

Breadth courses

Aiming to foster individuals who can contribute to the betterment of society through science and technology, Tokyo Tech strongly encourages all students to study abroad or to gain other international experiences by the time they have completed their master's programs. Through international experiences, students are expected to develop global perspectives, appreciation for diversity, and the ability to communicate with people from various backgrounds.

Tokyo Tech offers breadth courses to cultivate students' global awareness. Such courses in the 400- to 600-levels are open to graduate-level students in all Schools at Tokyo Tech. Overseas training activities, practical courses taught by foreign instructors, and courses based on group-work activities are among the breadth courses offered. Most of the courses are conducted in English.

For details, please refer to the syllabi.

Table 1: Master's Degree Program courses (400 and 500 levels)

Course category	Course number	Course title	Credits	Competencies	Comments
400 level	LAW.X401	★ Science Communication for Global Talents - □ Overseas Programme	1-1-0	1,2,4,5	
	LAW.X402	★ Introduction to EdTech: Online Courses	1-0-0	1,2,3,5	Suspended in AY 2018
	LAW.X403	★ Introduction to EdTech: Video-Making	0-1-0	1,2,3,4,5	Suspended in AY 2018
	LAW.X406	★ Fieldwork Skills Spring	0-1-0	1,2,4	Suspended in AY 2018
	LAW.X407	★ Fieldwork Skills Fall	0-1-0	1,2,4	Suspended in AY 2018
	LAW.X408	★ Think Aloud	0-2-0		Suspended in AY 2018
	LAW.X409	★ Advanced Technology in Emerging Fields 1	2-0-0		Suspended in AY 2018
	LAW.X410	★ Advanced Technology in Emerging Fields 2	1-0-0		Suspended in AY 2018
	LAW.X411	★ Study on Japanese Companies and Industries I	0-1-0	1,2,5	
	LAW.X412	★ Study on Japanese Companies and Industries II	0-1-0	1,2,5	
	LAW.X414	★ Technical Management for Sustainable Engineering	2-0-0	1,3,5	
	LAW.X415	★ HighTech Japan	1-0-0	3	
	LAW.X416	★ Modern Japan	1-0-0	1,2,4,5	
	LAW.X417	★ Sustainable Engineering Technology	1-1-0	1,2,4,5	
	LAW.X418	★ Communication Skills in Japanese Industries I	0-1-0	1,2	
	LAW.X419	★ Communication Skills in Japanese Industries II	0-1-0	1,2	
	LAW.X420	★ Japan Studies I	2-0-0	1,2,5	
	LAW.X421	★ Global Leadership Training	0-0-1	1,2,4,5	

	LAW.X422	★	Japan Studies II	2-0-0	1,2,5	
	LAW.X423	★	Technology and Product in Context	0-1-0	1,4,5	
	LAW.X424	★	Tokyo Tech Winter Program Research Exchange Project	0-0-2	1,2,3,4,5	
	LAW.X425	★	Global Leadership Practice	0-1-0	2,4,5	
	LAW.X426	★	Tokyo Tech Summer Program Research Exchange Project	0-0-2	1,2,3,4,5	
	LAW.X427	★	Our Climate Future	1-0-0	3,4,5	
	LAW.X428	★	Resource Efficiency and Circular Economy	2-0-0	3,4,5	
	LAW.X491		Fundamentals of Humanity A	2-0-0	2,4	
	LAW.X492		Fundamentals of Humanity B	2-0-0	2,4	
500 level	LAW.X501	★	International Research Program 1A	0-0-1	1,2,5	
	LAW.X502	★	International Research Program 1B	0-0-1	1,2,5	
	LAW.X503	★	International Research Program 2A	0-0-2	1,2,5	
	LAW.X504	★	International Research Program 2B	0-0-2	1,2,5	
	LAW.X505	★	International Research Program 3A	0-0-4	1,2,5	
	LAW.X506	★	International Research Program 3B	0-0-4	1,2,5	
	LAW.X507	★	Advanced Overseas Training for Global Scientists and Engineers1A	0-0-1	4,5	
	LAW.X508	★	Advanced Overseas Training for Global Scientists and Engineers1B	0-0-1	4,5	
	LAW.X509	★	Advanced Overseas Training for Global Scientists and Engineers2A	0-0-2	4,5	
	LAW.X510	★	Advanced Overseas Training for Global Scientists and Engineers2B	0-0-2	4,5	
	LAW.X511	★	Advanced Overseas Training for Global Scientists and Engineers3A	0-0-3	4,5	
	LAW.X512	★	Advanced Overseas Training for Global Scientists and Engineers3B	0-0-3	4,5	
	LAW.X513	★	Advanced Overseas Training for Global Scientists and Engineers4A	0-0-4	4,5	
	LAW.X514	★	Advanced Overseas Training for Global Scientists and Engineers4B	0-0-4	4,5	
<p>Note :</p> <ul style="list-style-type: none"> ★ : offered in English in principle, O : odd academic years, E : even academic years □ : Course recognized as equivalent to that of the Academy for Co-creative Education of Environment and Energy Science (ACEEES). Competencies: 1 = Intercultural skills; 2 = Communication skills; 3 = Specialist skills; 4 = Critical thinking skills; 5 = Practical and/or problem-solving skills The character preceding the three digits in the course number denotes the course's subdiscipline (i.e., "D" represents the subdiscipline code in the course number ABC.D400.R): X (Global awareness and other breadth courses) 						

Table 2: Doctoral Degree Program courses (600 level)

Course category	Course number	Course title		Credits	Competencies	Comments
600 level	LAW.X601	★	International Research Program 1C	0-0-1	1,2,5	
	LAW.X602	★	International Research Program 1D	0-0-1	1,2,5	
	LAW.X603	★	International Research Program 2C	0-0-2	1,2,5	
	LAW.X604	★	International Research Program 2D	0-0-2	1,2,5	
	LAW.X605	★	International Research Program 3C	0-0-4	1,2,5	
	LAW.X606	★	International Research Program 3D	0-0-4	1,2,5	
Note : • ★ : offered in English in principle, O : odd academic years, E : even academic years • Competencies: 1 = Intercultural skills; 2 = Communication skills; 3 = Specialist skills; 4 = Critical thinking skills; 5 = Practical and/or problem-solving skills • The character preceding the three digits in the course number denotes the course's subdiscipline (i.e., "D" represents the subdiscipline code in the course number ABC.D600.R): X (Global awareness and other breadth courses)						

Table 3: Breadth Courses recognized as equivalent to Career Development Courses (Master's Degree Program courses only)

In order to fulfill the completion requirements for the master's degree program, students must attain at least 2 credits in Career Development Courses, and should satisfy all of the Graduate Attributes (GA) specified in Table MA-1 of the "Career Development Courses" (Liberal Arts and Basic Science Courses) in the Guide to Graduate Education and International Graduate Program. Students will be evaluated in regards to GA achievements at the time of their degree completion. As to the courses with more than one GA, the number of GA stipulated for the courses is considered to be acquired regardless of the credits received for the courses.

Breadth Courses that enable students to acquire GA and that are recognized as equivalent to Career Development Courses are listed in the table below.

For Graduate Attributes, refer to the Guide to the Career Development Courses.
The Graduate Attributes of the Master's Degree Program are listed in Table MA-1 as follows:
C0M: Able to delineate one's career plan clearly and recognize the skills necessary to materialize the plan, also considering its relations to the society
C1M: Able to utilize its own expertise to the development of academia and technology, and work with others with different expertise to contribute to problem-solving

Course category	Course number	Course title		Credits	GA*	Comments
Courses that can be counted as Career Development Courses	LAW.X414	★	Technical Management for Sustainable Engineering	2-0-0	C0M	
	LAW.X418	★	Communication Skills in Japanese Industries I	0-1-0	C0M, C1M	
	LAW.X419	★	Communication Skills in Japanese Industries II	0-1-0	C0M, C1M	
Credits in Career Development Courses must be attained from among the above-listed courses and those listed as such in the Liberal Arts and Basic Science Courses Guide. *GA: Graduate Attributes						

