

Career Development Courses

Master's Students

Master's students are required to fulfill all of the Graduate Attributes (GAs) 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. The Innovator and Inventor Development Platform (IIDP) offers 400- and 500-level Career Development Courses, as shown in Table 1. Each graduate major, or 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, also offer Career Development Courses and courses recognized as equivalent to Career Development Courses.

Whether a student has satisfied the GAs and credit requirements will be judged based on the completion requirements set forth by each graduate major. Students are required to take appropriate courses according to the completion requirements of their graduate major.

For details about Career Development Courses and their equivalents offered by each graduate major or “Specially offered degree programs,” please refer to the study guide of each graduate major and program, respectively.

While most Career Development Courses and their equivalents stipulate the acquisition of either GA0M or GA1M, some define earning both GA0M and GA1M. When students obtain credit(s) from one of this latter type of Career Development Courses and their equivalents, both GA0M and GA1M are considered to have been acquired simultaneously.

Please note that any credits attained from courses which are recognized as equivalent to Career Development Courses can be counted towards the completion requirements of the master's degree program, either for the Major Courses or for the Career Development Courses (i.e., not for both). Nevertheless, even in the cases that credits attained from courses which are recognized as equivalent to Career Development Courses are not counted as Career Development Courses towards the completion requirements of the master's degree program, GAs stipulated for those courses may be regarded as being 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	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	
	LAC.M413			Master's Career Design Practice	0-1-0	GA0M	
	LAC.M448		★	Master’s Critical Thinking	1-0-0	GA1M	
500 level	LAC.M511			Master’s Career Development Role Models	1-0-0	GA1M	
	LAC.M527			Master’s Social and Business Rules and Ethics	1-0-0	GA1M	
	LAC.M537			Master’s Contributions to the Society through Research	1-0-0	GA1M	
	LAC.M562		★	Master’s Scientific Communication	1-0-0	GA1M	
	LAC.M573			Master’s Recurrent Program 1-1	0-0-1	GA0M, GA1M	Cancelled in 2023AY (offered by each graduate major from 2023) Courses for mid-career students (so-called working adults). Please take the course offered by each graduate major.
	LAC.M574			Master’s Recurrent Program 1-2	0-0-1	GA0M, GA1M	Cancelled in 2023 AY (offered by each graduate major from 2023) Courses for mid-career students (so-called

						working adults). Please take the course offered by each graduate major.
	LAC.M575			Master's Recurrent Program 2	0-0-2	GA0M, GA1M Cancelled in 2023 AY (offered by each graduate major from 2023) Courses for mid-career students (so-called working adults). Please take the course offered by each graduate major.
<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 	<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 Scientific Communication

Doctoral Students

Doctoral students are required to fulfill all of the Graduate Attributes (GAs) shown in Table A-1 and acquire at least four credits in Career Development Courses by the time they complete their doctoral degree program. The Innovator and Inventor Development Platform (IIDP) offers 600-level Career Development Courses, as shown in Table 2. Each graduate major, or 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, also offer Career Development Courses and courses recognized as equivalent to Career Development Courses. Whether a student has satisfied the GAs and credit requirements will be judged based on the completion requirements set forth by each graduate major. Students are required to take appropriate courses according to the completion requirements of their graduate major.

For details about Career Development Courses and their equivalents offered by each graduate major or “Specially offered degree programs,” please refer to the study guide of each graduate major and program, respectively.

While most Career Development Courses and their equivalents stipulate the acquisition of either GA0D or GA1D, some define earning both GA0D and GA1D. When students obtain credit(s) from one of this latter type of Career Development Courses and their equivalents, both GA0D and GA1D are considered to have been acquired simultaneously.

Please note that any credits attained from courses which are recognized as equivalent to Career Development Courses can be counted towards the completion requirements of the doctoral degree program, either for the Major Courses or for the Career Development Courses (i.e., not for both). Nevertheless, even in the cases that credits attained from courses which are recognized as equivalent to Career Development Courses are not counted as Career Development Courses towards the completion requirements of the doctoral degree program, GAs stipulated for those courses may be regarded as being 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
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	
	LAC.C643		★	Doctoral Developing Career Adaptability for Global Competitiveness	1-0-0	GA0D	
	LAC.A621			Doctoral Academic Literacy	1-0-0	GA1D	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	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	Offered in English as needed The application document for this course is necessary. As a general rule, courses cannot be taken within six months of admission to the doctoral program.
	LAC.A639			Doctoral Academic Domestic Training	0-0-1	GA1D	Offered in English as needed The application document for this course is necessary As a general rule, courses cannot be taken within six months of admission to the doctoral program.

	LAC.A641			Doctoral Academic Presentation I	0.5-0.5-0	GA1D	As a general rule, courses cannot be taken within six months of admission to the doctoral program.
	LAC.A642			Doctoral Academic Presentation II	0.5-0.5-0	GA1D	As a general rule, courses cannot be taken within six months of admission to the doctoral program.
	LAC.A643			Doctoral Academic Presentation III	0.5-0.5-0	GA1D	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	Cancelled in 2023 AY
	LAC.A645			Doctoral Academic Presentation V	0.5-0.5-0	GA1D	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	
	LAC.C621			Doctoral Ethics of Scientists and Engineers	1-0-0	GA1D	
	LAC.C651		★	Doctoral Technical Discussion	0-1-0	GA1D	
	LAC.C657		★	Doctoral Technical Writing	0-1-0	GA1D	
	LAC.C663		★	Doctoral R&D and Business Strategies of Global Companies	1-0-0	GA1D	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	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	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	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	
	LAC.P651		Doctoral Case Studies on Corporate Management Strategies and Business Models	1-0-0	GA1D	Creation of new course, effective from 2023 AY
	LAC.P661		Doctoral Recurrent Program 1	0-0-1	GA0D, GA1D	Cancelled in 2023 AY (offered by each graduate major from 2023) Courses for mid-career students (so-called working adults). Please take the course offered by each graduate major.
	LAC.P662		Doctoral Recurrent Program 2-1	0-0-2	GA0D, GA1D	Cancelled in 2023 AY (offered by each graduate major from 2023) Courses for mid-career students (so-called working adults). Please take the course offered by each graduate major.
	LAC.P665		Doctoral Recurrent Program 2-2	0-0-2	GA0D, GA1D	Cancelled in 2023 AY (offered by each graduate major from 2023) Courses for mid-career students (so-called working adults). Please take the course offered by each graduate major.

	LAC.P663			Doctoral Recurrent Program 3	0-0-3	GA0D, GA1D	Cancelled in 2023 AY (offered by each graduate major from 2023) Courses for mid-career students (so-called working adults). Please take the course offered by each graduate major.
	LAC.P664			Doctoral Recurrent Program 4	0-0-4	GA0D, GA1D	Cancelled in 2023 AY (offered by each graduate major from 2023) Courses for mid-career students (so-called working adults). Please take the course offered by each graduate major.
<p>Note:</p> <ul style="list-style-type: none"> ★: offered in English in principle <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.
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<ul style="list-style-type: none"> • Doctoral Career Design • Doctoral Strategy for Balancing Career, Personality and Lifestyle • Doctoral Developing Career Adaptability for Global Competitiveness 	<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 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 Case Studies on Corporate Management Strategies and Business Models
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