A

Appended Form 1

Specifications for Major Program

Name of School (Program)〔School of Engineering, Cluster 4 (Social and Environmental Engineering)〕

Program name (Japanese)	建築プログラム
(English)	Program of Architecture and Building Engineering

1. Academic degree to be Acquired：

2. Overview

(1) -

This program aims to foster and produce future members of a global society who have the knowledge to be innovative, creative, take leadership, and possess language abilities that will help them play an important role in the international world.

This program focuses specifically on producing individuals who are capable of addressing various global issues from an engineering perspective and contribute to the creation of new and valuable solutions that are significant to both the industrial and academic societies.

Students enrolled in the program will begin the curriculum from the first semester of their first year.
In the second year, students will set off on their major programs and take the designated courses which are offered at each cluster.Major program overview is as (2).

(2)Prog Program of Architecture and Building Engineering

Japanese architects are active in the world and contribute to the creation of human culture. In this undertaking, a broad range of knowledge and a deep sense of ethics are required. This is especially true in Hiroshima, where the wisdom to create a peaceful living environment has been accumulated. Against the background of the unique features of Hiroshima, this program provides students education, engineering abilities, and technical skills for creating a living environment with a wide range of knowledge. This program cultivates the ability to voluntarily explore and create new buildings that respond to sustainable development and the information-driven society of the future.

In this program, students learn, in a comprehensive manner, basic engineering knowledge related to architectural design and planning, building environment and services, building engineering, and building materials and production, as well as the knowledge necessary for actual business, such as architectural economy, architectural administration, etc., and artistic and creative abilities. Over half of the graduates advance to the first semester of the se and research competency. After graduation, graduates work actively as engineers in planning, design, equipment, and structure. They work on the construction of buildings of every kind, such class architects.

3. Academic Awards Policy (Policy for awarding degrees and goal of the program)

In the Program of Architecture and Building Engineering, students acquire a wide range of knowledge, education, engineering ability, and technical skill for creating living environments, against the background of the unique features of Hiroshima. This program cultivates the ability to voluntarily explore and create new buildings that respond to sustainable development and the information-driven society of the 21st century. This program awards a to students who have acquired a deep and broad education, a global perspective to seek peace, the ability to make comprehensive judgments, and who have acquired the number of credits to meet the requirements of the course, a liberal arts education aimed at cultivating a well-rounded character, and the

specialized education designed to achieve the following goals:

(A) The ability to contribute to the realization of peaceful living environments through the creation of architecture (development of professionals who can contribute to a peaceful living environment)
(B) The ability to contribute to social progress and human happiness (development of professionals that can contribute to human happiness)
(C) Possession of a deep personality and ethics as an engineer (cultivation of ethics as engineers)
(D) Possession of basic knowledge of engineering in architecture (acquisition of basic knowledge of engineering)

(E) Possession of comprehensive, individual expertise and abilities in architecture (acquisition of architectural expertise and abilities)

(F) Possession of design capabilities (cultivation of design capabilities)
(G) Possession of Japanese communication skills and international communication skills (cultivation of communication skills)
(H) The ability to undertake personal development and continued training on a permanent basis (cultivation of ability to undertake personal development and continued training)
(I) Possession of the ability to make precise and rational plans, and to implement them (cultivation of ability to make plans and to implement them)

4. Curriculum Policy (Policy for Preparing and Implementing the Curriculum)
The Program of Architecture and Building Engineering organizes and implements a curriculum according to the following policy, so that students may achieve the goals A to I in the academic awards policy.

learn mainly liberal arts education subjects in the first year when they are enrolled in school of -
ages, and mathematics and physics, as foundation courses. Students also
l
subjects.
Program of Architecture and Building Engineering

planning, architectural planning, and architectural design drawing.
ety of subjects in these diverse fields, and at diverse levels of specialization, in a systematic way, students acquire the comprehensive knowledge and methodology necessary to undertake architecture in the 21st century.
t the end of the third year, and qualification for undertaking a graduation thesis is judged. After this judgment has been made, when students advance to the fourth year, they are assigned to a laboratory, select their subject of specialized research, begin their graduation research, including experiments, surveys, etc., undergo final examination of their finished graduation thesis, and, finally, obtain graduation and their academic degree.
tribute to peaceful living environments) through

Students achieve goal B (development of professionals that can contribute to human happiness) through mastery
offered in the second year.
Students achieve goal C (cultivation of ethics as engineers) through mastery of the specialized basic subjects and the specialized subject ,

the third year.
Students achieve goal D (acquisition of basic knowledge of engineering) through mastery of the specialized basic
,

and architectural planning offered from the second year through the third year.

ry Seminar for First-

Architecture I,
e goal H (cultivation of the ability to undertake personal development and continued training)
,

offered from the third year through the fourth year.

specialized subje , IV,
year through the fourth year.
In the curriculum described above, teaching and learning will be implemented by utilizing active learning, experiential learning and online classes, depending on the delivery methods of the program, such as lectures, drawing and seminars.
In addition to strict grading using the standards clearly outlined in the syllabus, learning outcomes are evaluated based on the degree to which the goals set by the educational program are achieved.

5. Program Timing and Acceptance Conditions

The English- Program
of Architecture and Building Engineering occurs in the second semester of the second year, when students have completed many subjects in the liberal arts course. Cluster 4 has two programs: Architecture and Building Engineering, and Civil and Environmental Engineering. Each program has an upper limit for the acceptable number of students. Assignment to each program is decided at the end of the first year, after taking into account the requests of students and their academic results. The subject that it is recommended to take in the first year of the Program of Architecture and Building Engineering
Additional Requirements
To determine acceptance into the English-
an individual consultation with the faculty committee members.
ments
As architecture involves human living as a whole, it is desirable to learn as wide a range of subjects as possible in the liberal arts course, regardless of whether these subjects belong to humanities or science courses.

6. Qualifications to be Acquired
Students qualify for candidacy for the examination for class 2 and class 1 architects upon graduation. Type-1 High

prescribed liberal arts subjects, students can obtain the Type-1 High School Teaching License (Industry) upon graduation.

7. Class Subjects and Course Content
* For class subjects, see the subject list in the attached sheet 1. (Subject list to be attached.)
* For course content, see the syllabus published every academic year.
* All courses are taught in Japanese. Course materials may be written in both Japanese and English or only English.

8. Academic Achievements

At the end of each semester, evaluation criteria are applied to each academic achievement evaluation item to

on evaluation criteria calculated by adding the weighted values to the numerically-converted values of their academic achievements (S = 4, A = 3, B = 2, and C = 1) in each subject being evaluated.

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* See the relationship between evaluation items and evaluation criteria in the attached sheet 2.
* See the relationship between evaluation items and class subjects in the attached sheet 3.
* See the curriculum map in the attached sheet 4.

9. Graduation Thesis (Graduation Research) (Purpose, when and how it is assigned, etc.)

The graduation thesis is intended to be a major subject for the achievement of the following learning and educational goals.

engineering knowledge in architecture

on an ongoing basis

he ability to make precise and rational plans, and to implement them

When it is assigned: At the start of fourth year (only those who meet the conditions for undertaking a graduation thesis are to be assigned.)

Conditions for undertaking a graduation thesis

(1) Students must acquire 46 credits in liberal arts education.

(2) Students must acquire 38 or more credits (including all compulsory subjects) in the basic special courses of the specialized education.

(3) Students must complete Architectural Project and Drawing III, IV .

(4) Out of the total number of credits in basic special education and special education to be acquired before graduation (excluding the 5 credits for graduation thesis), the number of credits yet to be obtained should be 10 or fewer.

Details of each laboratory to which students can be assigned, as well as details of research undertaken by supervisors and the assignment policy (the number of students acceptable to each laboratory and supervisor, etc.) are to be explained by the provided guidance given to students. Depending on academic results in Architectural Project and Drawing, about 10% of students who can undertake a graduation thesis will be able to submit graduation designs as their thesis.

Assignment is decided according to the requests of students who can undertake a graduation thesis. However, since the number of acceptable students is limited, adjustments may be made.

10. Responsibility System

(1) PDCA responsibility

In this program, the architectural studies group, consisting of the teachers in charge. and its subsidiary, the

self-assessment evaluation committee, are organized in order to check and improve the program. Under these committees, a curriculum examination working group, a planning examination working group for faculty development (FD), and an external evaluation working group are established. For the smooth running of the educational program in each area, these committees and working groups check and evaluate the learning and

measures, etc. targeted at teachers is carried out. This program improves classes in response to student requests.

Cluster 4 (Civil Engineering and Architecture

Required subject (period of registration specified)

○ Compulsory elective subject (any of these subjects shall be registered)

Free elective subject (any of these subjects shall be registered)

Subject Type					Required No. of credits	Class subjects	No. of credits	Type of course registratio	Year in which the subject is taken(*The lower figure means semester) Note 1													
									1st grade				2nd grade				3rd grade				4th grade	
									Spring		Fall		Spring		Fall		Spring		Fall		Spring	Fall
									1T	2T	3T	4T	1T	2T	3T	4T	1T	2T	3T	4T	1T 2T	3T 4T
Liberal Arts Education Subjects	Peace Science Courses				2		2	Compulsory elective		○												
	Common Subjects	Basic Courses in University Education	Introduction to University Education		2	Introduction to University Education	2	Required														
			Introductory Seminar for First-Year		2	Introductory Seminar for First-Year	2	Required														
		Area Courses			4	Courses in Arts and Humanities/Social Sc	2	Compulsory elective	○		○											
					4	Courses in Natural Sciences	2			○		○										
		Foreign Languages	English (Note2 3)	Basic English Usage	0	Basic English UsageI	1	Free elective														
						Basic English UsageII	1															
				Communication I	2	CommunicationI	1	Required														
						Communication I	1															
				Communication	2	Communication II	1	Required														
						Communication II	1															
			Initial Foreign Languages (Select one language from German, French, Spanish, Russian, Chinese, Korean and Arabic)		2	1 subjects from Basic language I	1	Compulsory elective	○													
						1 subjects from Basic language II	1			○													
		Information and Data Science Courses			2	Introduction to Information and Data Sciencies	2	Required														
		Health and Sports Courses			2		1or 2	Compulsory elective	○	○	○	○										
	Basic Subjects				16	CalculusI	2	Required														
						CalculusII	2															
						Linear AlgebraI	2															
						Linear AlgebraII	2															
						Seminar in Basic Mathematics I	1															
						Seminar in Basic Mathematics II	1															
						General Mechanics I	2															
						General Mechanics II	2															
						Experimental Methods and Laboratory Work in Physics I Note 4	1															
						Experimental Methods and Laboratory Work in Physics II Note 4	1															
	Free elective subjects				6	From all Subject Type Note 5		Free elective															
	No. of credits required for graduation				46																	

Note When students fail to acquire the credit during the term or semester marked with ○ in the boxes for the year in which the course is taken, they can take the course in subsequent terms or semesters. Depending on class subject, courses may be offered in semesters or terms different from those scheduled. Please be sure to check the time schedule for Liberal Arts Education subjects to be issued every

Note The credit obtained by mastery of "English-speaking Countries Field Research" or self-directed study of "Online Seminar in English A B" cannot be counted towards the credit necessary for graduation. The credit obtained by Overseas Language Training can be recognized as Communication or if application is made in advance. For more details, please refer to the article on English in Liberal Arts Education in the student handbook.

Note We have a recognition of credit system for foreign language proficiency tests. For more details, please refer to the article on English in Liberal Arts Education in the student handbook.

Note Students must take both Experimental Methods and Laboratory Work 1credit and Experimental Methods and Laboratory Work 1credit .

Note Students can calculate the credits of Basic English Usage.

Cluster 4 Specialized Basic Subjects

Required subjects
○ Compulsory Elective subjects
Request Subjects

Class Subjects	Credits	Type of course registration		Class Hours/ Week																Note
		Civil and Environmental Engineering	Architecture and Building Engineering	1st grade				2nd grade				3rd grade				4th grade				
				Spring		Fall		Spring		Fall		Spring		Fall		Spring		Fall		
				1T	2T	3T	4T	1T	2T	3T	4T	1T	2T	3T	4T	1T	2T	3T	4T	
Applied Mathematics I	2					4														
Applied Mathematics II	2		○					4												
Applied Mathematics III	2		○						4											
Engineering Mathematics A	2		○									4								
Probability and Statistics	2		○					4												
Environmental Theory	2		○							2	2			2	2					1
Basic Engineering Computer Programming	2									4		4								2
Synthesis of Applied Mathematics	2		○							4										
Technical English	1									4										
Creation of Architectural Space	2		○			4														
Lifestyle and the city	2		○			4														
Exercise of Mathematics	2												4							
Exercise of Technical English	1												4							
Civil and Environmental Engineering and Engineer's Ethics	2														4					
Strength of Materials	2								4											
Exercise of Strength of Materials	1								4											
Structural Mechanics	2									4										
Exercise of Structural Mechanics	1									4										
Hydraulics	2									4										
Exercise of Hydraulics	1									4										
Soil Mechanics	2										4									
Exercise of Soil Mechanics	1										4									
Materials Science	2								4											
Concrete Engineering	2									4										
Fluid Mechanics	2							4												
Infrastructure Planning	2										4									
Fundamentals of Environmental Science	2										4									
Land Survey	2							4												
Exercise of Surveying	2							8												
Field Work at Construction Sites	1													4						
Experiments in Civil and Environmental Engineering	2												8							
Building Material	2									4										
Experiments on Building Materials	1											3	3							
Introduction of Building Structure	2								4											

Required subjects

○ } Compulsory Elective subjects

Request Subjects

Class Subjects	Credits	Type of course registration		Class Hours/ Week																Note
		Civil and Environmental Engineering	Architecture and Building Engineering	1st grade				2nd grade				3rd grade				4th grade				
				Spring		Fall		Spring		Fall		Spring		Fall		Spring		Fall		
				1T	2T	3T	4T	1T	2T	3T	4T	1T	2T	3T	4T	1T	2T	3T	4T	
Architectural Project and Drawing I	2							6	6											
Architectural Project and Drawing II	2									6	6									
Architectural Structural Mechanics I	4							4	4											
Architectural Structural Mechanics II	4									4	4									
Vibration Theory of Buildings	2		○												4					
Reinforced concrete structure	2												4							
Geotechnical and Architectural Foundation Engineering	2		○												4					
Building Administration	2												4							
Field Exercises of Building	1											1	1	1	1					
History of Architecture I	2									4										
Architectural Planning	2								4											
Town Planning	2		○								4									
Architectural Environments I	2							4												
Architectural Environments II	2									4										
Exercises in Environmental Science	1												4							
Field Work in Architecture	1		○											3	3					
Computer Technology in Architecture	2		○								4									
Design Concepts of Steel Structures	2									4										
Architecture drawings	2		○					4												
Timber structure	2										4									

1 As the course is offered every other year, you should take either of the courses.

2 Civil and Environmental Engineering is offered in the second semester of the second year, while Architecture and Building Engineering is offered in the first term of the first semester of the third year.

Cluster 4 Specialized Subjects
Program of Architecture and Building Engineering

Required subjects

○, , Compulsory Elective subjects

Class Subjects	Credits	Type of course registration	Class Hours/ Week																Note
			1st grade				2nd grade				3rd grade				4th grade				
			Spring		Fall		Spring		Fall		Spring		Fall		Spring		Fall		
			1T	2T	3T	4T	1T	2T	3T	4T	1T	2T	3T	4T	1T	2T	3T	4T	
Methods of Structural Analysis	2	○											4						
Earthquake Resistant Structures	2	○												4					
Structural Design	2	○														6			
Building Construction	2										4								
Disaster Prevention of Buildings	2	○													4				
Seminar in Architecture I	2											4							
Design of Steel Structures	2	○									4								
History of Architecture II	2										4								
Architectural Planning II	2									4									
Building Services I	2										4								
Building Services II	2												4						
Architectural Project and Drawing III	3										9	9							
Architectural Project and Drawing V	2	○													6	6			
Architectural Project and Drawing IV	3												9	9					
Seminar in Architecture II	2												4						
Seminar in Architecture III	1														1	1			
Ethics of Architecture	2													4					
Graduation Thesis	5																		

Academic Achievements in Architecture and Building Engineering

The Relationship between Evaluation Items and Evaluation Criteria

Academic Achievements			Evaluation Criteria		
Evaluation Items			Excellent	Very Good	Good
Knowledge and Understanding	(A)	Understanding on development of human resources who can contribute to a peaceful global environment. (Being able to name symbolic buildings of peace city Hiroshima and to describe their characteristics. Being able to explain the city planning and histrory designed for peace. Being able to express their opinions to create a peaceful environment)	Understand and be able to explain development of human resources who can contribute to a peaceful global environment. (Being able to name symbolic buildings of peace city Hiroshima and to describe their characteristics. Being able to explain the city planning and histrory designed for peace. Being able to express their opinions to create a peaceful environment)	Understand development of human resources who can contribute to a peaceful global environment. (Being able to name symbolic buildings of peace city Hiroshima and to describe their characteristics. Being able to explain the city planning and histrory designed for peace. Being able to express their opinions to create a peaceful environment)	Understand outline of development of human resources who can contribute to a peaceful global environment. (Being able to name symbolic buildings of peace city Hiroshima and to describe their characteristics. Being able to explain the city planning and histrory designed for peace. Being able to express their opinions to create a peaceful environment)
	(B)	Understanding on development of human recourses who can contribute to human happiness. (Being able to explain domestic and global issues, and to express their opinions. Learning liberal arts for social science to find a direction from a global point of view)	Understand and be able to explain on development of human recourses who can contribute to human happiness. (Being able to explain domestic and global issues, and to express their opinions. Learning liberal arts for social science to find a direction from a global point of view)	Understand development of human recourses who can contribute to human happiness. (Being able to explain domestic and global issues, and to express their opinions. Learning liberal arts for social science to find a direction from a global point of view)	Understand outline of development of human recourses who can contribute to human happiness. (Being able to explain domestic and global issues, and to express their opinions. Learning liberal arts for social science to find a direction from a global point of view)
	(C)	Understanding on cultivation of a sense of ethics for engineers (Being able to enumerate and explain examples for effects of actions and products of engineers on our society and to express their opinions. Learning liberal arts for humanities and social science to find their directions from a global point of view)	Understand and be able to explain cultivation of a sense of ethics for engineers (Being able to enumerate and explain examples for effects of actions and products of engineers on our society and to express their opinions. Learning liberal arts for humanities and social science to find their directions from a global point of view).	Understand cultivation of a sense of ethics for engineers (Being able to enumerate and explain examples for effects of actions and products of engineers on our society and to express their opinions. Learning liberal arts for humanities and social science to find their directions from a global point of view)	Understand outline of cultivation of a sense of ethics for engineers (Being able to enumerate and explain examples for effects of actions and products of engineers on our society and to express their opinions. Learning liberal arts for humanities and social science to find their directions from a global point of view)
	(D)	Understanding on learning basic engineering knowledge. (Being able to explain basic contents of mathematics, physics and information technology. Being able to apply the basic contents to architecture and building engineering)	Understand and be able to explain learning basic engineering knowledge. (Being able to explain basic contents of mathematics, physics and information technology. Being able to apply the basic contents to architecture and building engineering)	Understand learning basic engineering knowledge. (Being able to explain basic contents of mathematics, physics and information technology. Being able to apply the basic contents to architecture and building engineering)	Understand outline of learning basic engineering knowledge. (Being able to explain basic contents of mathematics, physics and information technology. Being able to apply the basic contents to architecture and building engineering)
Abilities and Skills	(E-1)	Understanding on cultivation of expert knowledge and ability for architecture and building engineering. ((1) General and basic knowledge and ability a) Basic knowledge and ability for architectural design and planning)	Understand and be able to explain cultivation of expert knowledge and ability for architecture and building engineering. ((1) General and basic knowledge and ability a) Basic knowledge and ability for architectural design and planning)	Understand cultivation of expert knowledge and ability for architecture and building engineering. ((1) General and basic knowledge and ability a) Basic knowledge and ability for architectural design and planning)	Understand outline of cultivation of expert knowledge and ability for architecture and building engineering. ((1) General and basic knowledge and ability a) Basic knowledge and ability for architectural design and planning)
	(E-2)	Understanding on cultivation of expert knowledge and ability for architecture and building engineering. ((1) General and basic knowledge and ability a) Basic knowledge and ability for architectural design and planning)	Understand and be able to explain cultivation of expert knowledge and ability for architecture and building engineering. ((1) General and basic knowledge and ability b) Basic knowledge and ability for architectural environments)	Understand cultivation of expert knowledge and ability for architecture and building engineering. ((1) General and basic knowledge and ability b) Basic knowledge and ability for architectural environments)	Understand outline of cultivation of expert knowledge and ability for architecture and building engineering. ((1) General and basic knowledge and ability b) Basic knowledge and ability for architectural environments)
	(E-3)	Understanding on cultivation of expert knowledge and ability for architecture and building engineering. ((1) General and basic knowledge and ability c) Basic knowledge and ability for structural engineering)	Understand and be able to explain cultivation of expert knowledge and ability for architecture and building engineering. ((1) General and basic knowledge and ability c) Basic knowledge and ability for structural engineering)	Understand cultivation of expert knowledge and ability for architecture and building engineering. ((1) General and basic knowledge and ability c) Basic knowledge and ability for structural engineering)	Understand outline of cultivation of expert knowledge and ability for architecture and building engineering. ((1) General and basic knowledge and ability c) Basic knowledge and ability for structural engineering)
	(E-4)	Understanding on cultivation of expert knowledge and ability for architecture and building engineering. ((2) Comprehensive and advanced knowledge and ability to develop basis for building engineers. Being able to summarize documents of the advanced contents on either a , b or c	Understand and be able to explain cultivation of expert knowledge and ability for architecture and building engineering. ((2) Comprehensive and advanced knowledge and ability to develop basis for building engineers. Being able to summarize documents of the advanced contents on either a , b or c	Understand cultivation of expert knowledge and ability for architecture and building engineering. ((2) Comprehensive and advanced knowledge and ability to develop basis for building engineers. Being able to summarize documents of the advanced contents on either a , b or c	Understand outline of cultivation of expert knowledge and ability for architecture and building engineering. ((2) Comprehensive and advanced knowledge and ability to develop basis for building engineers. Being able to summarize documents of the advanced contents on either a , b or c
Overall Abilities	(F)	Understanding on cultivation of design capacity. (Being able to indicate issues and to propose solutions for given subjects from various points of views. Being able to understand the social background of their researchs and to propose the research plans for their theses.)	Understand and be able to explain cultivation of design capacity. (Being able to indicate issues and to propose solutions for given subjects from various points of views. Being able to understand the social background of their researchs and to propose the research plans for their theses.)	Understand cultivation of design capacity. (Being able to indicate issues and to propose solutions for given subjects from various points of views. Being able to understand the social background of their researchs and to propose the research plans for their theses.)	Understand outline of cultivation of design capacity. (Being able to indicate issues and to propose solutions for given subjects from various points of views. Being able to understand the social background of their researchs and to propose the research plans for their theses.)
	(G)	Understanding on cultivation of communication ability. ((1) International communication ability. Being able to introduce themselves to foreigners and make communications. Being able to read and write technical papers on architecture and building engineering using dictionaries.) ((2) Communication ability in Japanese. Being able to introduce their own ideas to audience and to have questions and answers session. Being able to prepare persuasive materials. Being able to fully understand technical papers on architecture and building engineering (graduation theses for example) and to prepare manuscripts to convey the research results.)	Understand and be able to explain cultivation of communication ability. ((1) International communication ability. Being able to introduce themselves to foreigners and make communications. Being able to read and write technical papers on architecture and building engineering using dictionaries.) ((2) Communication ability in Japanese. Being able to introduce their own ideas to audience and to have questions and answers session. Being able to prepare persuasive materials. Being able to fully understand technical papers on architecture and building engineering (graduation theses for example) and to prepare manuscripts to convey the research results.)	Understand cultivation of communication ability. ((1) International communication ability. Being able to introduce themselves to foreigners and make communications. Being able to read and write technical papers on architecture and building engineering using dictionaries.) ((2) Communication ability in Japanese. Being able to introduce their own ideas to audience and to have questions and answers session. Being able to prepare persuasive materials. Being able to fully understand technical papers on architecture and building engineering (graduation theses for example) and to prepare manuscripts to convey the research results.)	Understand outline of cultivation of communication ability. ((1) International communication ability. Being able to introduce themselves to foreigners and make communications. Being able to read and write technical papers on architecture and building engineering using dictionaries.) ((2) Communication ability in Japanese. Being able to introduce their own ideas to audience and to have questions and answers session. Being able to prepare persuasive materials. Being able to fully understand technical papers on architecture and building engineering (graduation theses for example) and to prepare manuscripts to convey the research results.)
	(H)	Understanding on education for self-development and self-improvement. (Being able to collect materials related to recent problems)	Understand and be able to explain education for self-development and self-improvement. (Being able to collect materials related to recent problems)	Understand education for self-development and self-improvement. (Being able to collect materials related to recent problems)	Understand outline of education for self-development and self-improvement. (Being able to collect materials related to recent problems)
	(I)	Understanding on cultivation of ability for planning and exercising (Being able to accomplish their subjects and to summarize the results within a time limit. Experiencing collaborative works through experiments, practices and graduation theses.).	Understand and be able to explain cultivation of ability for planning and exercising (Being able to accomplish their subjects and to summarize the results within a time limit. Experiencing collaborative works through experiments, practices and graduation theses.).	Understand cultivation of ability for planning and exercising (Being able to accomplish their subjects and to summarize the results within a time limit. Experiencing collaborative works through experiments, practices and graduation theses.).	Understand outline of cultivation of ability for planning and exercising (Being able to accomplish their subjects and to summarize the results within a time limit. Experiencing collaborative works through experiments, practices and graduation theses.).

Placement of the Liberal Arts Education in the Major Program

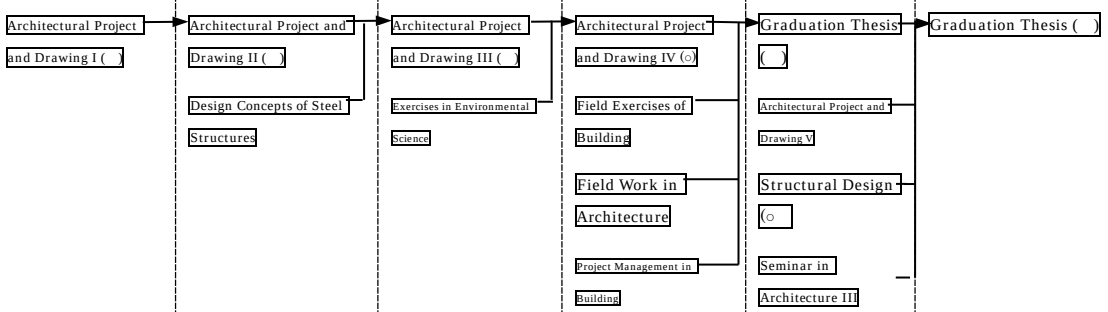
Liberal arts education in this program takes on the role of building an academic foundation on which the specialized education in architecture will be built. It cultivates scientific thinking abilities based on respect for a voluntary and self-reliant attitude, data gathering ability, analytical ability, and critical thinking ability, and establishes an outlook that can provide insight into the essence and background of things from a broad perspective, as well as strengthening the language skills and interest in peace appropriate for those who live as an internationally minded people, and incorporating a broad range of knowledge into a body of knowledge genuinely useful for solving problems.

Relationships between the evaluation items and class subjects

				Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	Weighted values of evaluation items in the subject	Weighted values of evaluation items	
Liberal Arts Education	Introductory Seminar for First-Year Students	2	1semnester																	30	1	40	1	30	1			100
Liberal Arts Education	Peace Science Courses	2	1semnester	100	1																							100
Liberal Arts Education	CommunicationI	1	1semnester																			100	1					100
Liberal Arts Education	Communication I	1	1semnester																			100	1					100
Liberal Arts Education	Communication II	1	2semnester																			100	1					100
Liberal Arts Education	Communication II	1	2semnester																			100	1					100
Liberal Arts Education	Basic language I	1	1semnester																			100	1					100
Liberal Arts Education	Basic language II	1	1semnester																			100	1					100
Liberal Arts Education	Information and Data Science Courses	2	1semnester							100	1																	100
Liberal Arts Education	Area Courses	2	1semnester	10	1	70	1	20	1																			100
Liberal Arts Education	Health and Sports Courses	2	1semnester			100	1																					100
Liberal Arts Education	CalculusI	2	1semnester							100	1																	100
Liberal Arts Education	CalculusII	2	2semnester							100	1																	100
Liberal Arts Education	Linear AlgebraI	2	1semnester							100	1																	100
Liberal Arts Education	Linear AlgebraII	2	2semnester							100	1																	100
Liberal Arts Education	Seminar in Basic Mathematics I	1	1semnester							100	1																	100
Liberal Arts Education	Seminar in Basic Mathematics II	1	2semnester							100	1																	100
Liberal Arts Education	General Mechanics I	2	1semnester							100	1																	100
Liberal Arts Education	General Mechanics II	2	2semnester							100	1																	100
Liberal Arts Education	Experimental Methods and Laboratory Work in Physics I-II	1	semnester							100	1																	100
Specialized Education	Applied Mathematics I	2	2semnester							100	1																	100
Specialized Education	Applied Mathematics II	2	semnester							100	1																	100
Specialized Education	Applied Mathematics III	2	semnester							100	1																	100
Specialized Education	Engineering Mathematics A	2	5semnester							100	1																	100
Specialized Education	Probability and Statistics	2	semnester							100	1																	100
Specialized Education	Environmental Theory	2	6semnester			30	1							70	1													100
Specialized Education	Basic Engineering Computer Programming	2	5semnester							100	1																	100
Specialized Education	Synthesis of Applied Mathematics	2	4semnester							100	1																	100
Specialized Education	Technical English	1	4semnester																			100	1					100
Specialized Education	Creation of Architectural Space	2	2semnester							100	1																	100
Specialized Education	Lifestyle and the city	2	2semnester							100	1																	100
Specialized Education	Building Material	2	4semnester													100	1											100
Specialized Education	Experiments on Building Materials	1	5semnester													60	1							10	1	30	1	100
Specialized Education	Introduction of Building Structure	2	semnester													100	1											100
Specialized Education	Architectural Project and Drawing I	2	semnester	20	1							60	1											10	1	10	12Archtecte	

Academic Achievement	Evaluation Items	Class subjects							
		1st grade		2nd grade		3rd grade		4th grade	
		Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
Knowledge and Understanding (A)	Understanding on development of human resources who can contribute to a peaceful global environment.	Class subjects ( ) Peace Science Courses ( )	Class subjects( )	Architectural Project and Drawing I( )	History of Architecture I	History of Architecture II Architectural Project and Drawing III ( )	Architectural Project and Drawing IV Peace Urbanism and Architecture		
Knowledge and Understanding(B)	Understanding on development of human recourses who can contribute to human happiness.	Class subjects( ) Health and Sports Courses( )	Class subjects( )	Architectural Planning	Architectural Project and Drawing II ( ) History of-Architecture I Town Planning Architectural Planning II Environmental Theory	Architectural Project and Drawing III ( ) History of Architecture II	Architectural Project and Drawing IV Peace Urbanism and Architecture		
Knowledge and Understanding(C)	Understanding on learning basic engineering knowledge.	Class subjects( )	Class subjects( )			Building Administration Building Construction	Ethics of Architecture ( ) Field Exercises of Building		
Knowledge and Understanding(D)	Understanding on cultivation of expert knowledge and ability for architecture and building engineering.	Courses in Natural Sciences Information and Data Science Courses ( )	Courses in Natural Sciences ( ) Applied Mathematics I ( )	Courses in Natural Sciences ( ) Applied Mathematics II Applied Mathematics III Probability and Statistics	Synthesis of Applied Mathematics Computer Technology in Architecture	Engineering Mathematics A		Graduation Thesis	( )

Abilities and Skills (E)	Understanding on cultivation of expert knowledge and ability for architecture and building engineering		Creation of Architectural Space	Basic Specialized Subjects	Basic Specialized Subjects Specialized Subjects	Basic Specialized Subjects Specialized Subjects	Specialized Subjects	Graduation Thesis ( ) Specialized Subjects	Graduation Thesis ( )
Comprehensive Abilities (F)	Understanding on cultivation of design capacity.	Introductory Seminar for First-Year Students ( )		Architectural Planning Architecture drawings	Architectural Planning II Town Planning	Architectural Project and Drawing III ( )	Architectural Project and Drawing IV (○) Project Management in Building	Graduation Thesis ( ) Architectural Project and Drawing V Structural Design (○) Artistic Practice Seminar in Architecture III	Graduation Thesis ( )
Comprehensive Abilities (G)	Understanding on cultivation of communication ability	Foreign Languages Introductory Seminar for First-Year Students ( )			Technical English ( )	Architectural Project and Drawing III ( ) Seminar in Architecture I	Architectural Project and Drawing IV (○) Field Work in Architecture Seminar in Architecture II	Graduation Thesis ( ) Architectural Project and Drawing V Structural	

Comprehensive Abilities (I)	(I) Understanding on cultivation of ability for planning and exercising								

: Required subject (period of registration specified), ○: Compulsory elective subject (any of these subjects shall be registered)