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

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 construction of buildings of every kind, such as housing, cultural facilities, public institutions, commercial facilities, and industrial facilities, and in the areas related to urban planning and interior planning. They also work actively as architects at construction companies, the housing industry, architectural design offices, and local governments. This program has an educational system that includes the lectures and exercises necessary to meet the academic requirements to qualify for candidacy in the examinations for second-class and first-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 bachelor’s degree in engineering 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:

”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.

•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.

•Students achieve goal C (cultivation of ethics as engineers) through mastery of the specialized basic subjects "Building Administration", and the specialized subject "Building Construction", and "Ethics of Architecture" offered in the third year.

•Students achieve goal D (acquisition of basic knowledge of engineering) through mastery of the specialized basic subjects "Applied Mathematics I II", "Probability and Statistics", "Creation of Architectural Space", and "Computer Technology in Architecture" offered from the first year through the second year.

•Students achieve goal E (acquisition of architectural expertise and abilities) through mastery of "Creation of Architectural Space" offered in the first year, and the courses on building engineering, architectural environments, and architectural planning offered from the second year through the third year.

•Students achieve goal F (cultivation of design capabilities) through mastery of the specialized basic subject "Architecture Drawings" offered in the second year, and the specialized subjects "Project Management in Building", "Artistic Practice", and "Structural Design" offered from the third year through the fourth year.

•Students achieve goal G (cultivation of communication skills) through mastery of liberal arts education subjects,

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* See the curriculum map in the attached sheet 4.

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

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

"Knowledge and Abilities" (D) Possession of basic engineering knowledge in architecture

"Abilities and Skills" (E) Possession of comprehensive, i

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 registration	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		○														
	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																
	Common Subjects	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																		

Sheet

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.

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 a7 11.4 (i)1e6(0 04 Tc 0 04 Tw)T326 0 Td[DfB116 4 T113.4 (i8.48re5	

Comprehensive Abilities (I)	(I) Understanding on cultivation of ability for planning and exercising				Architectural Project and Drawing I ( )	Architectural Project and Drawing II ( ) Design Concepts of Steel Structures	Architectural Project and Drawing III ( ) Exercises in Environmental Science	Architectural Project and Drawing IV (○) Field Exercises of Building Field Work in Architecture Project Management in Building	Graduation Thesis ( ) Architectural Project and Drawing V Structural Design (○ Seminar in Architecture III	Graduation Thesis ( )

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