Division of Integrated Sciences for Life in the Graduate School of Integrated Sciences for Life in our university. The remaining students are employed as teachers, public servants, or company workers in the areas of chemistry, computing, and pharmaceuticals, or advance to the graduate school of another university.

We truly hope that students who are interested in searching for the truth, and are ambitious to try new things, will join us.

3. Diploma policy (policy for awarding degrees and goal of the program)

This program aims to educate students to be scientists, with the background in chemistry and of international quality, who work in the cutting edge of areas related to chemistry, such as basic and applied researches, practical work in industry, and science education. In addition, the program aims to produce professionals who are capable of undertaking their work autonomously and with flexibility.

This program will award the degree of bachelor of science to students who, in addition to earning required credits defined for this educational course, have acquired capabilities and qualities described below:

- The qualities required for pioneering a new area of chemistry, based on profound knowledge of chemistry, expertise, thinking ability, judgment, and creative perspective;
- The abilities required for leading in modern society, based on an interest in an interdisciplinary field that has a relationship with more than one area, or a new area of chemistry that exceeds borders of previous frameworks;
- The ability to adapt oneself to a new situation and environment, based on constant, active, and voluntary academic interest in chemistry, and a comprehensive outlook; and
- The ability to constantly pursue one's endeavors, to logically exhibit and explain one's ideas in convincing manners, and to correct and improve one's understanding through discussion with others.

4. Curriculum policy (policy for organizing and implementing the curriculum)

This program provides high quality education courses that were established based on the tradition inherited from Hiroshima Bunrika University, in order to enable students to achieve the targets listed in the diploma policy. The organization with which these programs are implemented is formed to provide education flexibly while taking the level of achievement of the students into consideration. These programs are reviewed and evaluated every academic year after they have been implemented, to constantly improve the methodology of the education. In addition, these educational programs are designed to provide smooth continuity to the advanced education and research in the graduate school. The achievement in education is evaluated based on grade scores for the subjects and the level of achievement against the targets defined for this program. The following lists the educational policy and courses that are provided for students in each year:

• In the first year, students study subjects related to outlines of mathematics, physics, biology, and earth and planetary system science as specialized education subjects, which enable students to obtain basic knowledges in a wide range of areas of natural science. Students acquire qualities necessary for pioneering interdisciplinary fields beyond previous frameworks. Students also develop basic abilities needed for presenting their own ideas and logic in foreign languages through class subjects in foreign languages, principally English. The liberal arts subjects are provided to enable students to develop a wide-ranging intelligence, judgment, and deep humanity. In the specialized fundamental subjects of chemistry, students learn again basic knowledges of chemistry, physics,

biology, and mathematics that they have studied in high school, in order to prepare for advanced chemistry. In addition, they study fundamentals of quantum chemistry that are required for understanding all other areas of chemistry.

- In the second year, specialized education aimed at full-fledged study in chemistry is provided, in order for students to acquire advanced knowledges of chemistry. This enables students to improve basic abilities required for pioneering new areas of chemistry. Because faculty members consistently use the same textbook for physical chemistry, inorganic and analytical chemistry, and organic chemistry, students can systematically study each area.
- In the third year, students are trained for chemical experiments throughout the academic year. In this process, students improve their skills in chemistry and foster their ability to constantly expend effort until they achieve their aim. They also study chemistry subjects related to advanced application, and state-of-the-art chemistry that is being developed on the front lines around the world. Through this study, students learn the roles that chemistry plays in solving various problems that human beings are facing, and develop basic creativity and practical abilities for leading activities in the local community and the international society.
- In the fourth year, students carry out their graduation research in a study group in the Department of Chemistry, and present their results. Through this process, they acquire the ability to autonomously advance their research while cooperating with faculty members and other students, objectively observing unfamiliar properties and phenomena, and logically explaining their cause and mechanism, logically presenting and explaining their obtained chemical findings in a convincing manner, and correcting and improving their understanding through discussion with others. Furthermore, they reinforce the basics required for working in cutting edge areas of chemistry in such fields as industry, education, academia, and graduate school.

5. Start time and acceptance conditions

In School of Science, each department holds its entrance examinations. This program is organized primarily for students of the Department of Chemistry. Students are automatically registered in this program when they enter our university. Therefore, students will be educated according to this program from the start of the first year.

Students who enter the Department of Chemistry are expected to have mastered the subjects in high school listed below:

Subject name: Mathematics, Physics

This program also accepts all students at our university. When a student who does not belong to the Department of Chemistry chooses this program, requirements are stipulated separately, based on the provisions regarding transfer between schools / departments.

6. Obtainable qualifications

- 1: Educational personnel certification
 - (1) Type 1 License for Junior High School Teacher (Science)
 - (2) Type 1 License for High School Teacher (Science)
- 2: Curator license
- 3 Certification of Poisonous and Deleterious Substances Business Operator
- 4 License for which eligibility for examination is awarded to a person with a bachelor's degree: Class A hazardous materials engineer

7. 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.

8. Academic achievement

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

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 last semester, is determined by using these values and applying weightings. The evaluation standards consist of three levels, i.e., Excellent, Very Good, and Good.

Evaluation of academic	Converted
achievement	value
S (90 or more points)	4
A (80 – 89 points)	3
B (70 – 79 points)	2
C (60 – 69 points)	1

Academic achievement	Evaluation criteria
Excellent	3.00 - 4.00
Very Good	2.00 - 2.99
Good	1.00 - 1.99

^{*} Refer to the relationship between evaluation items and evaluation criteria described in Attachment 2.

9. Graduation thesis (graduation research) (meaning, student allocation, timing, etc.)

1. Purpose

Students join state-of-the art research that is being performed in the research group to which they are allocated, based on the fundamental knowledge and skills in basic practices in chemistry that they have acquired in their studies up to and including the third year. They acquire the latest knowledge of the research area and connected areas, as well as advanced practical skills. In addition to this, they study how to advance their research and refine their personal qualities as cooperative, unique, ambitious, patient, and flexible scientists. Furthermore, they acquire skills that can be used for further study in the graduate school, research activities in a company, and educational and/or social activities in other fields.

2. Overview of Research

An overview of research is given on the website of each research group. Materials introducing the research groups will be delivered to students before we conduct a survey of their allocation preferences. Students are also permitted to visit each research group at any time in order to learn about the situation in the group directly from the faculty members and students. Additionally, the lecture in "Advanced Chemistry" that is given in the third year helps students understand various aspects of the research.

^{*} Refer to the relationship between evaluation items and class subjects described in Attachment 3.

^{*} Refer to the curriculum map in Attachment 4.

3. Student allocation timing and method

Students are allocated to their research group at the beginning of the fourth academic year. To be allocated to a laboratory, students must satisfy the conditions for starting graduation research. For details of this, refer to the "Criteria for Attending Specialized Education Subjects in Chemistry Program 2" found in the "Student Handbook" (received when the student enters the university).

Students are allocated to a research group based on their individual wishes, within the capacity constraints of each group that are defined by the faculty committee of the Department of Chemistry.

10. Responsibility

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

The faculty committee of the Chemistry Program (head: chair of the Department of Chemistry) is engaged in the "plan" and "do" processes.

For the process "check" process, the chair of Department of Chemistry consults with the committee responsible (the education affairs review committee in the Department of Chemistry) based on materials prepared by the faculty committee of the Chemistry Program. In the case of the "action" process, the required actions are carried out by the faculty committee of the Chemistry Program, taking the result of the consultation into consideration.

The faculty members who constitute the faculty committee for each major program are listed in Attachment 5.

(2) Evaluation of the program

- O Perspectives for the evaluation of program
 - 1: Objective level of achievement of the students
 - 2: Level of satisfaction of the students
 - 3: Level of satisfaction of the faculty members
 - 4: Results of graduation research

O Evaluation method

- 1: An external evaluation is conducted by ex-students.
- 2: A questionnaire for evaluation of the whole program is distributed to students and ex-students of the program.
- 3: A questionnaire for evaluation of the whole program is distributed to members of faculty.
- 4: A questionnaire for the results of the graduation research is distributed to ex-students.

O Policy and method for feedback to students

Based on the basic philosophy of "student-oriented education", an external evaluation by ex-students and questionnaires for students and ex-students are conducted each academic year, and the results are comprehensively reviewed to identify any problems in the program. Then, the faculty committee of the Chemistry Program revises the composition of the program and the contents of subjects as required.

the credit for those subjects that the faculty committee of the Chemistry Program certifies is accepted as the required credit for graduation.

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		J	Peace Science Courses	á	2	From "Peace Science Courses"	Each 2	Elective/required									
	es in ıcation	Intro	duction to University Education	4	2	Introduction to University Education	2	Required									
	Basic Courses in University Education	Introd	uctory Seminar for First-Year Students	á	2	Introductory Seminar for First-Year Students	2	Required									
	Basi Univer						1	Free elective									
			Area Courses	8	3		1 or 2	Elective/required									
			Basic English Usage		2	Basic English Usage I	1	Required									
			Dasic Eligiisii Osage		۵	Basic English Usage II	1	Required									
		ges			2		1	- Required									
	ts	Foreign Languages		10	2		1 1	Required									
	Common Subjects	eign					1										
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ject	Col						1	-								-	
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Arts Education Subjects					2	Introduction to Information and Data Sciences	2	Required									
duc		Infor	mation and Data Science Courses		0	Starting Programming from Scratch	2	Election (constant									
rts E					2	Fundamental Date Science	2	Elective/required									
						From "Health and Sports Courses"		Elective/required									
Liberal						From "Social Cooperation Courses"	1 or 2	Free elective									
Ē						Calculus I	2										
						Calculus II	2										
							2										
					12		2	- Required									
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			Foundation Courses				1	-									
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The credit for "Advanced Seminar" is accepted as credit for the category of "Any subject ".

 $"Online\ English\ Seminar\ I,\ II,\ III"\ are\ accepted\ as\ the\ credit\ for\ the\ subject\ "Communication\ I\ and\ II".\ Excessive\ number\ of\ credits\ earned\ in\ the\ "Area\ Courses"\ and\ "Social\ Courses"\ and\ "S$

Credit Approval for Foreign Language Proficiency Tests, etc.: For details, please refer to the sections relating to the English of Liberal Arts Education and "Handling of Credit Approval for Foreign Language Proficiency Tests, etc." in the Student Handbook.

The credit for "Health and Sports Courses" is accepted as credit for the category of "Any Subject".

 $certification, \ \ refer \ to \ the \ list \ of \ required \ credits \ in \ "Acquisition \ of \ Educational \ Personnel \ Certification" \ in \ the \ Student \ Handbook.$

Academic achievements of Chemistry Program Relationships between the evaluation items and evaluation criteria

	Excellent	Very Good	Good
To thoroughly understand and learn (1) knowledge of physical chemistry, inorganic chemistry and organic chemistry.	Being able to fully understand basic information on chemistry and make it bases to understand advanced contents.	Being able to fully understand basic information on chemistry.	Being able to understand basic information on chemistry.
(2)	Being able to fully understand chemical expertise and make it bases to conduct the latest research.	Being able to fully understand chemical expertise.	Being able to understand chemical expertise.
(3)	To understand the basics of physical science perfectly; also, to make the knowledge a foundation for learning cutting-edge information.	To be able to understand the basics of physical science perfectly.	To be able to understand the basics of physical science.
	By understanding problems that human and society are facing from multiple viewpoints, to consider specific solutions and express one's idea	To be able to understand problems that human and society are facing from multiple perspectives.	To be able to understand problems that human and society are facing from multiple perspectives
(0)	Being able to fully understand the construction and development process of each studying and explain the relationship between the necessity and modern learning.	Being able to fully understand the construction and development process of each studying.	Being able to understand the construction and development process of each studying.
(6) and comprehensive topics from various	Being able to fully understand interdisciplinary and general topics on chemistry and other areas and explain them.	Being able to fully understand interdisciplinary and general topics on chemistry and other areas.	Being able to understand interdisciplinary and general topics on chemistry and other areas.
To acquire ability to apply chemical (1) knowledge, witch is already acquired, into chemical issues.	To be able to apply chemical knowledge, which is already acquired, into chemical problems, and solve them.	To be able to apply learned chemical basic knowledge into chemical problems.	To be able to understand relations between basic chemical knowledge, which is already acquired, and chemical issues.
To learn basic knowledge, skills, and attitudes related to information, also to acquire skills to process, output and input information appropriately. To acquira. & (i) 2.4 (l) 2.5 (i) 2.4 O Tw - (y) 4.	Being able to fully understand information on closely related to chemistry and appropriately deal, send and receive them.	Being able to understand information on closely related to chemistry and deal, send and receive them.	Being able to use chemistry related information.

		Academic achievements	Evaluation criteria										
		Evaluation items	Excellent	Very Good	Good								
S	(1)	Acquiring the ability of research planning.	Being able to completely understand the current research issues and consider the mays of solution and specific measures by themselves.	Being able to completely understand the current research issues and consider the mays of solution.	Being able to understand the research plan made by research instructors.								
Abilities A	(2)	Acquiring the ability of research	Being able to carry out research, treat appropriately the results and appropriately interpret and understand them.	Being able to carry out research, treat appropriately the results and understand them.	Being able to carry out research, treat appropriately the results.								
ısive .	(3)	Acquiring communication ability	To be able to have discussions with researchers based in Japan about research contents. Also, to be able to improve research based on the discussions.	contents with researchers based in Japan	To be able to understand research conducted by researchers based in Japan								
Compreher	(4)	Personal capability		Being able to tackle with research voluntarily and proceed it.	To accomplish one's own research.								
O	(5)	Acquiring communication ability using foreign languages.	Being able to freely make communication in foreign languages with foreigners and make discussion on various issues.		Being able to collect foreign information using foreign languages.								

Placement of Liberal Arts Education in the Major Program

The liberal arts education in this program aims to build the foundation required for the specialized education. It develops abilities for data collection and analysis, thinking skills for considering problems in natural science while critically examining the opinions of others, and the ability to examine the essence and background of a phenomenon and identify and solve problems from a comprehensive perspective. In addition to this, students are educated to acquire autonomy and become people of talent, who have the language communication skills required of professionals who are able to work actively in a global setting and discuss issues related to peace.

Relationships between the evaluation items and class subjects

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,								Kn	nowledg	ge and	Unde	rstandi	ing					<u> </u>			and Sk	kills						Com	preher	sive Al	bilities	<u> </u>			weighte
Subject			Type of course		(1)	((2)	(3	3)	(.	4)	(5)	(6)	()	1)	(2	2)	(:	3)	(4)	(.	1)		2)		(3)	(4)	(!	5)	d values
Subject Classification	Subject Name	Credit	registrat	Grade	Weighted values of	Weighted	Weighted values of	Weighted	Weighted values of	Weighted	Weighted values of	Weighted	Weighted values of	Weighted	Weighted values of	Weighted	Weighted values of	Weighted	Weighted values of	l Weighted	Weighted values of	Weighted	Weighted values of	Weighted	evaluati on										
			1011		n items in	evaluatio	evaluatio n items in	evaluatio	n items in	evaluatio	n items in	evaluatio	n items in	evaluatio	n items in	evaluatio	n items in	evaluatio	n items in	evaluatio	n items in	evaluatio	n items in	evaluatio	n items in	evaluatio	n items in	evaluatio	n items i	evaluatio	evaluatio n items in	evaluatio	in items in	evaluatio	on items in
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Liberal Arts Education	Peace Science Courses	2	Elective/ required	1							100	1																							100
Liberal Arts Education	Introduction to University Education	2	Required	1																									100	1					100
Liberal Arts Education	Introductory Seminar for First-Year Students	2	Required	1																									100	1					100
Liberal Arts Education	Advanced seminar	1	Free elective	1-2																									100	1					100
Liberal Arts Education	Area Courses	8	Elective/ required	1-4									100	1																					100
Liberal Arts Education	Basic English Usage I	1	Required	1																													100	1	100
Liberal Arts Education	Basic English Usage II	1	Required	2																													100	1	100
Liberal Arts Education		2	Required	1 1																													100	1	100
Liberal Arts Education		2	Required	2																													100	1	100
Liberal Arts Education	Foreign Languages: Basic	1	Elective/ required	1																													100	1	100
	Foreign Languages: Basic	1	Elective/ required	1																													100	1	100
Liberal Arts Education	Foreign Languages: Basic	1	Elective/ required	2																													100	1	100
Liberal Arts	Foreign Languages: Basic	1	Elective/ required	2																													100	1	100
Education Liberal Arts	Introduction to Information and Data Sciences	2	Required	1															100	1															100
Education Liberal Arts	Starting Programming from	9	Elective/	, ,															100	1															100
Education Liberal Arts	Scratch Fundamental Date	۷	required	<u>د</u>															100	1															100
Education	Science	2	Elective/ required	2															100	1															100
Liberal Arts	Health and Sports Courses	0	Free	1-2																	100	1													100
Education			elective																																
Liberal Arts Education	Social Cooperation Courses	0	Free elective								100	1																							100
Liberal Arts Education	Calculus I	2	Required	1	50	1			50	1																									100
Liberal Arts Education	Calculus II	2	Required	2	50	1			50	1																									100
Liberal Arts Education		2	Required	1	50	1			50	1																									100
Liberal Arts Education		2	Required	2	50	1			50	1																									100
Liberal Arts Education	Experimental Methods and	2	Required	2																			100	1											100
Liberal Arts Education	Experimental Methods and	2	Required	2																			100	1											100
Liberal Arts Education	Experimental Methods and	2	Required	4																			100	1											100
Liberal Arts Education	Experimental Methods and	2	Required	4																			100	1											100
Liberal Arts Education	Experimental Methods and	2	Elective/ required	1																			100	1											100
Liberal Arts Education	Experimental Methods and	2	Elective/ required	1																			100	1											100
Liberal Arts Education	Experimental Methods and Laboratory Work in Earth Sciences	2	Elective/ required	3																			100	1											100
Liberal Arts Education	Experimental Methods and Laboratory Work in Earth Sciences	2	Elective/ required	3																			100	1											100
Specialized Education	Introduction to Mathematics	2	Elective/ required	1	50	1			50	1																									100
Specialized Education	Introduction to Information Mathematics	2	Elective/ required	2	50	1			50	1																									100
Specialized	Introduction to Physics	2	Elective/ required	1	50	1			50	1																									100
Education Specialized Education	A Introduction to Physics B	2	Elective/	2	50	1			50	1																									100
Education	Introduction to Biological Sciences A		required Elective/ required	1	50	1			50	1																									100

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Subject			Type of			(1)	(2)	(3)	(.	4)	(5)	(6	3)	()	1)	(2	2)	(3)	(4	4)	(1)	(2)	()	3)	(4	4)	(5)) a v	alues
Classification	Subject Name	Credits	course registrat ion	Grade	evaluati	f Weighted	evaluatio	values of	evaluatio	Weighted values of	evaluatio	values of	evaluatio n items in	Weighted values of evaluatio	evaluatio	Weighted values of evaluatio	evaluatio	values of	Weighted values of evaluatio n items in	values of	evaluatio	values of evaluatio	evaluatio n items in	values of evaluatio	evaluatio	values of	evaluatio n items in	Weighted values of evaluatio	evaluatio	Weighted values of	evaluatio	Weighted values of evaluatio	evaluatio v n items in e	values of on evaluatio	aluati ms in
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Specialized Education	Organometallic Chemistry	2	Elective/ required	6	•		100	1	J		J		J		J				J								,		y		J				100
Specialized Education	Radiochemistry	2	Elective/ required	6			100	1																											100
Specialized Education	Biological Chemistry	2	Elective/ required	6			100	1																											100
Specialized Education	Bioinformatics	2	Elective/ required	6			100	1																											100
Specialized Education	Practical Computational Chemistry	2	Elective/ required	6													100	1																	100
Specialized Education	Exercises in Chemistry	1	Elective/ required	7													100	1																	100
Specialized Education	Chemistry IhemistryTd(1)TjEM0	C /P ≮M(CID 106	BDC P	€MCID 29 8	BDC 35	58 0 Td(l)TjEMC	/ 9 (0 9 3y)][E M35	558 0 Td(l)TjEMC	/9 (0 9 3)	y) TE M35	558 0 Td	(1)TjEMC	C/9 (0 9	9 (7)T 9 -030	06require	ed														

	Academic achievements	1st (grade	2nd	grade	3rd (grade	4th	grade
	Evaluation items								
	(4) T		Mathematics(O)	Inorganic Chemistry I(⊚)	Inorganic Chemistry III(©)				
	•(1)To thoroughly understand and learn knowledge of physical chemistry, inorganic	Introduction to Physics A(O)	Introduction to Physics B(O)	Inorganic Chemistry II (⊚)	Organic Chemistry III(©)				
	chemistry and organic chemistry.	Introduction to Biological Sciences A(O)	Introduction to Biological Sciences B(O)	Organic Chemistry I(©)					
	•(3)Understanding and acquiring logical	Introduction to Earth and Planetary Sciences A(O)	Introduction to Earth and Planetary Sciences B(O)	Organic Chemistry II(©)					
		Basic Chemistry A(⊚)	Basic Physical Chemistry A(©)						
	iodining constituction	Basic Chemistry B(©)	Basic Physical Chemistry B(©)						
б			Fundamental Inorganic Chemistry (©)						
andir			Fundamental Organic Chemistry (©)						
derst					Biological and Structural Chemistry (O)	Reaction Dynamics(O)	Advanced Chemistry(O)		
Unc					Chemistry of Biological Compounds (O)	Molecular Structural Chemistry (O)	Biopolymer Chemistry(O)		
e and					Analytical Organic Chemistry(O)	Quantum Chemistry(O)	Molecular Photochemistry(O)		
/ledge	(2)Understanding and learning advanced expertise in several chemical and					Inorganic Chemistry Solid State Chemistry(O)	Organometallic Chemistry(O)		
Know	(2)Understanding and learning advanced expertise in several chemical and					Instrumental Analytical Chemistry(O)	Radiochemistry(O)		
	interdisciplinary areas.					Structural Organic Chemistry(O)	Biological Chemistry(O)		
	. ,					Organic Reaction Chemistry(O)	Bioinformatics(O)		
						Photochemistry of Condensed Matter(O)	Synthetic organic chemistry(O)		
						Systembiology(O)			
	(4)To learn abilities to express oneself by considering problems that human and society are	Peace Science Courses(O)	Social Cooperation Courses (Δ)						
		Social Cooperation Courses (Δ)							
	(5)Getting ability to explain the process of construction and development in each academic	Area Courses(O)	Area Courses(O)	Area Courses(O)	Area Courses(O)				
	discipline.								
	(1)To acquire ability to apply chemical knowledge, witch is already acquired, into				Exercises in Inorganic Chemistry(③)	Exercises in Physical Chemistry ()	Exercises in Organic Chemistry (③)	Exercises in Chemistry(O)	
	chemical issues.						Practical Computational Chemistry(O)		
d Skills		Introduction to Information and Data Sciences(O)	Starting Programming from Scratch (O)						
es an	appropriately.		Fundamental Date Science(O)						
\billiti	(3)To acquire the ability to explain the importance of fitness and health promotion	Health and Sports Courses(△)	Health and Sports Courses(Δ)						
4	Importance of fitness and health promotion from scientific perspectives.								
	(4)To obtain skills to conduct experiments	in Biology I (O)		Experimental Methods and Laboratory Work in Earth Sciences I (O)			Chemical Experiments II (©)		
	based on basic knowledge, which is learned.	Experimental Methods and Laboratory Work in Biology ${\rm I\hspace{1em}I}$ (O)	Experimental Methods and Laboratory Work in Physics II (⊚)	Experimental Methods and Laboratory Work in Earth Sciences ${\rm I\hspace{1em}I}$ (O)	Experimental Methods and Laboratory Work in Chemistry II (@)	Chemistry Internship(O)			

	Academic achievements	1st (grade	2nd	grade	3rd	grade	4th (grade
	Evaluation items	Spring semester	Fall semester	Spring semester	Fall semester	Spring semester	Fall semester	Spring semester	Fall semester
	(1)Acquiring the ability of research planning.							Special Study for Graduation(©)	Special Study for Graduation(©)
	(1)Acquiring the ability of research planning.								
	(2)Acquiring the ability of research exercising							Special Study for Graduation(⊚)	Special Study for Graduation(©)
	analyzing.								
ies		Introductory Seminar for First- Year Students(©)						Special Study for Graduation(⊚)	Special Study for Graduation(©)
Abilities	(3)Acquiring communication ability	Introduction to University Education(©)							
		Advanced seminar (Δ)	Advanced seminar (Δ)						
Comprehensive		Communication I A(©)	Communication ⅡA(◎)						
mpre		Communication I B(⊚)	Communication ⅡB(◎)						
ပိ	(5)Acquiring communication ability using foreign languages.	Basic English Usage I (⊚)	Basic English Usage Ⅱ (◎)						
		Foreign Languages: Basic Studies I (O)	Foreign Languages: Basic Studies Ⅲ (O)						
		Foreign Languages: Basic Studies II (O)	Foreign Languages: Basic Studies IV(O)						
	(4)Personal capability							Special Study for Graduation(⊚)	Special Study for Graduation(©)
	(4)1 Croonal Capability								

(例) Liberal Arts Education Subjects Basic Specialized Subjects Specialized Education Subjects Graduation Thesis (◎) Required (〇) Elective/required (△) Free elective