

Career Development Courses

Master's Students

Master's students are required to fulfil all of the Graduate Attributes (GA) shown in Table MA-1 and acquire at least two credits in career development courses by the time they complete their master's degree program. In addition to the courses offered by each graduate major or by the Specially offered degree programs for graduate students such as Leading Graduate School Programs, Tokyo Tech Academy for Leadership, Tokyo Tech Academy for Convergence of Materials and Informatics (TAC-MI), WISE (World-leading Innovative & Smart Education) Program for Super Smart Society, and Tokyo Tech Academy of Energy and Informatics Program, (hereafter referred to as “Specially offered degree programs”), certain 400- and 500-level career development courses as shown in Table 1 are also appropriate for attaining GAs and credits.

Whether a student has satisfied the GA and credit requirements will be judged at the completion of the program based on completion requirements set for each graduate major. Students are expected to take appropriate courses, according to the completion requirements of their degree program.

For details about courses recognized as equivalent to Career Development Courses offered by each graduate major or Specially offered degree programs, and career development courses offered by each graduate major, please refer to the study guide of each graduate major and program.

If a course fulfills more than one GA, acquiring credit in that course will fulfill all GAs that it is linked to. And even in the cases where attained credits pertaining to Major Courses that enable students to acquire GAs (and could thus be recognized as equivalent to Career Development Courses) are not considered for the credit requirements of Career Development Courses, their associated GAs are always considered to have been acquired.

Table MA-1 Master's Degree Program Graduate Attributes

GA0M	You can clearly plan your own career and recognize the abilities necessary for realizing it while considering ethics and relevance to societal problems.
GA1M	You can acquire the knowledge, skills, and ethics necessary for realizing your planned career and contribute to societal problem-solving while collaborating with other experts.

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

Course category	Course number	Course title			Credits	GA*	Comments
400 level	LAC.M401			Master's Career Development Basics	1-0-0	GA0M	Change of course name (former course name: Master's Career Design), effective from 2022 AY.

							Offered to students who have not taken “Master’s Career Design”, “Master’s Career Plan”, “Master’s Career Design I”, or “Master’s Career Design II”
	LAC.M406		★	Master’s Global Career Development Literacy	1-0-0	GA0M	Change of course name (former course name:Global Career Development Literacy), effective from 2022 AY.
	LAC.M413			Master's Career Design Practice	0-1-0	GA0M	
	LAC.M448		★	Master’s Critical Thinking	1-0-0	GA1M	Change of course name (former course name:Critical Thinking), effective from 2022 AY.
500 level	LAC.M511			Master’s Career Development Role Models	1-0-0	GA1M	Change of course name (former course name:Smart Business Career Development), effective from 2022 AY.
	LAC.M527			Master’s Social and Business Rules and Ethics	1-0-0	GA1M	Change of course name (former course name:Social and Business Rules and Ethics), effective from 2022 AY.
	LAC.M537			Master’s Contributions to the Society through Research	1-0-0	GA1M	Change of course name (former course name:Social

						Contributions through Research), effective from 2022 AY.
LAC.M538			Master's Research Internship in Private Companies	0-0-1	GA1M	Change of course name (former course name: Master's Research Internship), effective from 2022 AY.
LAC.M562		★	Master's Scientific Communication	1-0-0	GA1M	Change of course name (former course name: Scientific Communication), effective from 2022 AY.
LAC.M573			Master's Recurrent Program 1-1	0-0-1	GA0M, GA1M	Change of course name (former course name: Master's Recurrent Program Advanced Practice 1-1), effective from 2022 AY. Offered in English as needed Courses for mid-career students (so-called working adults). Please refer to the syllabus and follow the necessary procedure.
LAC.M574			Master's Recurrent Program 1-2	0-0-1	GA0M, GA1M	Change of course name (former course name: Master's Recurrent Program Advanced Practice 1-2), effective from 2022 AY.

						Offered in English as needed Courses for mid-career students (so-called working adults). Please refer to the syllabus and follow the necessary procedure.
	LAC.M575			Master's Recurrent Program 2	0-0-2	GA0M, GA1M Change of course name (former course name: Master's Recurrent Program Advanced Practice 2), effective from 2022 AY. Offered in English as needed Courses for mid-career students (so-called working adults). Please refer to the syllabus and follow the necessary procedure.
<p>Note:</p> <ul style="list-style-type: none"> ★: offered in English in principle *GA: Graduate Attributes 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): M (Master's degree program) 						

【Graduate Attributes (GA) Table】

GA0M : You can clearly plan your own career and recognize the abilities necessary for realizing it while considering ethics and relevance to societal problems.	GA1M : You can acquire the knowledge, skills, and ethics necessary for realizing your planned career and contribute to societal problem-solving while collaborating with other experts.
<ul style="list-style-type: none"> • Master's Career Development Basics • Master's Global Career Development Literacy • Master's Career Design Practice • Master's Recurrent Program 1-1 • Master's Recurrent Program 1-2 • Master's Recurrent Program 2 	<ul style="list-style-type: none"> • Master's Critical Thinking • Master's Career Development Role Models • Master's Social and Business Rules and Ethics • Master's Contributions to the Society through Research • Master's Research Internship in Private Companies • Master's Scientific Communication • Master's Recurrent Program 1-1 • Master's Recurrent Program 1-2 • Master's Recurrent Program 2

Doctoral Students

Doctoral students are required to fulfil all of the Graduate Attributes (GA) shown in Table A-1 and acquire at least four credits in career development courses by the time they complete their doctoral degree program. In addition to the courses offered by each graduate major or by the Specially offered degree programs for graduate students such as Leading Graduate School Programs, Tokyo Tech Academy for Leadership, Tokyo Tech Academy for Convergence of Materials and Informatics (TAC-MI), WISE (World-leading Innovative & Smart Education) Program for Super Smart Society, and Tokyo Tech Academy of Energy and Informatics Program (hereafter referred to as “Specially offered degree programs”), certain 600-level career development courses as shown in Table 2 are also appropriate for attaining GAs and credits.

Whether a student has satisfied the GA and credit requirements will be judged at the completion of the program based on completion requirements set for each graduate major. Students are expected to take appropriate courses, according to the completion requirements of their degree program.

For details about courses recognized as equivalent to Career Development Courses offered by each graduate major or Specially offered degree programs, and career development courses offered by each graduate major, please refer to the study guide of each graduate major and program.

If a course fulfills more than one GA, acquiring credit in that course will fulfill all GAs that it is linked to. And even in the cases where attained credits pertaining to Major Courses that enable students to acquire GAs (and could thus be recognized as equivalent to Career Development Courses) are not considered for the credit requirements of Career Development Courses, their associated GAs are always considered to have been acquired.

For students enrolled in Specially offered degree programs, it is considered that all GAs have been acquired once the curriculum/program is completed. These programs may offer courses recognized as equivalent to Career Development Courses. For details about available courses or completion requirements, please refer to the study guide of the relevant program. If you are no longer a student of the program, GAs attained as career development skills in the former program can be carried over.

Table A-1 Doctoral Degree Program Graduate Attributes

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 2: Doctoral Degree Program courses (600 level)

Course category	Course number	Course title	Credits	GA*	Comments
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600 level	LAC.C601			Doctoral Career Design	1-0-0	GA0D	Offered to students who have not taken “Doctoral Career Design”, “Doctoral Career Plan”, “Doctoral Career Design I”, or “Doctoral Career Design II”
	LAC.C603		★	Doctoral Strategy for Balancing Career, Personality and Lifestyle	1-0-0	GA0D	Change of course name (former course name: Strategy for Balancing Career, Personality and Lifestyle), effective from 2022 AY.
	LAC.C643		★	Doctoral Developing Career Adaptability for Global Competitiveness	1-0-0	GA0D	Change of course name (former course name: Developing Career Adaptability for Global Competitiveness), effective from 2022 AY.
	LAC.A621			Doctoral Academic Literacy	1-0-0	GA1D	Change of course name (former course name: ALP Introduction), effective from 2022 AY. As a general rule, courses cannot be taken within six months of admission to the doctoral program.
	LAC.A631			Doctoral Academic Teaching Practice	0.5-0.5-0	GA1D	Change of course name (former course name: ALP Practice I (Teaching Practice)), effective from 2022 AY. As a general rule, courses cannot be taken within six months of admission to the doctoral program.
	LAC.A635			Doctoral Academic Overseas Training	0-0-1	GA1D	Change of course name (former course name: ALP

						<p>Practice II(Overseas Training)), effective from 2022 AY.</p> <p>Offered in English as needed</p> <p>The application document for this course is necessary.</p> <p>As a general rule, courses cannot be taken within six months of admission to the doctoral program.</p>
LAC.A639			Doctoral Academic Domestic Training	0-0-1	GA1D	<p>Change of course name (former course name: ALP Practice III(Domestic Training)), effective from 2022 AY.</p> <p>Offered in English as needed</p> <p>The application document for this course is necessary</p> <p>As a general rule, courses cannot be taken within six months of admission to the doctoral program.</p>
LAC.A641			Doctoral Academic Presentation I	0.5-0.5-0	GA1D	<p>Change of course name (former course name: ALP Advanced Practice I), effective from 2022 AY.</p> <p>As a general rule, courses cannot be taken within six months of admission to the doctoral program.</p>
LAC.A642			Doctoral Academic Presentation II	0.5-0.5-0	GA1D	<p>Change of course name (former course name: ALP Advanced Practice II), effective from 2022 AY.</p> <p>As a general rule, courses cannot be taken within six</p>

						months of admission to the doctoral program.
LAC.A643			Doctoral Academic Presentation III	0.5-0.5-0	GA1D	Change of course name (former course name: ALP Advanced Practice III), effective from 2022 AY. As a general rule, courses cannot be taken within six months of admission to the doctoral program.
LAC.A644			Doctoral Academic Presentation IV	0.5-0.5-0	GA1D	Change of course name (former course name: ALP Advanced Practice IV), effective from 2022 AY. As a general rule, courses cannot be taken within six months of admission to the doctoral program.
LAC.A645			Doctoral Academic Presentation V	0.5-0.5-0	GA1D	Change of course name (former course name: ALP Advanced Practice V), effective from 2022 AY. As a general rule, courses cannot be taken within six months of admission to the doctoral program.
LAC.C620			Doctoral Social and Business Rules and Ethics	1-0-0	GA1D	Change of course name (former course name: Advanced Course on Social and Business Rules and Ethics), effective from 2022 AY.
LAC.C621			Doctoral Ethics of Scientists and Engineers	1-0-0	GA1D	Change of course name (former course name: Ethics of Scientists and

						Engineers), effective from 2022 AY.
LAC.C651		★	Doctoral Technical Discussion	0-1-0	GA1D	Change of course name (former course name: Technical Discussion), effective from 2022 AY.
LAC.C657		★	Doctoral Technical Writing	0-1-0	GA1D	Change of course name (former course name: Technical Writing), effective from 2022 AY.
LAC.C663		★	Doctoral R&D and Business Strategies of Global Companies	1-0-0	GA1D	Change of course name (former course name: R&D Activities of Global Companies), effective from 2022 AY. Offered to students who have taken neither “R&D Activities of Global companies I” nor “R&D Activities of Global companies II”
LAC.P632			Doctoral Research Internship in Private Companies 1	0-0-1	GA1D	Change of course name (former course name: PLP Practice 1), effective from 2022 AY. Offered in English as needed Refer to the IIDP website for details
LAC.P633			Doctoral Research Internship in Private Companies 2	0-0-2	GA1D	Change of course name (former course name: PLP Practice 2), effective from 2022 AY. Offered in English as needed Refer to the IIDP website for details

	LAC.P634		Doctoral Research Internship in Private Companies 4	0-0-4	GA1D	Change of course name (former course name: PLP Practice 4), effective from 2022 AY. Offered in English as needed Refer to the IIDP website for details
	LAC.P642		Doctoral Corporate Business/R&D Strategy Planning Program	0-1-0	GA1D	Change of course name (former course name: PLP Advanced Practice), effective from 2022 AY.
	LAC.P661		Doctoral Recurrent Program 1	0-0-1	GA0D, GA1D	Change of course name (former course name: Doctoral Recurrent Program Advanced Practice 1), effective from 2022 AY. Offered in English as needed Courses for mid-career students (so-called working adults). Please refer to the syllabus and follow the necessary procedure.
	LAC.P662		Doctoral Recurrent Program 2-1	0-0-2	GA0D, GA1D	Change of course name (former course name: Doctoral Recurrent Program Advanced Practice 2-1), effective from 2022 AY. Offered in English as needed Courses for mid-career students (so-called working adults).

						Please refer to the syllabus and follow the necessary procedure.
	LAC.P665		Doctoral Recurrent Program 2-2	0-0-2	GA0D, GA1D	Change of course name (former course name: Doctoral Recurrent Program Advanced Practice 2-2), effective from 2022 AY. Offered in English as needed Courses for mid-career students (so-called working adults). Please refer to the syllabus and follow the necessary procedure.
	LAC.P663		Doctoral Recurrent Program 3	0-0-3	GA0D, GA1D	Change of course name (former course name: Doctoral Recurrent Program Advanced Practice 3), effective from 2022 AY. Offered in English as needed Courses for mid-career students (so-called working adults). Please refer to the syllabus and follow the necessary procedure.
	LAC.P664		Doctoral Recurrent Program 4	0-0-4	GA0D, GA1D	Change of course name (former course name: Doctoral Recurrent Program Advanced Practice 4), effective from 2022 AY.

							<p>Offered in English as needed</p> <p>Courses for mid-career students (so-called working adults).</p> <p>Please refer to the syllabus and follow the necessary procedure.</p>
<p>Note:</p> <ul style="list-style-type: none"> ★: <u>offered in English in principle</u> <p>*GA: Graduate Attributes</p>							

【Graduate Attributes (GA) Table】

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.
<ul style="list-style-type: none"> • Doctoral Career Design • Doctoral Strategy for Balancing Career, Personality and Lifestyle • Doctoral Developing Career Adaptability for Global Competitiveness • Doctoral Recurrent Program 1 • Doctoral Recurrent Program 2-1 • Doctoral Recurrent Program 2-2 • Doctoral Recurrent Program 3 • Doctoral Recurrent Program 4 	<ul style="list-style-type: none"> • Doctoral Academic Literacy • Doctoral Academic Teaching Practice • Doctoral Academic Overseas Training • Doctoral Academic Domestic Training • Doctoral Academic Presentation I • Doctoral Academic Presentation II • Doctoral Academic Presentation III • Doctoral Academic Presentation IV • Doctoral Academic Presentation V • Doctoral Social and Business Rules and Ethics • Doctoral Ethics of Scientists and Engineers • Doctoral Technical Discussion • Doctoral Technical Writing • Doctoral R&D and Business Strategies of Global Companies • Doctoral Research Internship in Private Companies 1 • Doctoral Research Internship in Private Companies 2 • Doctoral Research Internship in Private Companies 4 • Doctoral Corporate Business/R&D Strategy Planning Program • Doctoral Recurrent Program 1 • Doctoral Recurrent Program 2-1 • Doctoral Recurrent Program 2-2 • Doctoral Recurrent Program 3 • Doctoral Recurrent Program 4