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

Program name (Japanese) (English)	Program of Architecture and Building Engineering

1. Academic degree to be Acquired　Bachelor's degree in Engineering

2. Overview

(1) Overview of "English-based Bachelor's Degree Program"

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)Program overview of "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 doctor's course at graduate school and acquire a higher level of expertise and research competency. After graduation, graduates work actively as engineers in planning, design, equipment, and structure. They work on the

specialized education designed to achieve the following goals:

”Knowledge and Abilities”
(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)
“Abilities and Skills”
(E) Possession of comprehensive, individual expertise and abilities in architecture (acquisition of architectural expertise and abilities)
“Overall ability”
(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.
Learning outcomes are evaluated based on the grade calculation for each subject and the level of attainment against the goals set by the education program.
•There are three types of class subjects that students learn for four years: “Liberal arts education subjects”, “Specialized Basic Subjects”, and “Specialized Subjects”.
•Students learn mainly liberal arts education subjects in the first year when they are enrolled in school of engineering (cluster 4). These liberal arts education subjects include “Introductory Seminar for First-Year Students”, “Peace Science Courses”, foreign languages, and mathematics and physics, as foundation courses. Students also learn “Applied Mathematics I”, and “Creation of Architectural Space” as the beginning of the specialized basic subjects.
•When students advance to the second year, and assignment to the Program of Architecture and Building Engineering is decided, they study “Specialized Basic Subjects” and “Specialized Subjects” in full swing. The “Specialized Basic Subjects” that students learn in the second and third years include subjects on “Building Engineering” such as building materials and reinforced concrete structures, subjects on “Architectural Environments”, and subjects on “Architectural Planning” such as architectural history, building regulations, town planning, architectural planning, and architectural design drawing.
•By learning a variety 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.
•The academic results are checked at 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.
•Students achieve goal A (development of professionals that can contribute to peaceful living environments) through mastery of liberal arts education subjects “Peace Science Courses” offered in the first year, and the specialized subject “Peace Urbanism and Architecture” offered in the third year.
•Students achieve goal B (development of professionals that can contribute to human happiness) through mastery of the specialized basic subject “Architectural Planning I” and “Town Planning” offered in the second year.

educational goals, the evaluation methods used to judge levels of attainment, and the whole educational system (educational methods, educational environment, etc.) (Check), examine educational improvement methods (Act), make improvement plans to improve learning and educational goals, educational methods, and the educational environment (Plan), and implement these plans (Do). In this way, the PDCA improvement cycle is established. This program has a system under which all the teachers in charge, centering on the program manager, cooperate and move forward.

(2) Program evaluation

○ Criteria for program evaluation

In this program, evaluation is carried out according to the following evaluation criteria.

•Whether an education evaluation system exists that is able to check the program based on the evaluation results of learning and the attainment level of educational goals, whether its mechanism is disclosed, and whether the related activities are being implemented

•Whether the education evaluation system contains mechanisms that take into consideration the requirements of society or requests from students, and whether it is organized so as to check the functioning of the education check system itself

•Whether the teachers involved in this program are able to view the records of the meetings or committees that constitute the education evaluation system

•Whether there is a system in place that improves the program continuously based on the results of education evaluations, and whether the related activities are being conducted

○How the program is evaluated (relationship to class evaluation to be described)

The architectural studies group and each committee focus on evaluation and improvement of the program. The most important things are the following two points.

•Evaluation and improvement of the program are conducted on a daily basis and in a systematic manner.

•Revision and improvement of the learning and educational goals, evaluation methods, and evaluation standard for attainment levels are conducted continuously.

•The self-assessment evaluation committee implements the following unique questionnaires as part of the program evaluation.

•A questionnaire targeted at students, about the learning environment

•A questionnaire targeted at teachers, about lecture implementation status, lecture improvement plans, opinions about other lectures, etc.

•A questionnaire to confirm the learning and educational goals and the validity of the evaluation of attainment levels (targeted at graduates and companies)

The architectural studies group requests the committees to check the program, present their improvement plans, and prepare FD proposals, and, after discussing the reports and proposals submitted by the committees, the group decides on the improvement strategy. As the group consists of all teachers in charge of the program, the evaluation

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	Spring 1T	2T	3T	4T	Fall 1T	2T	3T	4T	Spring 1T	2T	3T	4T
Liberal Arts Education Subjects	Basic Courses in University Education		2		2	Compulsory elective												
		Introduction to University Education	2	Introduction to University Education	2	Required												
		Introductory Seminar for First-Year	2	Introductory Seminar for First-Year	2	Required												
	Common Subjects	Area Courses	4	Courses in Arts and Humanities/Social Sc	2	Compulsory elective												
			4	Courses in Natural Sciences	2	Compulsory elective												
		Communication		Basic English UsageI	1													
				Basic English UsageII	1													
				CommunicationI	1													
				Communication I	1													
				Communication II	1													
				Communication II	1													
		Initial Foreign Languages (Select one language from German, French, Spanish, Russian, Chinese, Korean and Arabic)		1 subjects from Basic language I	1	Compulsory elective												
				1 subjects from Basic language II	1													
			2	Elements of Information Literacy or Exercise in Information Literacy	2	Compulsory elective												
			16															

Free elective subjects

No. of credits required for graduation

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 "Elements of Information Literacy" provided in the first semester. You can take the "Exercise in Information Literacy" provided in the second semester only if you fail to obtain credit for "Information Utilization Basics."

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

Note Students can calculate the credits of Basic English Usage.

Required subjects

○

Request Subjects

[redacted]

SpringFall 2 0 1 6 5 9 . . 2 6 6 5 9 . 2

		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										

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 contemporary 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.

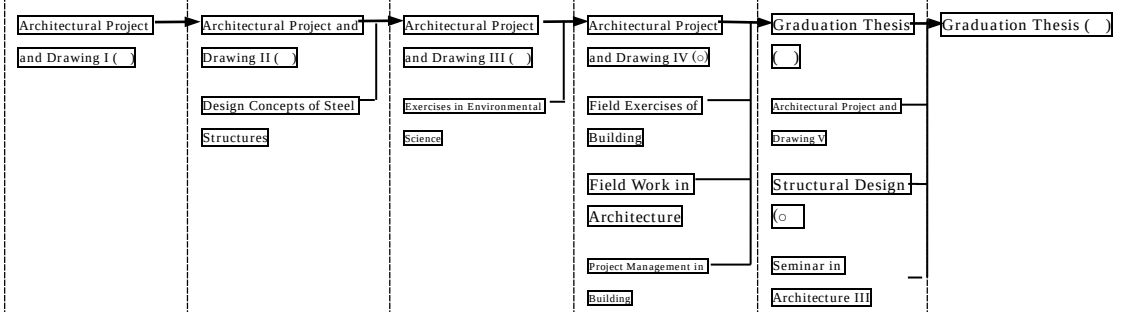
Relationships between the evaluation items and class subjects

				Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	Weighted values of .	
Liberal Arts Education	Introductory Seminar for First-Year Students	2	1semester																30	1	40	1	30	1		100
Liberal Arts Education	Peace Science Courses	2	1semester	100	1																					100
Liberal Arts Education	CommunicationI	1	1semester																		100	1				100
Liberal Arts Education	Communication I	1	1semester																		100	1				100
Liberal Arts Education	Communication II	1	2semester																		100	1				100
Liberal Arts Education	Communication II	1	2semester																		100	1				100
Liberal Arts Education	Basic language I	1	1semester																		100	1				100
Liberal Arts Education	Basic language II	1	1semester																		100	1				100
Liberal Arts Education	Information Courses	2	1semester							100	1															100
Liberal Arts Education	Area Courses	2	1semester	10	1	70	1	20	1																	100
Liberal Arts Education	Health and Sports Courses	2	1semester			100	1																			100
Liberal Arts Education	CalculusI	2	1semester							100	1															100
Liberal Arts Education	CalculusII	2	2semester							100	1															100
Liberal Arts Education	Linear AlgebraI	2	1semester							100	1															100
Liberal Arts Education	Linear AlgebraII	2	2semester							100	1															100
Liberal Arts Education	Seminar in Basic Mathematics I	1	1semester							100	1															100
Liberal Arts Education	Seminar in Basic Mathematics II	1	2semester							100	1															100
Liberal Arts Education	General Mechanics I	2	1semester							100	1															100
Liberal Arts Education	General Mechanics II	2	2semester							100	1															100
Liberal Arts Education	Experimental Methods and Laboratory Work in Physics I II	1	semester							100	1															100
Specialized Education	Applied Mathematics I	2	2semester							100	1															100
Specialized Education	Applied Mathematics II	2	semester							100	1															100
Specialized Education	Applied Mathematics III	2	semester							100	1															100
Specialized Education	Engineering Mathematics A	2	5semester							100	1															100
Specialized Education	Probability and Statistics	2	semester							100	1															100
Specialized Education	Environmental Theory	2	6semester			30	1							70	1											100
Specialized Education	Basic Engineering Computer Programming	2	5semester							100	1															100
Specialized Education	Synthesis of Applied Mathematics	2	4semester							100	1															100
Specialized Education	Technical English	1	4semester																		100	1				100
Specialized Education	Creation of Architectural Space	2	2semester							100	1															100
Specialized Education	Lifestyle and the city	2	2semester							100	1															100
Specialized Education	Building Material	2	4semester													100	1									100
Specialized Education	Experiments on Building Materials	1	5semester													60	1						10	1	30	1	100
Specialized Education	Introduction of Building Structure	2	semester													100	1									100
Specialized Education	Architectural Project and Drawing I	2	semester	20	1							60	1										10	1	10	1	100
Specialized Education	Architectural Project and Drawing II	2	4semester			20	1					60	1										10	1	10	1	100
Specialized Education	Architectural Structural Mechanics I	4	semester							20	1					80	1									100
Specialized Education	Architectural Structural Mechanics II	4	4semester							20	1					80	1									100
Specialized Education	Vibration Theory of Buildings	2	6semester							20	1					80	1									100
Specialized Education	Reinforced concrete structure	2	5semester													100	1									100
Specialized Education	Geotechnical and Architectural Foundation Engineering	2	6semester							20	1					80	1									100
Specialized Education	Building Administration	2	5semester					40	1			60	1													100
Specialized Education	Field Exercises of Building	1	5Asemester					10	1									60	1				10	1	10	1	10	1	100
Specialized Education	History of Japanese Architecture	2	4semester			40	1					60	1													100
Specialized Education	Architectural Planning	2	semester			10	1					70	1							10	1		10	1		100
Specialized Education	Town Planning	2	4semester			20	1					70	1							10	1					100
Specialized Education	Architectural Environments I	2	semester											100	1											100
Specialized Education	Architectural Environments II	2	4semester											100	1											100
Specialized Education	Exercises in Environmental Science	1	5semester											70	1								10	1	20	1	100
Specialized Education	History of contemporary architecture I	2	semester			20	1					80	1													100
Specialized Education	Field Work in Architecture	1	6semester															70	1			10	1	10	1	10	1	100
Specialized Education	Computer Technology in Architecture	2	4semester							100	1															100
Specialized Education	Design Concepts of Steel Structures	2	4semester													80	1						10	1	10	1	100
Specialized Education	Architecture drawings	2	semester									60	1							40	1					100
Specialized Education	Methods of Structural Analysis	2	6semester															100	1							100
Specialized Education	Earthquake Resistant Structures	2	6semester															100	1							100
Specialized Education	Structural Design	2	7semester															60	1	10	1	10	1	10	1	10	1	100
Specialized Education	Building Construction	2	semester					20	1									80	1							100
Specialized Education	Disaster Prevention of Buildings	2	7semester															100	1							100
Specialized Education	Seminar in Architecture I	2	semester															60	1			20	1	20	1	100
Specialized Education	Design of Steel Structures	2	semester															100	1							100
Specialized Education	History of contemporary architecture II	2	6semester	20	1	20	1											60	1							100
Specialized Education	Architectural Planning II	2	4semester			10	1											70	1	10	1		10	1		100
Specialized Education	Building Services I	2	semester															100	1							100
Specialized Education	Building Services II	2	6semester															100	1							100
Specialized Education	Architectural Project and Drawing III	3	semester	10	1	10	1											40	1	10	1	10	1	10	1	10	1	100
Specialized Education	Architectural Project and Drawing IV	3	6semester	10	1	10	1											40	1	10	1	10	1	10	1	10	1	100

Specialized Education

Academic Achievement	Evaluation Items

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 ( )
		Introductory Seminar for First-Year Students ( )		Architectural Planning					
Comprehensive Abilities (F)	Understanding on cultivation of design capacity.								

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)