

1. Tokyo Tech Academy for Leadership

Outline

In this age of increasingly intense global competition, our society needs individuals capable of leading the development of the world's economy. It is therefore essential to nurture doctoral graduates to become knowledge professionals with high expertise who can lead every sector of society. The educational program of the Tokyo Tech Academy for Leadership (ToTAL) has been established as a seamless degree program provided throughout master's and doctoral studies to develop leadership skills and traits required of such professionals. This program builds on the achievements and experiences attained during the Program for Leading Graduate Schools, which aims to prepare future leaders to play active roles in international society while responding to the demands of industry, academia, and government.

In order to be successful, students in this program are required to (1) recognize social issues, (2) acquire global communication skills, (3) develop leadership/followership and consensus-building ability, (4) gain off-campus experience by completing an individual project (e.g., research abroad), and (5) broaden their cultural knowledge, in addition to building expertise in their own Graduate Major. By taking courses relating to (3), students with different specializations, nationalities, and cultural backgrounds work together to solve challenging issues, thereby developing confidence in their own fields and appreciating others' success.

To enroll in the program, students must first pass the selection and screening conducted by ToTAL. Once enrolled, they must then satisfy the program's completion requirements and pass both the degree examination for their Graduate Major and a final assessment by ToTAL, in which representatives from various fields determine whether the student has acquired the abilities required of a future leader. ToTAL offers seamless education between master's and doctoral degree programs to facilitate students' success in both this program and the Graduate Major.

Eligibility

Applicants must be master's degree students at Tokyo Institute of Technology (Tokyo Tech) and receive consent from their academic supervisor. Doctoral students may also be accepted. However, as they will need to take courses that do not count toward the completion of their graduate major, prior consultation with ToTAL faculty is necessary. Master's degree students of other universities designated by ToTAL are also eligible to apply.*

*For students of other universities, the term 'Graduate Major' refers to their graduate school's equivalent program.

Selection

Admission to the program will be determined based on a review of applications and group interviews. Information on the application period and required documents will be provided separately.

Qualifying Examination

Those who wish to pursue further study at ToTAL when advancing to a doctoral degree program are required to pass the qualifying examination. To be eligible to take the examination, all the requirements described in Table 1 must be satisfied. Qualified students will be allowed to register for the Leadership Off-Campus Project as well as continue enrollment in this program.

Completion Requirements

In addition to completing the doctoral degree program in their Graduate Major, students must earn 16 or more credits from ToTAL courses as per Table 2 and pass the final assessment. Tokyo Tech students who meet the completion requirements will receive an acknowledgement on their diploma in addition to recognition of their degree. Students of universities other than Tokyo Tech will receive a certification of completion.

Contact Information

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Table 1. Requirements to take the qualifying examination

1	Completion or expected completion of a master's degree program
2	Completion or expected completion of courses mandatory for taking the qualifying examination, i.e., Introduction to Leadership and/or Leadership Workshop (LAH.C401)
3	Attainment or expected attainment of a minimum of 7 credits (as a general rule) from among those required to complete this program as per Table 2. Of the 7 credits, 2 must come from Fundamental Group Work for Leadership, and those from Introduction to Leadership or Leadership Workshop may not be included.

Table 2. Completion Requirements

Course category	Required courses	Electives	Credits required per course category
① Recognition of Social Issues			A minimum of 3 credits
② Global Communication		<ul style="list-style-type: none"> • A minimum of 2 credits from the 400 and 500 levels • A minimum of 1 credit from the 600 level 	A minimum of 3 credits
③ Leadership, Followership, and Consensus Building	2 credits from Fundamental Group Work for Leadership	• A minimum of 2 credits from 600 level	A minimum of 4 credits
④ Off-Campus Project	4 credits from Leadership Off-Campus Project		4 credits
⑤ Cultural Skills		• A minimum of 1 credit from "Graduate Seminar in Liberal Arts" or "Mindfulness and Well-being"	A minimum of 2 credits
Total required credits	A minimum of 16 credits in addition to meeting the above conditions		
Notes			
<ul style="list-style-type: none"> • To successfully complete the ToTAL program, students must earn 16 or more credits as stated in the table and pass the final assessment, in addition to being certified as completing the doctoral degree program in their Graduate Major. The same applies to students who joined the program after enrolling in the doctoral degree program. 			

Table 3. Courses of the Tokyo Tech Academy for Leadership Educational Program (Master's Degree Program: 400- and 500-level courses, Doctoral Degree Program: 600-level courses)

Course category	Course number		Course title	Credits	Group	Quarter	Notes
Courses of Graduate Majors	Refer to Study Guide for Graduate Majors						Note 1
	① Recognition of Social Issues	400 level	TAL.S401	★	Business Management and Intellectual Property	1-0-0	1
TAL.S403			★	Challenging Global Issues	1-0-0	2	
TAL.S406			◆	Introduction to Work Rules I produced by JTUC-RENGO	1-0-0	3	

㊟ Recognition of Social Issues	500 level	TAL.S502		Professionals and Value Creation I	0-1-0		2	Note 2 Note 3 Note 8				
		TAL.S503		Professionals and Value Creation II	0-1-0		4					
		TAL.S504	◆	Introduction to Work Rules II produced by JTUC-RENGO	1-0-0		4					
		TAL.S505	★	Recognition of Social Issues Workshop I	0-1-0		2					
		TAL.S506		Recognition of Social Issues Workshop II	0-1-0		4					
	600 level	TAL.S601	◆	Policy-making Workshop	1-0-0		2					
㊟ Global Communication	400 level	TAL.C401	★	Global Presentation	1-0-0	A	1	Note 2 Note 4				
						B						
						C	3					
						D						
	500 level	TAL.C402	★	Global Communication	1-0-0	A	2					
						B						
						C	4					
						F						
	600 level	TAL.C601	★	Strategic Debate	1-0-0	A	1					
						B	3					
						TAL.C602	★		Creative Discussion	1-0-0	A	2
											B	4
400 level	TAL.W401	★	Introduction to Leadership	0-1-0	A	2						
					B							
					C	4						
					D							
500 level	TAL.W501	★ ◎	Fundamental Group Work for Leadership	0-2-0	S	1~2						
					F	3~4						
					600 level	TAL.W601	★ ◆	Practical Group Work for Leadership	0-2-0	S	1~2	
										F	3~4	
600 level	TAL.W611	★ ◆	Advanced Group Work for Leadership	0-2-0	S	1~2						
					F	3~4						
㊟ Off-Campus Project	600 level	TAL.I601	◎ ◆	Leadership Off-Campus Project	0-0-4	A	1	Note 2 Note 6 Note 8				
						B	2					
						C	3					
						D	4					
㊟ Cultural Skill	400 level	TAL.L441		Mindfulness and Well-being	0-1-0		3	Note 2 Note 7				
		TAL.L442	★	Graduate Seminar in Liberal Arts	0-1-0		4					
		LAH.xxxx		Choose from the Humanities and Social Science Courses listed in Table 4, excluding Leadership Workshop and other Key Courses with the code 'LAH.C.'								

★ Courses taught in English ③ Required courses ◆ Courses recognized as Career Development Courses

- Note 1: To complete this educational program, students must meet the completion requirements of the master’s degree program and doctoral degree program in their Graduate Major.
- Note 2: Quarters and groups are subject to change. Courses will be canceled when deemed necessary by ToTAL or the Institute for Liberal Arts.
- Note 3: To complete this educational program, a minimum of 3 credits must be attained from the 400- and 600-level Recognition of Social Issues courses. There may be cases where these credits will be recognized as credits attained from major courses outside the standard curriculum and counted toward the completion requirements of Graduate Majors. However, note that when Introduction to Work Rules I and II produced by JTUC-RENGO and Policy-Making Workshop courses are recognized and accredited as Career Development Courses, their credits cannot be counted a second time as Core Courses toward the completion requirements of Graduate Majors.
- Note 4: To complete this educational program, a minimum of 3 credits must be attained from Global Communication courses, 2 of which must come from the 400 and 500 levels and 1 from the 600 level. The same applies to students who joined the ToTAL program after enrolling in the doctoral degree program. There may be cases where these credits will be recognized as credits attained from major courses outside the standard curriculum and counted toward the completion requirements of Graduate Majors.
- Note 5: To complete this educational program, a minimum of 4 credits must be attained from Leadership, Followership, and Consensus Building courses, 2 of which must come from the 500 level and 2 from the 600 level. There may be cases where these credits will be recognized as credits attained from major courses outside the standard curriculum and counted toward the completion requirements of Graduate Majors. However, note that when Practical Group Work for Leadership or Advanced Group Work for Leadership courses are recognized and accredited as Career Development Courses, their credits cannot be counted a second time as Core Courses toward the completion requirements of Graduate Majors.
- Note 6: To complete this educational program, 4 credits must be attained from the 600-level Off-Campus Project courses. There may be cases where these credits will be recognized as credits attained from major courses outside the standard curriculum and counted toward the completion requirements of Graduate Majors. However, note that when Leadership Off-Campus Project courses are recognized and accredited as Career Development Courses, their credits cannot be counted a second time as Core Courses toward the completion requirements of Graduate Majors.
- Note 7: To complete this educational program, a minimum of 2 credits must be attained from the 400- and 500-level Cultural Skills courses. Of these credits, at least 1 credit must come from Graduate Seminar in Liberal Arts or Mindfulness and Well-being courses. These courses are provided as liberal arts courses within specially offered degree programs for graduate students, and their credits may not be counted toward the completion requirements of Graduate Majors. It must be also noted that 1 of the aforementioned 2 credits may come from the Humanities and Social Science Courses listed in Table 1. However, those courses already counted toward the completion requirements of a master’s degree program in the Graduate Major may not be counted a second time toward the completion requirements of this educational program.
- Note 8: The following shows ToTAL courses that can be recognized as Career Development Courses, and corresponding Graduate Attributes (“GAs”). If the students pass the final assessment of this educational program, they may be permitted to count GAs as career skills required to complete the doctoral degree program in their Graduate Major. For information about other Career Development Courses not offered by ToTAL, please ask the Innovator and Inventor Development Platform or refer to the Study Guide for Graduate Majors.

Course category	Course title	Graduate Attributes (GAs)
① Recognition of Social Issues	Introduction to Work Rules I / II produced by JTUC-RENGO	C0M
	Policy-Making Workshop	A0D or P0D
③ Leadership, Followership, and Consensus Building	Practical Group Work for Leadership	A0D and A3D, or P0D and P3D
	Advanced Group Work for Leadership	A0D and A3D, or P0D and P3D
④ Off-Campus Project	Leadership Off-Campus Project	A1D–A3D or P1D–P3D

Table 4. Humanities and Social Science Courses that can be counted as Cultural Skills Courses (Master’s Degree Program: 400- and 500-level courses)

Level	Course number	Course title	Credits	Group	Quarter
400 level	LAH.A401	Digital Innovation in Financial Institutions	1-0-0		2
	LAH.S401	Essence of Humanities and Social Sciences1:Toward Our True Nature	1-0-0		2
	LAH.S402	Essence of Humanities and Social Sciences2:Ethics in Engineering	1-0-0		2
	LAH.S403	Essence of Humanities and Social Sciences3:Religion	1-0-0		4
	LAH.S404	Essence of Humanities and Social Sciences4:Sociology	1-0-0		2
	LAH.S405	Essence of Humanities and Social Sciences5:Literature	1-0-0		3
	LAH.S406	Essence of Humanities and Social Sciences6:Business System Design	1-0-0		3
	LAH.S407	Essence of Humanities and Social Sciences7:Economics	1-0-0		4
	LAH.S408	Essence of Humanities and Social Sciences8:Pedagogy	1-0-0		4

400 level	LAH.S409	Essence of Humanities and Social Sciences9:Political Science	1-0-0		3
	LAH.S410	Essence of Humanities and Social Sciences10:Science Visualization	1-0-0		3
	LAH.S411	Essence of Humanities and Social Sciences11:Law	1-0-0		1
	LAH.S412	Essence of Humanities and Social Sciences12:History of Fashion	1-0-0		4
	LAH.S413	Essence of Humanities and Social Sciences13:Contemporary Society	1-0-0		1
	LAH.S414	Essence of Humanities and Social Sciences14:History	1-0-0		1
	LAH.S415	Essence of Humanities and Social Sciences15:Science and Technology for Society	1-0-0		4
	LAH.S416	Essence of Humanities and Social Sciences16:History of Technology	1-0-0		4
	LAH.S417	Essence of Humanities and Social Sciences17:Psychology	1-0-0		2
	LAH.S418	Essence of Humanities and Social Sciences18:Information Society and Law	1-0-0		1
	LAH.S420	★ Essence of Humanities and Social Sciences 20: Western Thought	1-0-0	1 2	2 4
	LAH.S426	Essence of Humanities and Social Sciences26:International Relations	1-0-0		1
	LAH.S428	★ Essence of Humanities and Social Sciences 28: 'Our' Sounds – Music, Society, Community	1-0-0		3
	LAH.S429	★ Essence of Humanities and Social Sciences 29: 'Other' Sounds - Music, Minorities, Japan	1-0-0		4
	LAH.S430	Essence of Humanities and Social Sciences34:Studies of Culture and Representation	1-0-0		1
	LAH.S431	Essence of Humanities and Social Sciences35:Media Studies	1-0-0		1
	LAH.S432	Essence of Humanities and Social Sciences36:Philosophy)	1-0-0		3
	LAH.S433	Essence of Humanities and Social Sciences37:History of Science	1-0-0		1
	LAH.S434	Essence of Humanities and Social Sciences38:Statistics	1-0-0		3
	LAH.S435	Essence of Humanities and Social Sciences40:Human Studies	1-0-0		1
	LAH.S436	★ Essence of Humanities and Social Sciences41:History of Mathematics and Astronomy	1-0-0		1
	LAH.S437	Essence of Humanities and Social Sciences42:Consensus Building	1-0-0		3
	LAH.S438	Essence of Humanities and Social Sciences43:Financial/Economic Activities and Corporate Strategy	1-0-0		4
	LAH.T406	Transdisciplinary studies 6:Longevity Society and Life	1-0-0		3
	LAH.T409	Transdisciplinary studies 9:Science, Technology and Society:Basic	1-0-0		3
	LAH.T416	Transdisciplinary studies 16:Science and Technology in Society	1-0-0		4
	LAH.T417	Transdisciplinary studies 17:Future of Sports and Health Science	1-0-0		3
	LAH.T418	Transdisciplinary studies 18:Technology and the Future of the Body	1-0-0		3
500 level	LAH.A501	Area Studies: Europe	1-0-0		1
	LAH.A502	Area Studies: East Asia	1-0-0		1
	LAH.A503	Area Studies: Latin America	1-0-0		2
	LAH.A504	Area Studies: Middle East and Africa	1-0-0		3

500 level	LAH.A505	Area Studies: South and Southeast Asia	1-0-0		3
	LAH.A506	Area Studies: North America and Oceania	1-0-0		4
	LAH.A511	★ Interpretation of Japan	1-0-0		2
	LAH.A521	Strategy for Mental and Physical Health	1-0-0	1	1
				2	1
				3	2
	LAH.A531	Understanding and Analyzing Social Trends	1-0-0		1
	LAH.A541	★ Glocal Japan Y1	1-0-0		2
	LAH.A542	★ Glocal Japan Y2	1-0-0		4
	LAH.S501	Essence of Humanities and Social Sciences23:Contemporary Society Viewed from Medical Care	1-0-0		3
	LAH.S502	Essence of Humanities and Social Sciences24:History of Social Thought	1-0-0	1	2
				2	4
	LAH.S503	Essence of Humanities and Social Sciences25:Media Psychology	1-0-0	1	3
				2	4
	LAH.S504	★ Essence of Humanities and Social Sciences 30: Japanese Poetry	1-0-0		1
	LAH.S505	Essence of Humanities and Social Sciences31:The logic of Synergetic Society	1-0-0		1
	LAH.S506	★ Essence of Humanities and Social Sciences 32: Peace Studies	1-0-0		3
	LAH.S507	★ Essence of Humanities and Social Sciences 33: Japanese Noh Theater	1-0-0		4
	LAH.S508	★ Essence of Humanities and Social Sciences39: Decision Making	1-0-0	1	2
				2	4
LAH.S509	Essence of Humanities and Social Sciences44:Digital Humanities	1-0-0		2	
LAH.S510	Essence of Humanities and Social Sciences45:Social Sciences with Evolutionary Simulation	1-0-0		2	
★ Courses taught in English					