Graduate Major in Social and Human Sciences

【Master's Degree Program】

None

【Doctoral Degree Program】

1. Outline

The Doctoral Program of the Graduate Major in Social and Human Sciences creates leaders who can lead the world in the further development of society through science and technology based on specialized academic research in close collaboration with studies of people, society, and science and technology; who create new value, and who resolve human and social issues caused by science and technology.

The ideal candidates are:
- Those who have a broad knowledge of the humanities, social sciences, and science and engineering, and advanced expertise in fields related to people, society, and science and technology;
- Those who have the communication skills necessary for connecting people, society, and science and technology, and those who understand diversity, humanities, and the importance of being able to connect society with science and technology;
- Those with value-creation skills that enable them to form advanced evaluation criteria independently and demonstrate their vision;
- Those with problem-solving skills enabling them to creatively design the necessary structures and push forward with the implementation of those structures;
- Those with the ambition to be successful in a global society as a leader with value-creation and problem-solving skills, capable of pioneering and leading the frontier where science and technology merges with humanities and social sciences;
- Those with the eagerness to acquire the ability for specialized academic research in close collaboration with related studies, and the willingness to put one's value-creation and problem-solving skills in to practice.

2. Competencies Developed

In this program, students will acquire the skills such as:
- A broad knowledge of the humanities, social sciences, and science and engineering;
- Advanced expertise in fields related to humans, society, and science and technology;
- Critical analysis and integration ability, interdependent relationship-building ability, and the ability to initiate and be active in dialogues involving multiple fields and cultures;
- Understanding of diverse knowledge structures, values, and world views;
- High ethical perspective, sensitivity, flexibility, sense of responsibility, and positivity;
- Ability to have insight, reflect, and translate;
- Value-creation skills enabling one to form advanced evaluation criteria independently and demonstrate one's vision;
- Problem-solving skills enabling one to creatively design the necessary structures and push forward with the implementation of those structures;
- Ability to conduct specialized academic research in close collaboration with related studies;
- Ability to put one's value-creation and problem-solving skills in to practice.

3. Learning Goals

The department offers the educational program for the following purposes to allow students to master the above-mentioned skills:

A) A broad knowledge of the humanities, social sciences, and science and engineering and advanced expertise in fields related to humans, society, and science and technology such as Politics, Law, and Administration; Education, Welfare, and Health; Culture and Art; Science, Technology and Society; Cognition, Mathematics, and Information, through Research Seminars, Courses for Common Project Dialogue Dispatch, Courses for Training Support Career, courses in specialized fields, and Liberal Arts and Basic Science Courses.

B) Critical analysis and integration ability, interdependent relationship-building ability, and the ability to initiate and be active in dialogues involving multiple fields and cultures through Research Seminars, Courses for Common Project Dialogue Dispatch, Courses for Relationship-building, Courses for Training Support Career, courses in specialized fields, and Liberal Arts and Basic Science Courses.

C) Understanding of diverse knowledge structures, values, and world views through Courses for Common Project Dialogue Dispatch, Courses for Relationship-building, Courses for Training Support Career, and Liberal Arts and Basic Science Courses.

D) High ethical perspective, sensitivity, flexibility, sense of responsibility, and positivity through Courses for Common Project Dialogue Dispatch, Courses for Relationship-building, Courses for Training Support Career, and Liberal Arts and Basic Science Courses.

E) Ability to have insight, reflect, and translate through Research Seminars, Courses for Common Project Dialogue Dispatch, Courses for Relationship-building, Courses for Training Support Career, and Liberal Arts and Basic Science Courses.

F) Value-creation skills enabling one to form advanced evaluation criteria independently and demonstrate one's vision as well problem-solving skills enabling one to creatively design the necessary structures and push forward with the implementation of those structures through Research Seminars, Courses for Common Project Dialogue Dispatch, Courses for Relationship-building, Courses for Training Support Career, and courses in specialized fields.

G) Ability to conduct specialized academic research in close collaboration with related studies through Research Seminars, Courses for Training Support Career and courses in specialized fields.

H) Ability to put one's value-creation and problem-solving skills in to practice through Research Seminars, Courses for Common Project Dialogue Dispatch, Courses for Training Support Career, and courses in specialized fields.

4. IGP Completion Requirements

The following requirements must be met to complete the Doctoral Degree Program of this major.

1. Attain a total of 24 credits or more from 600-level courses.

2. Fulfill requirements in Table D1 below.

3. Pass the doctoral dissertation review and defense.

Table D1 shows course categories and the number of credits required to complete the Doctoral Degree Program of this major. It also shows the required minimum credits in each course category and points to be noted when selecting the required courses and electives.

The learning goals to be obtained by students through courses are listed as "associated learning goals". Prior to registering courses, students need to fully understand the course goals.

Table D1. Graduate Major in Social and Human Sciences Completion Requirements

Course category		\<Required courses\> Required credits	\<Electives\> Minimum credits required	Minimum credits required	Associated learning goals	Comments
Liberal arts and basic science courses	Humanities and social science courses		2 credits	6 credits	A, B, C, D, E	
	Career development courses		4 credits		A, B, C, D, E	All Graduate Attributes (GA) should be acquired. (Refer to Section 7 for the definition of GA.)
	Other courses					
Core courses	Research seminars	Colloquium in Social and Human Sciences S3 Colloquium in Social and Human Sciences F3 Colloquium in Social and Human Sciences S4 Colloquium in Social and Human Sciences F4 Colloquium in Social and Human Sciences S5 Colloquium in Social and Human Sciences F5 A total of 12 credits, 2 credits each from the above courses.		14 credits from Core Courses of the Graduate Major in Social and Human Sciences	A, B, F	
	Research-related courses					

	Major courses		
	Major Courses and Research-related courses outside the Graduate Major in Social and Human Sciences standard curriculum		

Total required credits	**A minimum of 24 credits including those attained according to the above conditions**
Note	**・Japanese Language and Culture Courses offered to international students can be recognized as equivalent to the Humanities and Social Science Courses of the corresponding course level.** **・For details of the Liberal Arts and Basic Science Courses, please refer to the relevant sections.**

5. IGP Courses

Table D2 shows the Core Courses of the Doctoral Degree Program of this major. Graduate Majors listed in the Comments column offer core courses that are recognized as equivalent to the corresponding Major Courses or Research-related Courses in the standard curriculum of this major.

Table D2. Core Courses of the Graduate Major in Social and Human Sciences

Course category	Course number		Course title	Credits	Competencies	Learning goals	Comments
Research seminars	**600 level**	SHS.Z691.R	◎ Colloquium in Social and Human Sciences S3	0-2-0	1,2,3,4,5	A, B, E, F, G, H	Only one colloquium may be taken per semester.
		SHS.Z692.R	◎ Colloquium in Social and Human Sciences F3	0-2-0	1,2,3,4,5	A, B, E, F, G, H	ditto
		SHS.Z693.R	◎ Colloquium in Social and Human Sciences S4	0-2-0	1,2,3,4,5	A, B, E, F, G, H	ditto
		SHS.Z694.R	◎ Colloquium in Social and Human Sciences F4	0-2-0	1,2,3,4,5	A, B, E, F, G, H	ditto
		SHS.Z695.R	◎ Colloquium in Social and Human Sciences S5	0-2-0	1,2,3,4,5	A, B, E, F, G, H	ditto
		SHS.Z696.R	◎ Colloquium in Social and Human Sciences F5	0-2-0	1,2,3,4,5	A, B, E, F, G, H	ditto
		SHS.L631.L	Transnational Workshop in Social and Human Sciences S3	0-1-0	2,3,5	B, C, D, E, F	
Rese		SHS.L632.L	Transnational Workshop in Social and Human Sciences S4	0-1-0	2,3,5	B, C, D, E, F	

	600 level	SHS.L633.L			Transnational Workshop in Social and Human Sciences F3	0-1-0	2,3,5	B, C, D, E, F	
		SHS.L634.L			Transnational Workshop in Social and Human Sciences F4	0-1-0	2,3,5	B, C, D, E, F	
		SHS.L635.L			Transnational Workshop in Social and Human Sciences S5	0-1-0	2,3,5	B, C, D, E, F	
		SHS.L636.L			Transnational Workshop in Social and Human Sciences F5	0-1-0	2,3,5	B, C, D, E, F	
		SHS.L651.L			Translational Project in Social and Human Sciences S3	0-0-1	3,4,5	A, B, C, D, E, F, H	Only one project may be taken per semester.
		SHS.L652.L			Translational Project in Social and Human Sciences F3	0-0-1	3,4,5	A, B, C, D, E, F, H	ditto
		SHS.L653.L			Translational Project in Social and Human Sciences S4	0-0-1	3,4,5	A, B, C, D, E, F, H	ditto
		SHS.L654.L			Translational Project in Social and Human Sciences F4	0-0-1	3,4,5	A, B, C, D, E, F, H	ditto
		SHS.L655.L			Translational Project in Social and Human Sciences S5	0-0-1	3,4,5	A, B, C, D, E, F, H	ditto
		SHS.L656.L			Translational Project in Social and Human Sciences F5	0-0-1	3,4,5	A, B, C, D, E, F, H	ditto
		SHS.L671.L			Course Assistance in Social and Human Sciences S3	0-0-1	3,4,5	A, B, C, D, E, F, G, H	
		SHS.L672.L			Course Assistance in Social and Human Sciences S4	0-0-1	3,4,5	A, B, C, D, E, F, G, H	
		SHS.L673.L			Course Assistance in Social and Human Sciences F3	0-0-1	3,4,5	A, B, C, D, E, F, G, H	
		SHS.L674.L			Course Assistance in Social and Human Sciences F4	0-0-1	3,4,5	A, B, C, D, E, F, G, H	
		SHS.L675.L			Course Assistance in Social and Human Sciences S5	0-0-1	3,4,5	A, B, C, D, E, F, G, H	
		SHS.L676.L			Course Assistance in Social and Human Sciences F5	0-0-1	3,4,5	A, B, C, D, E, F, G, H	
		SHS.D681.L			Graduate Project in Education, Welfare and Health S3	0-0-1	3,4,5	A, B, F, G, H	
		SHS.D682.L			Graduate Project in Education, Welfare and Health F3	0-0-1	3,4,5	A, B, F, G, H	
		SHS.M681.L			Graduate Project in Cognition, Mathematics and Information S3	0-0-1	3,4,5	A, B, F, G, H	
		SHS.M682.L			Graduate Project in Cognition, Mathematics and Information F3	0-0-1	3,4,5	A, B, F, G, H	
		SHS.P681.L			Graduate Project in Politics, Law and Administration S3	0-0-1	3,4,5	A, B, F, G, H	

		SHS.P682.L			Graduate Project in Politics, Law and Administration F3	0-0-1	3,4,5	A, B, F, G, H	
		SHS.S681.L			Graduate Project in Science, Technology and Society S3	0-0-1	3,4,5	A, B, F, G, H	
		SHS.S682.L			Graduate Project in Science, Technology and Society F3	0-0-1	1,3,4,5	A, B, F, G, H	
		SHS.U681.L			Graduate Project in Culture and Arts S3	0-0-1	3,4,5	A, B, F, G, H	
		SHS.U682.L			Graduate Project in Culture and Arts F3	0-0-1	3,4,5	A, B, F, G, H	
Major courses		SHS.J601.L			Cooperative Education through Research Internships of Social and Human Sciences	0-0-4	1,3,4,5	A, B, C, D, E, F, G, H	

Note :

• ◎ : Required course

• Competencies: 1 = Specialist skills; 2 = Liberal arts skills; 3 = Communication skills; 4 = Applied skills (inquisitive thinking and/or problem-finding skills);   5 = Applied skills (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): P (Politics, Law, and Administration); D (Education, Welfare, and Health); U (Culture and Art); S (Science, Technology and Society); M (Cognition, Mathematics, and Information)

6. IGP Courses That Can Be Counted as Humanities and Social Science Courses

None

7. IGP Career Development Courses and IGP Courses That Can Be Counted as Career Development Courses

In order to fulfill the completion requirements for the doctoral degree program, students must attain at least 4 credits in Career Development Courses, and should satisfy all of the Graduate Attributes (GA) specified in Table A-1 of the "Career Development Courses" listed as one of the "Liberal Arts and Basic Science Courses" in the Guide to Graduate Education and International Graduate Program, as well as shown below. Students will be evaluated in regards to GA achievements at the time of their degree completion. As to the courses with two GAs, both GAs stipulated for the courses are considered to be acquired if students receive the corresponding credits for those courses.

Career Development Courses and Major Courses that enable students to acquire GA and that are recognized as equivalent to Career Development Courses, offered by the Graduate Major, are listed in Tables D3 below. Students can also acquire GA and credits by taking the Career Development Courses offered by Innovator and Inventor Development Platform (IIDP) listed as one of the "Liberal Arts and Basic Science Courses" in the Guide to Graduate Education and International Graduate Program.

However, it must be noted that credits attained from those courses that can be counted as Career Development Courses can be counted towards the completion requirements of doctoral degree program, either for the Major Courses or for the Career Development Courses (i.e., not for both). Nevertheless, even in the cases from those mentioned above where attained credits pertaining to these courses are not considered as Career Development Courses, their associated GAs may be considered by the Graduate Major to have been acquired.

For Graduate Attributes, refer to the Guide to the Career Development Courses.

The Graduate Attributes of the Doctoral Degree Program are listed in Table A-1 as follows:

GA0D: You can clearly design your own career and contribute to realizing scientific, technological, or social innovation through a comprehensive understanding of the knowledge, skills, social responsibilities and ethics required to become an active member of academia and/or industry.

GA1D: You can lead in realizing scientific, technological, or social innovation by acquiring the advanced leadership skills, entrepreneurial skills, knowledge and expertise, and by developing social responsibility necessary for materializing your designed career.

Table D3. Courses of the Graduate Major in Social and Human Sciences recognized as equivalent to Career Development Courses, and Career Development Courses

Course category	Course number	Course title			Credits	GA*	Learning goals	Comments
Courses that can be counted as Career Development Courses	SHS.L631.L			Transnational Workshop in Social and Human Sciences S3	0-1-0	GA1D	B, C, D, E, F	
	SHS.L632.L			Transnational Workshop in Social and Human Sciences S4	0-1-0	GA1D	B, C, D, E, F	
	SHS.L633.L			Transnational Workshop in Social and Human Sciences F3	0-1-0	GA1D	B, C, D, E, F	
	SHS.L634.L			Transnational Workshop in Social and Human Sciences F4	0-1-0	GA1D	B, C, D, E, F	
	SHS.L635.L			Transnational Workshop in Social and Human Sciences S5	0-1-0	GA1D	B, C, D, E, F	
	SHS.L636.L			Transnational Workshop in Social and Human Sciences F5	0-1-0	GA1D	B, C, D, E, F	
	SHS.L651.L			Translational Project in Social and Human Sciences S3	0-0-1	GA0D GA1D	A, B, C, D, E, F, H	
	SHS.L652.L			Translational Project in Social and Human Sciences F3	0-0-1	GA0D GA1D	A, B, C, D, E, F, H	
	SHS.L653.L			Translational Project in Social and Human Sciences S4	0-0-1	GA0D GA1D	A, B, C, D, E, F, H	
	SHS.L654.L			Translational Project in Social and Human Sciences F4	0-0-1	GA0D GA1D	A, B, C, D, E, F, H	
	SHS.L655.L			Translational Project in Social and Human Sciences S5	0-0-1	GA0D GA1D	A, B, C, D, E, F, H	
	SHS.L656.L			Translational Project in Social and Human Sciences F5	0-0-1	GA0D GA1D	A, B, C, D, E, F, H	

	SHS.L671.L		Course Assistance in Social and Human Sciences S3	0-0-1	GA1D	A, B, C, D, E, F, G, H	
	SHS.L672.L		Course Assistance in Social and Human Sciences S4	0-0-1	GA1D	A, B, C, D, E, F, G, H	
	SHS.L673.L		Course Assistance in Social and Human Sciences F3	0-0-1	GA1D	A, B, C, D, E, F, G, H	
	SHS.L674.L		Course Assistance in Social and Human Sciences F4	0-0-1	GA1D	A, B, C, D, E, F, G, H	
	SHS.L675.L		Course Assistance in Social and Human Sciences S5	0-0-1	GA1D	A, B, C, D, E, F, G, H	
	SHS.L676.L		Course Assistance in Social and Human Sciences F5	0-0-1	GA1D	A, B, C, D, E, F, G, H	
	SHS.J601.L		Cooperative Education through Research Internships of Social and Human Sciences	0-0-4	GA1D	A, B, C, D, E, F, G, H	
Career Development Courses	SHS.R611		Doctoral Recurrent Program 1 of Graduate major in Social and Human Sciences	0-0-1	GA0D GA1D	A, B, C, D, E, F, G, H	Career Development Course offered by the Graduate Major in Social and Human Sciences. You cannot count for the Major Course.
	SHS.R621		Doctoral Recurrent Program 2-1 of Graduate major in Social and Human Sciences	0-0-2	GA0D GA1D	A, B, C, D, E, F, G, H	
	SHS.R622		Doctoral Recurrent Program 2-2 of Graduate major in Social and Human Sciences	0-0-2	GA0D GA1D	A, B, C, D, E, F, G, H	
	SHS.R631		Doctoral Recurrent Program 3 of Graduate major in Social and Human Sciences	0-0-3	GA0D GA1D	A, B, C, D, E, F, G, H	
	SHS.R641		Doctoral Recurrent Program 4 of Graduate major in Social and Human Sciences	0-0-4	GA0D GA1D	A, B, C, D, E, F, G, H	

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**

Students enrolled in the educational program for leading graduate schools, the Tokyo Tech Academy for Leadership (ToTAL) or WISE Programs may be offered courses recognized as equivalent to Career Development Courses besides those listed as such in the "Liberal Arts and Basic Science Courses" in the Guide to Graduate Education and International Graduate Program. For details about available courses or completion requirements, please refer to the Study Guide of the Academy that offers the relevant program.