Attachment Form 1

Description of Major Program

Name of Faculty (Department) [School of Applied Biological Science (Department of Applied Biological Science)]

Name of Program	Applied Biological Science Program
1. Degree to be obtained	ed: Bachelor of Agriculture

2. Overview

The School of Applied Biological Science aims to educate students to acquire a wide range of knowledge and understanding in the realms of the natural and social sciences related to applied biology. Specifically, we provide education that allows students to acquire basic knowledge regarding food production, biotic resources, and biotechnology, gain experience in field science, understand

organizations for agriculture and fisheries, or in fields of business related to agriculture, foods, and chemical-pharmaceutical products.

3. Diploma policy (policy for degree conferment and target to be achieved in the program)

In the Applied Biological Science Program, students are required to take subject classes provided in English or Japanese

for each student.

5. Start time and acceptance conditions

The School of Applied Biological Science holds the entrance examination collectively for the Department of Applied Biological Science. For the Applied Biological Science Program, students' wishes in terms of allocation are considered at an early stage in the 1st semester of the 1st academic year. Then selection of students is conducted based on their grades (principally for English) when the student entered the university, as well as the score of an external test of English language ability. From the first semester of the first academic year onward, students take special liberal arts subjects that mainly consist of subjects provided in English that are directed towards studying abroad for a short time (seminar for developing intelligence, Peace Science Courses, Introduction to University Education, Information Courses, disciplinary subjects, and subjects regarding health & sports). They take specialized fundamental subjects along with liberal arts subjects in order to acquire the basic knowledge that is common to the various academic areas studied in the School of Applied Biological Science. From the second semester of the second academic year onward, students take subjects provided in English in order to study specialized areas studied at the School of Applied Biological Science, crossing the borders between them. In addition to this, they study under a curriculum that is tailor-made for each student by combining specialized subjects provided for the four core areas with lectures, exercises, and task-based research at the overseas partner university.

6. Class subjects and their contents

- * For the class subjects, refer to the subject table in Attachment 1.
- * For the details of the class subjects, refer to the syllabus that is published for each academic year.

7. Academic achievement

The evaluation criteria are specified for each academic achievement evaluation item, and the achievement level against the criteria is determined at the end of the semester.

Achievement evaluation Numerical

The evaluation score for each evaluation item is converted to a numerical value (S=4, A=3, B=2, and C=1), and the evaluation standard for academic achievement, from when the student entered the university to the end of the semester, is determined using these values while applying weightings. The evaluation standards consist of three levels, i.e. Excellent, Very Good, and Good.

Study achievement	Evaluation
	standard
Excellent	3.00 - 4.00
Very Good	2.00 - 2.99
Good	1.00 - 1.99

Achievement evaluation Numerical conversion S (Excellent: 90 or 4 more points) A (Very good: 80 - 89 3 points) B (Good: 70 79 2 points) C (Passed: 60 - 69 1 points)

- * Refer to the relationship between evaluation items and evaluation criteria described in Attachment 2.
- * Refer to the relationship between evaluation items and class subjects described in Attachment 3.
 - * Refer to the curriculum map in Attachment 4.
- 8. Graduation thesis (graduation research) (meaning, student allocation, timing, etc.)

(1) Purpose

The graduation research in this program (Graduate Thesis) aims to allow the student to dedicate himself/herself to cutting-edge research in order to systematically gain understanding of problems and their background in the field of applied biological science, as well as to acquire comprehensive capabilities while analyzing and considering the obtained results and presenting the results in English both orally and in writing.

(2) Overview and meaning

Students conduct the graduate research under the guidance of their supervisor. Through their graduation research, students engage with the process consisting of understanding the situation (comprehension ability and intelligence), identification of problems (analysis ability and insight), and presentation of the results (proposal and execution ability), and, by doing so, they acquire the capability and skills required to work as experts after their graduation.

Students learn the basic concepts and attitude fundamentally required for research activities, establish a plan for their research, study methods for the research and experiments, and carry out

9. Responsibility

(1) Responsibility for PDCA (plan, do, check, and act) cycle

The education affairs committee of school and the faculty members who provide the lectures are engaged in the processes of "plan" and "do"

The faculty committee of the program plans and executes the major program on their own responsibility. A chief faculty member is designated as the supervisor of the program.

The education affairs committee of the school exercises control over the major programs provided in the school.

The education affairs committee of the department consists of members who are elected for each program, a chairman who is chosen by the school, and another member.

The education reform promotion committee is engaged in the process of "check."

The education reform promotion committee consists of members who are elected in each program, a chairman who is chosen by the school, the chairman of the education affairs committee of the school, an assistant chief of the graduate course, and the other member(s).

The education reform promotion committee reviews and evaluates the major programs provided in each program, reports the results to the education affairs committee of the school and the programs, and provides advice and recommendations.

The faculty committee of the program that takes the responsibility for execution of the major program is engaged in the process of "act."

The faculty committee of the program and the education affairs committee of the school prepare and execute a plan for improvement taking the report, advice, and recommendations that are provided by the education reform promotion committee after the check process into consideration.

A tutor is designated for each program to provide direction regarding study and life.

A supervisor is designated in to each student in the program to provide guidance regarding the graduation thesis. The mentor guides the students through the process of the graduation research until they graduate.

The faculty committee of the program, the education affairs committee of the school, and the education reform promotion committee cooperate with each other to execute their roles with responsibility in the cycle of "plan", "do", "check", and "act" to improve the education provided at the school.

(2) Evaluation of program

Viewpoints for evaluation of program

The Fisheries Biology Program is evaluated from the viewpoints of "educational effectiveness" and "social effectiveness."

The "educational effectiveness" is evaluated by effects of the program execution on educational achievement in students.

The "social effectiveness" is evaluated by effects of the educational achievement in the program on the society.

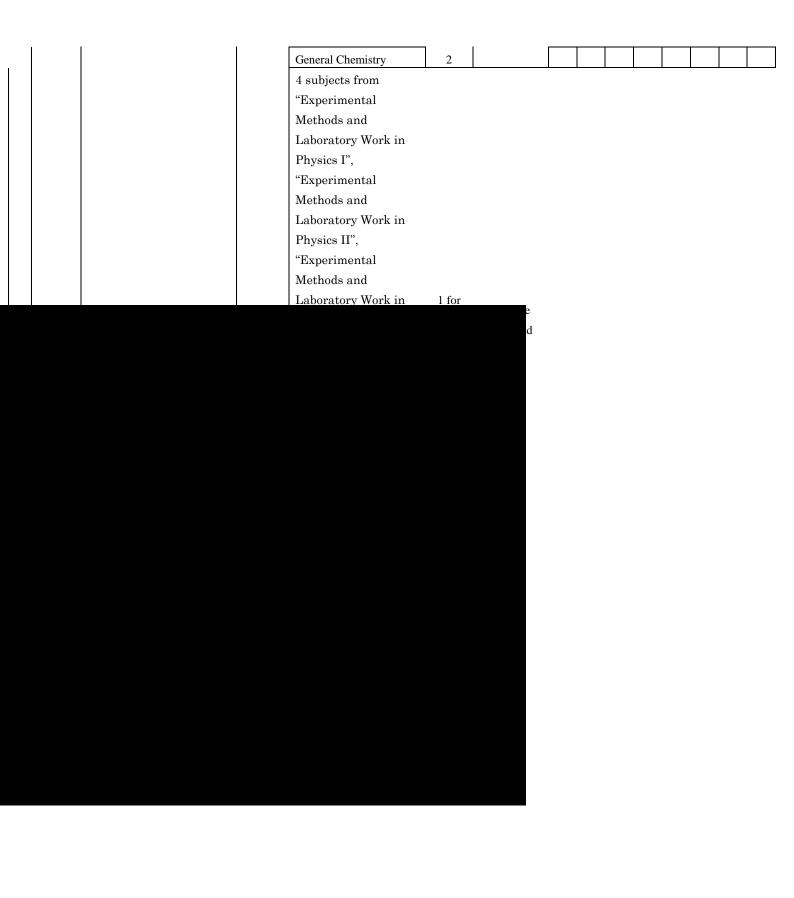
Evaluation method

In this program, the achievement in the program is evaluated from the viewpoints described above for students in the second semester of the fourth year. For the "educational effectiveness", the results and achievement of the students who took the program are evaluated comprehensively by the group of faculty members who are engaged in the execution of the program. Also, the level of achievement of all the students is evaluated and reviewed. The "social effectiveness" is evaluated based on such things as the rate of employment in corporations that have a close connection with the contents of this program and the pass rate in public servant examinations. We regularly request a human resources staff member of a company that employs mainly students of this program to evaluate this program. In addition to that, we request graduates of this program to evaluate both their own achievement and that of the program. The staff in the company and graduates are requested to provide evaluation and advice regarding whether the class subjects and their contents in this program were effective for social activities, whether the contents of class appropriately corresponded to the changes in science, technology, and society, and any class subjects that would be required for the future.

Policy and method for feedback to students

The education reform promotion committee regularly conducts inquiries and interviews for students to review and evaluate the program, improve the contents of the program, and provide advice and recommendations for improvement.

										Year	in wh	ich th	e subj	ect is t	aken	
					Required			Type of	1 st g	rade	2 nd g	rade	3 rd g	rade	4 th g	rade
Туре		Su	bject	type	No. of credits	Class subjects	No. of credits	course registration	Springs	Fall	Springs	Fall	Springs	Fall	Springs	Fall
	Pea	ace S	cience	e Courses	2	(Note2)	2	Required								
	Basic Courses in	Inti	for F	tory Seminar irst-Year udents	2	Introductory Seminar for First-Year Students	2	Required								
	Basic Co	Un		luction to ty Education	2	Introduction to University Education (Note2)	2	Required								
				Basic		Communication Basic I	1									
				English Usage	2	Communication Basic II	1	Required								
				Communic		Communication I A	1									
				ation I	2	Communication I B	1	Required								
			English	Communic	2	Communication II A	1	D : 1								
			Eng	ation II	2	Communication II B	1	Required								
		ses				Field Research in the	1-4	Elective								
		ıguaş			1	English-speaking World	1 '	Required								
uo		Foreign Languages				Advanced English for	1	Elective								
ucati	Sducation	reigi				Communication		Required								
s Edı	Liberal Arts Education Common Subjects					Basic Foreign Language I	1									
lberal Art	ommon S		Non-English Foreign			Basic Foreign Language II	1	Elective								
	ŭ		(Sele	guages ect one	4	Basic Foreign Language	1	Required								
			lai	nguage)		Basic Foreign Language IV	1									
		Inf	ormat	tion Courses	2	(Note2)	2	Required								
			Area	Courses	9	(Note2)(Note3)	1 or 2	Elective/ Required								
	Н			and Sports	2	Take subjects of Health and Sports that are provided in English	1 or 2	Elective Required								
						Basic Calculus or Elements of Calculus (Note4)	2	Required								
	r	ouiid	auton	Courses	14	Organic Chemistry	2	Required								
		Foundation Courses			Species Biology	2										
						Cell Science	2									



Note 1: The year indicated with a circle mark represents that in which students typically take the subject. The year with a double circle mark indicates the year in which students are highly recommended to take the subject. Students are allowed to take the subject in any year after that indicated with a circle or double circle mark. It is required to confirm the semester in which the subject is provided in the class schedule for liberal arts education subjects in the Students' Handbook because some subjects might be provided in different semester from that which is provided in this document.

Table of Registration Standards (Specialized Fundamental Subjects)

(Applied Biological Science Program)

					Ye	ar in w	hich th	e subje	ct is tal	ken	
	Required			1 st g	rade	2 nd g	grade	3 rd g	rade	4 th g	rade
Subject type	No. of credits	Class subjects	No. of credits	Springs	Fall	Springs	Fall	Springs	Fall	Springs	Fall
		Introduction to Applied	2	0							
		Biological Science I									
		Introduction to	2	0							
		Microbiology									
		Introduction to Molecular	2		\circ						
		Biochemistry									
70		Agricultural Production	2		\circ						
ects		Resources									
idb		Physics for Applied	2		\circ						
al S		Biological Science									
lized Fundamental Su		Ethics of Science and	2		\circ						
ıdam	24	Technology									
Fun			2								
pəz			2			0					
ali;		_									
)eci		-	1			0					
Si											
		-	1			0					
			1								
		-									
		·	1								
		-			TT- 4	-1.00	111				
-	Specialized Fundamental Subjects	credits	Subject type No. of credits Introduction to Applied Biological Science I Introduction to Microbiology Introduction to Molecular Biochemistry Agricultural Production Resources Physics for Applied Biological Science Ethics of Science and Technology Statistics in Biology Environmental Sciences for Bioproduction Laboratory Work in General Biology I Laboratory Work in General Biology II Laboratory Work in General Chemistry Laboratory Work in General Chemistry Laboratory Work in General Physics	Subject type No. of credits Introduction to Applied Biological Science I Introduction to Molecular Introduction to Molecular Biochemistry Agricultural Production Resources Physics for Applied Biological Science Ethics of Science and Technology Statistics in Biology Environmental Sciences for Bioproduction Laboratory Work in General Biology II Laboratory Work in General Chemistry Laboratory Work in General Chemistry Laboratory Work in General Physics	Subject type Required No. of credits Class subjects No. of credits	Subject type Required No. of credits Introduction to Applied 2	Required No. of credits Class subjects No. of credits	Subject type Required No. of credits Subject type	Subject type Required No. of credits Class subjects Class subjects Class subjects Required No. of credits Introduction to Applied Biological Science I Introduction to Molecular Biochemistry Agricultural Production Resources Physics for Applied Biology Statistics in Biology Environmental Sciences Constitution Laboratory Work in General Biology II Laboratory Work in General Physics Class subjects Required No. of credits Required	Required No. of credits Subject type Required No. of credits Class subjects No. of credits No. of	Subject type Required No. of credits No. of credits

Introduction to Applied	2		0						
Biological Science II									
Seminar in Field Science	2		0						
Research Front of	2		\circ						
Applied Biological									
Sciences									
Overseas Exercise of	2			0					
Applied Biological									
Science I									
Overseas Exercise of	1~2			0					
Applied Biological									
Science II									
Introduction to	2			0					
Physiology									
Public Health	2						\bigcirc		
	Elective	Requi	red Su	bjects					
Tal	ke 4 credi	ts fron	ı abov	e subj	ects				
(Redundant credits over	r 4 credit	s mo	ve to	o Elec	tive S	ubject	s in Ap	plied	
	Biologica	l Scier	nce Pr	ogram	1)				

						Yea	r in which th	ne subject is t	aken	
		Required				1 st grade		1 st grade		
Туре	Subject type	No. of credits		Class subjects	No. of credits	Springs Fall	Springs Fall	Springs Fall	Springs	Fall
				ged subjects provided in overseas r university (Note1)	12					
			Specia	dized subjects packaged for each area	10					
			(Note	2)						
			Gradu	ate Thesis I	2					
			Gradu	ate Thesis II	2					
			Gradu	ate Thesis III	2					
			Gradu	ate Thesis IV	2					
				a ea -	a o	30cre	dits			
jects	jects			Global Environmental Issues and Managements	3					
dnS I	qnS I		ote3)	Modern Food Science	3					
Specialized Subjects	Specialized Subjects	56	p(Ne	Insect Science	3					
peci	peci		grou	Fish Production	3					
	∞		bject	Plankton Biology	3					
			ns ys	Animal Science and Technology	3					
			Engli	Physiology of Field Crop Production	3					
			Specialized English subject group (Note3)	Introduction Physiology of Domestic Animals	3					
			Speci	Molecular-level Understanding of Functionality of Foods	3					
				Resource Management	3					
				ubjects	180	credits	•			
				Elective Subjects	8c	redits(Note	4 7)			

		(Note 1) For the "Destroyed subjects provided in express portron university" students are seried.
		(Note 1) For the "Packaged subjects provided in overseas partner university," students are required
		to select a specific subject by themselves to earn the credit in the destination university.
		(Note 2) "Specialized subjects packaged for each area" are composed as a subject group that
		consists of subjects selected from core disciplines for each of the 4 major programs (Integrated
		Hydrosphere Science, Applied Animal & Plant Sciences, Food Science, and Molecular
		Agricultural and Life Science) according to the study plan prepared by the mentor. Subject
		groups consist of different subjects for each student.
		(Note 3) For "Specialized English subject group," it is required to take 3 unit subjects that include
		the exercise class for foreign students in AIMS program and earn 18 credits for 6 subjects or
		more. Note that the classes of the subject are provided from the last 10 days of September to the
		end of December.
		(Note 4) Any credit for a specialized subject for the four other major programs is accepted as a
		credit for elective subject.
		(Note 5) Any credit for an elective required subject among specialized fundamental subjects is accepted
		as a credit for elective subject.
		(Note 6) Any credit for a subject in the specialized English subjects group that is earned beyond
		the requirement of 18 credits is accepted as a credit for elective subject.
		(Note 7) It is not allowed to include liberal arts subjects and subjects in the teacher training courses.
Total	124	

[Credits required for graduation] 124 credits (44 credits for liberal arts education subjects + 24 credits for specialized fundamental subjects + 56 credits for specialized subjects)

Results of study in Applied Biological Science Program Relation between evaluation items and evaluation criteria

			Study achievement		Evaluation criteria	
			Evaluation items	Excellent	Very Good	Good
d	K ln	(1)	disciplinary thinking and knowledge /	and cross-disciplinary thinking and capability to see a phenomenon from a broad, top-down perspective and to take	and cross-disciplinary thinking and capability to see a phenomenon from a broad, top-down perspective and to take	Has basic ability for comprehensive and cross-disciplinary thinking and capability to see a phenomenon from a broad, top-down perspective and to take action for solving problems regarding the specialized area.
r s t a	e o l w s l s e d	(2)	Basic knowledge and understanding required for acquiring expertise	understanding required for acquiring expertise, and is capable of explaining this knowledge while associating it with items related to other areas.	understanding required for acquiring expertise, and is capable of sufficiently explaining this knowledge while associating it with items related to	Has fundamental knowledge and profound understanding required for acquiring expertise, and is capable of providing basic explanation of this knowledge while associating it with items related to other areas.
i	l e ;	(3)	Knowledge and understanding regarding applied biological sciences	integrated hydrosphere science, applied animal & plant science, food science, and molecular agricultural and life science that are related to applied biological science, and is capable of fully	integrated hydrosphere science, applied animal & plant science, food science, and molecular	Has fundamental knowledge of areas regarding integrated hydrosphere science, applied animal & plant science, food science, and molecular agricultural and life science that are related to applied biological science.

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Relation between evaluation items and class subjectsRelation between evaluation items and class subjectsRelation between evaluation items and class subjects

					Evalu	ation i	tem														
		Numbe		Semester when	Know	ledge	& und	erstand	ling		Abilit	y & sk	ills				Comprehensive capability				Total of weightings
Subject	runic of class	Numbe r of	or	the class is	(1)		(2)		(3)		(1)		(2)	(3)	(4)		(1)		(2)		for
category	subject	credits		provided	Weighti ng for evaluation item for the subject	Weighti ng for evaluatio n item	Weighti ng for evaluation item for the subject		Weighti ng for evaluatio n item for the subject	Weighti ng for	Weighti ng for evaluatio n item for the subject	Weighti ng for	Weighti ng for evaluation item for the subject	Weighti ng for evaluation item for the subject	Weighti ng for evaluation item for the subject	Weighti ng for evaluation	evaluatio	Weighti ng for evaluatio n item	evaluatio	Weighti ng for evaluation	evaluation items for the subject
Liberal arts education subjects	Peace Science Courses	2	Required	1st semester	100	1															100
Liberal arts education subjects	Introductory Seminar for First-Year Students	2	Required	1st semester	100	1															100
Liberal arts education subjects	Introduction to University Education	2	_	1st semester	100	1															100
Liberal arts education subjects	Foreign Languages	11	Required / Elective required	semesters							60	1			40	1					100
Liberal arts education subjects	Information Courses	2	Required	1st semester1st semester1st semester							100	1									100
Liberal arts education subjects	Area Courses	9	Elective required	1st - 6th semesters	100	1															100
Liberal arts education subjects	Health and Sports Courses	2	Elective required	1st - 2nd semesters							100	1									100
Liberal arts education subjects	Basic Calculus or Elements of Calculus	2	Required	1st semester			100	1													100
Liberal arts education subjects	Organic Chemistry	2	Required	2nd semester			100	1													100
Liberal arts education subjects	Species Biology	2	Required	2nd semester			100	1													100
Liberal arts education subjects	Cell Science	2	Required	2nd semester			100	1													100
Liberal arts education subjects	General Chemistry	2	Required	1st semester			100	1													100

Liberal arts education subjects	"Experimental Methods and Laboratory Work in Physics I" and "Experimental Methods and Laboratory Work in Physics II"	2	Elective required	1st - 3rd semesters						100	1					100
Liberal arts education subjects	"Experimental Methods and Laboratory Work in Chemistry I" and "Experimental Methods and Laboratory Work in Chemistry II"	2	Elective required	1st - 3rd semesters						100	1					100
Liberal arts education subjectsLiberal arts education subjects	"Experimental Methods and Laboratory Work in Biology I" and "Experimental Methods and Laboratory Work in Biology II"	2	Elective required	1st - 3rd semesters						100	1					100
Specialized subjects	Introduction to Applied Biological Science I	2	Required	1st semester		100	1									100
Specialized subjects	Introduction to Microbiology	2	Required	1st semester		100	1									100
Specialized subjects	Introduction to Molecular Biochemistry	2	Required	2nd semester		100	1									100
Specialized subjects	Agricultural Production Resources	2	Required	2nd semester\		100	1									100
Specialized subjects	Physics for Applied Biological Science	2	Required	2nd semester		100	1									100
Specialized subjects	Ethics of Science and Technology	2	Required	2nd semester		100	1									100
Specialized subjects	Statistics in Biology	2	Required	3rd semester		100	1									100
Specialized subjects	Environmental Sciences for Bioproduction	2	Required	3rd semester		100	1									100
Specialized subjects	Laboratory Work in General Biology I	1	Required	3rd semester						100	1					100
Specialized subjects	Laboratory Work in General Biology II	1	Required	3rd semester						100	1					100
Specialized subjects	Laboratory Work in General Chemistry	1	Required	3rd semester						100	1					100
Specialized subjects	Laboratory Work in General Physics	1	Required	3rd semester						100	1					100
Specialized subjects	Introduction to Applied Biological Science II	2	Elective required	2nd semester		100	1									100
Specialized subjects	Seminar in Field Science	2	Elective required	2nd semester		100	1									100

Specialized subjects	Research Front of Applied Biological Sciences	2	Elective required	2nd semester	50	1											50	1			100
Specialized subjects	Overseas Exercise of Applied Biological Science I	2	Elective required	3rd semester			50	1							50	1					100
Specialized subjects	Overseas Exercise of Applied Biological Science II	1月2日	Elective required	3rd semester			50	1							50	1					100
Specialized subjects	Introduction to Physiology	2	Elective required	3rd semester			100	1													100
Specialized subjects	Public Health	2	Elective required	6th semester			100	1													100
Specialized subjects	Global Environmental Issues and Managements	3	Elective required	4th semester					100	1											100
Specialized subjects	Modern Food Science	3	Elective required	4th semester					100	1											100
Specialized subjects	Insect Science	3	Elective required	4th semester					100	1											100
Specialized subjects	Fish Production	3	Elective required	4th semester					100	1											100
Specialized subjects	Plankton Biology	3	Elective required	4th semester					100	1											100
Specialized subjects	Animal Science and Technology	3	Elective required	4th semester					100	1											100
Specialized subjects	Physiology of Field Crop Production	3	Elective required	4th semester					100	1											100
Specialized subjects	Introduction physiology of Domestic Animals	3	Elective required	4th semester					100	1											100
Specialized subjects	Molecular-level Understanding of Functionality of Foods	3	Elective required	4th semester					100	1											100
Specialized subjects	Packaged subjects provided in overseas partner university	12	Required	4th, 6th, and 8th semesters											80	1			20	1	100
Specialized subjects	Specialized subjects packaged for each area	10	Required	5th - 8th semesters									100	1							100
Specialized subjects	Graduate Thesis I	2	Required	5th semester													20	1	80	1	100
Specialized subjects	Graduate Thesis II	2	Required	6th semester				_			 						20	1	80	1	100
Specialized subjects	Graduate Thesis III	2	Required	7th semester													20	1	80	1	100
Specialized subjects	Graduate Thesis IV	2	Required	8th semester													20	1	80	1	100

Curriculum map for Applied Biological Science Program

ac	Study achievementStudy schievementStudy achievement	1st	year	2nd	year	3rd	year	4th year		
	Evaluation items	1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester	7th semester	8th semester	
	Knowledge and understanding required to	Peace Science Courses (©)	Research Front of Applied Biological Sciences (O)							
	see a phenomenon from a broad, top-down perspective and for action based on	Seminar for developing intelligence (©)								
	comprehensive and cross- disciplinary thinking	Introduction to University Education (©)								
		Area Courses subje								
		Basic Calculus / Elements of Calculus (©)	Organic Chemistry	Statistics in Biology (©)			Public Health (O)			
anding		General Chemistry	Cell Science (©)	Environmental Sciences for Bioproduction (©)						
dersta		Introduction to Applied Biological Science I(©)	Species Biology (⊚)							
dge & un		Introduction to Microbiology ()	Introduction to Molecular Biochemistry (©)	Introduction to Physiology (O)						
dingKnowle	Basic knowledge and understandings required for		Agricultural Production Resources (©)	Overseas Exercise of Applied Biological Science I (O)						
ledge & understandingKnowledge & understanding	acquiring expertise		Physics for Applied Biological Science (©)	Overseas Exercise of Applied Biological Science II (O)						
ledge &			Introduction to Applied Biological Science II (O)							

8		Ethics of Science			
Ş		and Technology			
٦		(©)			
& understandingKnow		Introduction to			
ä					
ısı		Molecular			
۱		Biochemistry (©)			
J		Seminar in Field			
		Science (O)			
de			Global Environmental		
e			Issues and Managements		
١≥			(O)		
Knowledge			Modern Food Science (O)		
			Insect Science (O)		
			` '		
			Fish Production (O)		
	Knowledge and				
	understanding regarding		Plankton Biology (O)		
	applied biological sciences		Animal Science and		
			Technology (O)		
			Physiology of Field Crop		
			Production (O)		
			Introduction physiology of		
			Domestic Animals (O)		
			Molecular-level		
			Understanding of		
			Functionality of Foods (O)		

_									
	Basic communication,	Foreign Languages	(O)(©)						
	information processing, and	Information							
	physical activities	Courses (⊚)							
		Health and Sports C	ourses (O)						
		"Experimental Met	thods and Laboratory	Work in Physics I"					
		"Experimental Meth	ods and Laboratory \	Nork in Chemistry I"					
		"Experimental Metho	ods and Laboratory V	Vork in Biology I" and					
				Laboratory Work in					
	Dagia avpariment abilities			General Biology I &					
	Basic experiment abilities			II (⊚)					
	and skills required for			Laboratory Work in					
<u>s</u>	acquiring expertise			General Chemistry					
skills				(©)					
≪				Laboratory Work in					
∰				General Physics					
Ab				(◎)					
skillsAbility &	Intellectual ability and skills for research areas regarding applied biological sciences					Spe	ecialized subjects pac	kaged for each area	(©)
∞ _									
Ability									
A				Overseas Exercise	De alca ward auchia ata		Dealer and subjects		Dools and outlines
					Packaged subjects		Packaged subjects		Packaged subjects
				of Applied	provided in		provided in		provided in
				Biological Science I			overseas partner		overseas partner
	Scientific English ability			(O)	university (©)		university (⊚)		university (©)
	required for reading			Overseas Exercise					
	specialized treatises and			of Applied					
	providing presentations in			Biological Science					
	English			II (O)					
		Foreign Languages	(O)(@)						
		- Oroigii Lariguages	(0)(0)						

	Ability to collect information related to peripheral disciplines to complement	Research Front of Applied Biological Sciences (O)		Graduate Thesis I (©)	Graduate Thesis II (©)	Graduate Thesis III (©)	Graduate Thesis IV (©)
ý	the knowledge regarding the specialized area and consider issues regarding applied biological science from diversified points of view						
sive capability				Graduate Thesis I (⊚)	Graduate Thesis II (©)	Graduate Thesis III (⊚)	Graduate Thesis IV (©)
Comprehensive	represent own conclusion orally or in writing, and exchange ideas in English regarding areas of applied biological sciences in which themes in integrated hydrosphere science, applied animal & plant		Packaged subjects provided in overseas partner university (©)		Packaged subjects provided in overseas partner university (©)		Packaged subjects provided in overseas partner university (©)
	science, food science, and molecular agricultural and life science are discussed from diverse points of view.						

(Example) Liberal arts subjects Specialized fundamε Specialized subjects Graduation thesis (②) Required subject (O) Elective require (Δ) Elective subjects

List of Faculty Members of the Applied Biological Science Program

The curriculum for this program is composed to allow students studying beyond borders between the major programs, i.e. the Integrated Hydrosphere Science Program, Applied Animal & Plant Science Program, Food Science Program, and Molecular Agricultural and Life Science Program. Therefore, faculty members of this program consist of the chief tutors of each grade and chiefs of each program.

In addition to that, faculty members who are engaged in tutorials for graduation theses may join as faculty members of this program.

The list of the faculty members of the program is separately provided to students who are allocated to the program.

Name of faculty	Name of program and position	Extension number	Laboratory	Mail address
	Chief tutor			
	Chief of Integrated Hydrosphere Science Program			
	Chief of Applied Animal & Plant Sciences Program			
	Chief of Food Science Program			
	Chief of Molecular Agricultural and Life Science Program			