Western Thought (1 credit)				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	0	2	7	6	0	0	0	0	20				
Events etc.	Examinations			Enrollment Examination (Dec-Jan) 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)			In addition to the examination of your own course, we will conduct a TAC-MI examination when entering the doctoral degree program. Congratulations on passing!		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)		Self-Designed Thesis		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.