

Career development courses

【Master's Student】

Master's students are required to acquire the necessary credits in the career development courses with fulfilling all the Graduate Attributes (GA) shown in Table MA-1 by the end of your master's degree program. In addition to the career development courses each course offers for acquisition of GA, career development courses are offered which are in the 400s and 500s as shown in Table 1. Take appropriate courses according to the completion requirements of your master's degree program. 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.

Table MA-1 Master's Degree Program Graduate Attributes

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.

Table 1: Master's Degree Program courses

Course category	Course number	Course			Credits	GA*	Comments
400 level	LAC.M401.L			Master's Career Design I	1-0-0	C0M	
	LAC.M402.L			Master's Career Design II	1-0-0	C0M	
	LAC.M403.L		★	Master's Career Design III E	1-0-0	C0M	
	LAC.M413.L			Master's Career Design Practice	0-1-0	C0M	
	LAC.M431.L			MLP Practice	1-0-0	C0M	
	LAC.M443.L		★	Master's Developing Career Adaptability for Global Competitiveness	1-0-0	C1M	
	LAC.M448.L		★	Master's Critical Thinking	1-0-0	C1M	
	LAC.M451.L		★	Master's Technical Discussion	0-1-0	C1M	

	LAC.M457.L		★	Master's Technical Writing	0-1-0	C1M	
500 level	LAC.M511.L			Master's Career Development (Common)	1-0-0	C0M	
	LAC.M521.L			Ethics of Scientists (Master Course)	1-0-0	C0M C1M	
	LAC.M525.L			Ethics of Engineers (Master Course)	1-0-0	C0M C1M	
	LAC.M537.L			Social Contributions through Research	1-0-0	C1M	
	LAC.M562.L			Master's Scientific Communication	1-0-0	C1M	
<p>Note :</p> <ul style="list-style-type: none"> • ★: <u>offered in English in principle</u> • *GA: Graduate Attribute • 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) 							

【Doctoral Student】

Doctoral degree program students are required to fulfill the following conditions;

- Register in either the Academic Leader Program (ALP) or the Productive Leader Program (PLP) based on their individual career plans. IIDP will ask you the registration of the programs 6 months after your doctoral degree program started.
- Each program will require the acquisition of Graduate Attributes (GA) shown below. Through career development courses established by the IIDP, or equivalent courses specified by your department, the students are required to earn 4 credits which should meet the 4 Graduate Attributes (GAs).
- 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.

(※1) Students enrolled in the educational program for leading graduate schools may be offered courses recognized as equivalent to Career Development Courses besides those listed here. For details about available courses or completion requirements, please refer to the Study Guide of the Academy that offers the relevant program. In addition, when making a change in registration from the curriculum to ALP or PLP, GAs attained as career skills in the educational program can be carried over to ALP or PLP.

Table A-1 Academic Leader Program (ALP) Graduate Attributes

A0D	You will be able to precisely draw your own career plan and self-train yourself to acquire the skills required for attaining your goals in the academic field
A1D	You will be able to ascertain the true nature of phenomena, master the secret of learning, and lead the pioneering of a new academic discipline or research area
A2D	You will be able to understand the position of academia in society, and adequately explain the academic progress to members of society, which is the stakeholder
A3D	You will be able to nurture junior students in educational institutions, inculcating in them an interest in academics and enabling them to later join in the pioneering of new academic disciplines or research areas

Table A-2 Productive Leader Program (PLP) Graduate Attributes

P0D	You will be able to precisely draw your own career plan and self-train yourself to acquire the skills required for attaining your goals in the industry, etc.
P1D	You will be able to precisely grasp the needs of society and detect its problems, and lead the future developments in science and technology
P2D	While leading teams consisting of members with varied specialties and value systems, you will be able to create products and enterprises that bring forth new values in the society
P3D	Through the project, you will be able to nurture junior students, enabling them to later join in the development of next generation society and industry

(※1) Updated in October, 2018

Table 2: Doctoral Degree Program courses

Course category	Course number	Course		Credits	GA*	Comments
600 level	LAC.A621.L		ALP Introduction	1-0-0	A1D	
	LAC.A631.L		ALP Practice I (Teaching Practice)	0.5-0-0.5	A2D, A3D	
	LAC.A635.L		ALP Practice II (Overseas Training)	0-0-1	A2D, A3D	
	LAC.A641.L		ALP Advanced Practice I	0-0-1	A1D, A2D, A3D	
	LAC.A642.L		ALP Advanced Practice II	0-0-1	A1D, A2D, A3D	
	LAC.A643.L		ALP Advanced Practice III	0-0-1	A1D, A2D, A3D	
	LAC.A644.L		ALP Advanced Practice IV	0-0-1	A1D, A2D, A3D	
	LAC.C601.L		Doctoral Career Design I	1-0-0	A0D, P0D	
	LAC.C602.L		Doctoral Career Design II	1-0-0	A0D, P0D	
	LAC.C603.L	★	Doctoral Career Design III E	1-0-0	A0D, P0D	
	LAC.C643.L	★	Developing Career Adaptability for Global Competitiveness	1-0-0	A2D, A3D, P2D, P3D	
	LAC.C648.L	★	Critical Thinking	1-0-0	A2D, A3D, P2D, P3D	
	LAC.C651.L	★	Technical Discussion	0-1-0	A2D, A3D, P2D,	

					P3D	
LAC.C657.L		★	Technical Writing	0-1-0	A1D, P1D	
LAC.C662.L		★	Scientific Communication	1-0-0	A2D, A3D, P2D, P3D	
LAC.P622.L			PLP Introduction	1-0-0	P1D	
LAC.P632.L			PLP Practice	0-0-1	P2D, P3D	
LAC.P642.L			PLP Advanced Practice	0-1-0	P1D, P2D, P3D	
LAC.P652.L			R&D Activities of Global companies I	1-0-0	P1D	
LAC.P653.L		★	R&D Activities of Global companies III	1-0-0	P1D	
LAC.P654.L			R&D Activities of Global companies II	1-0-0	P1D	
LAC.P657.L			Technology Management Practice	1-0-0	P1D	
LAC.P661.L			Recurrent Program Advanced Practice 1	0-0-1	P0D, P1D, P2D, P3D	
LAC.P662.L			Recurrent Program Advanced Practice 2	0-0-2	P0D, P1D, P2D, P3D	
LAC.P663.L			Recurrent Program Advanced Practice 3	0-0-3	P0D, P1D, P2D, P3D	
LAC.P664.L			Recurrent Program Advanced Practice 4	0-0-4	P0D, P1D, P2D,	

					P3D	
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Note:

- ★: offered in English in principle

***GA: Graduate Attribute**

- 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): A (Academic Leader Program), P (Productive Leader Program), C (Common for both programs)

GA Table

Subjects written in Japanese are lectured in Japanese.

Graduate Attributes (GA) Table				
ALP				
AOD	A1D	A2D	A3D	
博士キャリアデザインⅠ 博士キャリアデザインⅡ Doctoral Career DesignⅢE	ALP研修基礎 ALP発展研修Ⅰ ALP発展研修Ⅱ ALP発展研修Ⅲ ALP発展研修Ⅳ Technical Writing	ALP研修Ⅰ(ティーチング) ALP研修Ⅱ(海外研修) ALP発展研修Ⅰ ALP発展研修Ⅱ ALP発展研修Ⅲ ALP発展研修Ⅳ Technical Discussion Scientific Communication Critical Thinking Developing Career Adaptability for Global-Competitiveness	ALP研修Ⅰ(ティーチング) ALP研修Ⅱ(海外研修) ALP発展研修Ⅰ ALP発展研修Ⅱ ALP発展研修Ⅲ ALP発展研修Ⅳ Technical Discussion Scientific Communication Critical Thinking Developing Career Adaptability for Global-Competitiveness	
PLP				
POD	P1D	P2D	P3D	
博士キャリアデザインⅠ 博士キャリアデザインⅡ Doctoral Career DesignⅢE	グローバル企業の研究開発実践論Ⅰ グローバル企業の研究開発実践論Ⅱ R&D Activities of Global companiesⅢ R&D Activities of Global companiesⅣ テクノロジーマネジメント実践論 PLP研修基礎 PLP発展研修 Technical Writing	PLP研修 PLP発展研修 Technical Discussion Scientific Communication Critical Thinking Developing Career Adaptability for Global-Competitiveness F	PLP研修 PLP発展研修 Technical Discussion Scientific Communication Critical Thinking Developing Career Adaptability for Global-Competitiveness	