For entrants in AY 2019

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

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

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 (more than two

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 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.
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.

education subjects in the first year when they are enrolled in school of
-
physics, as foundation courses. Students also
I
subjects.
Program of Architecture and Building
Engineering

planning, architectural planning, and architectural design drawing.

students acquire the comprehensive knowledge and methodology necessary to undertake architecture in the 21st century.
mic 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.
rofessionals that can contribute 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
,
second year.

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

foreig -

Architecture I, third year.

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offered from the third year through the fourth year.

make plans and to implement them) through mastery of the

, IV,

year through the fourth year.

5. Program Timing and Acceptance Conditions

to start the program

This program starts from the first 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

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 architects upon graduation. If they have had hands-on experience for more than two years, students qualify for candidacy for the examination for class 1 architects. Type-1

the 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.

8. Academic Achievements

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

ion for each subject, from admission to the

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.

Evaluation of academic achievement	Converted values
S (Excellent: 90 points or higher)	4
A (Superior: 80-89 points)	3

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

* 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

sion of comprehensive, individual expertise and abilities in architecture

on an ongoing basis

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

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 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

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

em 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

ation 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

ram are able to view the records of the meetings or committees that constitute the education evaluation system

evaluations, and whether the related activities are being conducted

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

attainment levels are conducted continuously.

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

about lecture implementation status, lecture improvement plans, opinions about other lectures, etc.

(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 and improvement strategy decided here is considered to have been explained to all members, and is then put into action. In particular, regarding matters associated with the curriculum, the curriculum examination working group in the self-assessment evaluation committee makes its own checks and proposes the necessary improvement plan. The validity of this program from the point of view of society is checked by the external evaluation working group, evaluated by external academics, and checked by means of a questionnaire targeted at employers and graduates. These activities are conducted on an ongoing basis.

In this pro

students at the end of the semester, tutors give guidance so that students can achieve the learning and educational goals. Tutors also respond to studen

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Cluster 4　Specialized Basic Subjects

Required subjects
} Compulsory Elective subjects
Request Subjects

Class Subjects	Credits	Type of course registration: Civil and Environmental Engineering	Type of course registration: Architecture and Building Engineering	Class Hours/ Week: 1st grade Spring 1T	1st grade Spring 2T	1st grade Fall 3T	1st grade Fall 4T	2nd grade Spring 1T	2nd grade Spring 2T	2nd grade Fall 3T	2nd grade Fall 4T	3rd grade Spring 1T	3rd grade Spring 2T	3rd grade Fall 3T	3rd grade Fall 4T	4th grade Spring 1T	4th grade Spring 2T	4th grade Fall 3T	4th grade Fall 4T	Note
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							
Civil and Environmental Engineering and Engineer's Ethics	2														4					
Exercise of Technical English	1												4							
Field Work at Construction Sites	1													4						
Strength of Materials	2								4											
Exercise of Strength of Materials	1								4											
Materials Science	2								4											
Fluid Mechanics	2								4											
Fundamentals of Environmental Science	2										4									
Land Survey	2							4												
Exercise of Surveying	2							8												
Structural Mechanics	2									4										
Exercise of Structural Mechanics	1									4										
Hydraulics	2										4									
Exercise of Hydraulics	1										4									
Concrete Engineering	2									4										
Soil Mechanics	2									4										
Exercise of Soil Mechanics	1									4										
Infrastructure Planning	2										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: Civil and Environmental Engineering	Type of course registration: Architecture and Building Engineering	Class Hours/ Week: 1st grade Spring 1T	1st grade Spring 2T	1st grade Fall 3T	1st grade Fall 4T	2nd grade Spring 1T	2nd grade Spring 2T	2nd grade Fall 3T	2nd grade Fall 4T	3rd grade Spring 1T	3rd grade Spring 2T	3rd grade Fall 3T	3rd grade Fall 4T	4th grade Spring 1T	4th grade Spring 2T	4th grade Fall 3T	4th grade Fall 4T	Note
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 Japanese Architecture	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							
History of contemporary architecture I	2		Ⓒ									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												

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 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 IV	3												9	9					
Architectural Project and Drawing V	2														6	6			
Artistic Practice	2														6	6			
Seminar in Architecture II	2												4						
Seminar in Architecture III	1														1	1			
Urban Environment	2											4							
Peace Urbanism and Architecture	2												4						
Sustainable Design	1												1	1					
Vegetation Ecology	1													2					
Project Management in Building	2	Ⓔ											4						
Ethics of Architecture	2													4					
Graduation Thesis	5																		

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A h ekj Eai			A ahhaj	Ra Ckk	Ckk
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	A)	j a j ejc kj he ekj kba la gjk hca j ehe bk dea a j ehejc ajcejaa ejc . kil adaj e a j j a gjk hca j ehe k a ahkd e bk ehejc ajcejaa aejc hak i i e a k i aj kb da j a kj aj kj aeda)( ) k)	j a j j a hakalhej he ekj kb a la gjk hca j ehe bk dea a j ehejc ajcejaa ejc . kil adaj e a j j a gjk hca j ehe k a ahkd e bk ehejc ajcejaa aejc hak i i e a k i aj kb da j a kj aj kj aeda)( ) k)	j a j he ekj kba la gjk hca j ehe bk dea a j ehejc ajcejaa ejc . kil adaj e a j j a gjk hca j ehe k a ahkd e bk ehejc ajcejaa aejc hak i i e a k i aj kb da j a kj aj kj aeda)( ) k)	j a j k hejakb he ekj kba la gjk hca j ehe bk dea a j ehejc ajcejaa ejc . kil adaj e a j j a gjk hca j ehe k a ahkd e bk ehejc ajcejaa ejc . kil adaj e a j j a gjk hca j ehe k a ahkd e bk ehejc ajcejaa aejc hak i i e a k i aj kb da j a kj aj kj aeda)( ) k)
Ka h ehe ea	B	j a j ejc kj he ekj kb a ecj l e aejc hakej e ae a j k l kl k a kh ekj bk ceaj fa bki ek lkej kb ea aejc hak j a j da k eh gc k j kb dae aa d j k l kl k a da aa d lhj bk dae da a	j a j j a hakalhej he ekj kb a ecj l e aejc hakej e ae a j k l kl k a kh ekj bk ceaj fa bki ek lkej kb ea aejc hak j a j da k eh gc k j kb dae aa d j k l kl k a da aa d lhj bk dae da a	j a j he ekj kb a ecj l e aejc hakej e ae a j k l kl k a kh ekj bk ceaj fa bki ek lkej kb ea aejc hak j a j da k eh gc k j kb dae aa d j k l kl k a da aa d lhj bk dae da a	j a j k hejakb he ekj kb a ecj l e aejc hakej e ae a j k l kl k a kh ekj bk ceaj fa bki ek lkej kb ea aejc hak j a j da k eh gc k j kb dae aa d j k l kl k a da aa d lhj bk dae da a
	C	j a j ejc kj he ekj kb ki i je ekj ehe - Ej a j ekj h ki i je ekj ehe aejc hakej k a dai aha k bk aecja j i ga ki i je ekj aejc hak a j e a adje hl la kj dea a j ehejc ajcejaa ejc ejc e ekj ea . ki i je ekj ehe ej F l jaa aejc hakej k a dae k j e a k enj a j k d a ma ekj j a a ekj aejc hak l al a la e a i a e h aejc hak b hh j a j adje hl la kj dea a j ehejc ajcejaa ejc c ekj da a bk a i lhn j k l al a i j e l k kj a da a a d a h	j a j j a hakalhej he ekj kb ki i je ekj ehe - Ej a j ekj h ki i je ekj ehe aejc hakej k a dai aha k bk aecja j i ga ki i je ekj aejc hak a j e a adje hl la kj dea a j ehejc ajcejaa ejc ejc e ekj ea . ki i je ekj ehe ej F l jaa aejc hakej k a dae k j e a k enj a j k d a ma ekj j a a ekj aejc hak l al a la e a i a e h aejc hak b hh j a j adje hl la kj dea a j ehejc ajcejaa ejc c ekj da a bk a i lhn j k l al a i j e l k kj a da a a d a h	j a j he ekj kb ki i je ekj ehe - Ej a j ekj h ki i je ekj ehe aejc hakej k a dai aha k bk aecja j i ga ki i je ekj aejc hak a j e a adje hl la kj dea a j ehejc ajcejaa ejc ejc e ekj ea . ki i je ekj ehe ej F l jaa aejc hakej k a dae k j e a k enj a j k d a ma ekj j a a ekj aejc hak l al a la e a i a e h aejc hak b hh j a j adje hl la kj dea a j ehejc ajcejaa ejc c ekj da a bk a i lhn j k l al a i j e l k kj a da a a d a h	j a j k hejakb he ekj kb ki i je ekj ehe - Ej a j ekj h ki i je ekj ehe aejc hakej k a dai aha k bk aecja j i ga ki i je ekj aejc hak a j e a adje hl la kj dea a j ehejc ajcejaa ejc ejc e ekj ea . ki i je ekj ehe ej F l jaa aejc hakej k a dae k j e a k enj a j k d a ma ekj j a a ekj aejc hak l al a la e a i a e h aejc hak b hh j a j adje hl la kj dea a j ehejc ajcejaa ejc c ekj da a bk a i lhn j k l al a i j e l k kj a da a a d a h
	D	j a j ejc kj a ekj bk ahh) a ahkd i aj j ahh) ei l kai aj aejc hak kh i a e h aha a k a aj l k hni	j a j j a hakalhej a ekj bk ahh) a ahkd i aj j ahh) ei l kai aj aejc hak kh i a e h aha a k a aj l k hni	j a j a ekj bk ahh) a ahkd i aj j ahh) ei l kai aj aejc hak kh i a e h aha a k a aj l k hni	j a j k hejakba ekj bk ahh) a ahkd i aj j ahh) ei l kai aj aejc hak kh i a e h aha a k a aj l k hni
	E	j a j ejc kj he ekj kb ehe bk l hjjejc j a a e ejc aejc hak ki l hed dae fa j k i i e a da a h edej e i a hie A la enj ejc kh k e a k g d k cd a la ei aj (l e a j c ekj da a	j a j j a hakalhej he ekj kb ehe bk l hjjejc j a a e ejc aejc hak ki l hed dae fa j k i i e a da a h edej e i a hie A la enj ejc kh k e a k g d k cd a la ei aj (l e a j c ekj da a	j a j he ekj kb ehe bk l hjjejc j a a e ejc aejc hak ki l hed dae fa j k i i e a da a h edej e i a hie A la enj ejc kh k e a k g d k cd a la ei aj (l e a j c ekj da a	j a j k hejakb he ekj kb ehe bk l hjjejc j a a e ejc aejc hak ki l hed dae fa j k i i e a da a h edej e i a hie A la enj ejc kh k e a k g d k cd a la ei aj (l e a j c ekj da a

Lh ai aj kb da He a h A ekj ej da I fk L kc i

He a h a ekj ej de l kc i ga kj da kha kb eh ejc j ai e bk j ekj kj ded da l a e hea a ekj ej dea a eh ha eh E he a eaj ehe dejgejc ehe ea a kj a la bk kh j j ahh) ahe j e a(c da ejc ehe (j h e h ehe (j e e h dejgejc ehe (j a he da j k hkkg d j l k e a ej ecd ej k daa aj a j gc k j kb dejc bki k l a l a e a(ahh ajc da j ejc da h jc ca geh h j ej a a ej l a a ll kl e a bk d k a dk he a j ej a j ekj hh i ej a l ak l ha(j ej k l k ejc k jca kbgjk hca ej k k kbgjk hca ca j ejah ab hhk kh ejc l k hai

Sheet

Relationships between the evaluation items and class subjects

Subject type	Class subjects	credits	Period	Evaluation items																								Total weighted values of evaluation items in the subject
				Knowledge and Understanding								Abilities and Skills								Comprehensive Abilities								
				(A)		(B)		(C)		(D)		(E-1)		(E-2)		(E-3)		(E-4)		(F)		(G)		(H)		(I)		
				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	Weighted values of evaluation items in the subject	Weighted values of evaluation items	
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 A	1	1semester																			100	1					100
Liberal Arts Education	Communication I B	1	1semester																			100	1					100
Liberal Arts Education	Communication II A	1	2semester																			100	1					100
Liberal Arts Education	Communication II B	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	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	3semester							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	3semester							100	1																	100
Specialized Education	Synthesis of Applied Mathematics	2	6semester							100	1																	100
Specialized Education	Technical English	1	6semester																			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	6semester													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	6semester			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	6semester							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	5/6semester					10	1									60	1			10	1	10	1	10	1	100
Specialized Education	History of Japanese Architecture	2	6semester			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	6semester			20	1					70	1							10	1							100
Specialized Education	Architectural Environments I	2	semester											100	1													100
Specialized Education	Architectural Environments II	2	6semester											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	6semester							100	1																	100
Specialized Education	Design Concepts of Steel Structures	2	6semester													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	5semester															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	6semester			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	Architectural Project and Drawing V	2	7semester															40	1	20	1	10	1	10	1	20	1	100
Specialized Education	Artistic Practice	2	7semester															60	1	30	1	10	1					100
Specialized Education	Seminar in Architecture II	2	6semester															60	1			20	1	20	1			100
Specialized Education	Seminar in Architecture III	1	7semester															50	1	10	1	10	1	10	1	20	1	100
Specialized Education	Urban Environment	2	semester															100	1									100
Specialized Education	Peace Urbanism and Architecture	2	6semester	30	1	10	1											60	1									100
Specialized Education	Sustainable Design	1	6semester															100	1									100
Specialized Education	Vegetation Ecology	1	6semester															100	1									100
Specialized Education	Project Management in Building	2	6semester															80	1	10	1					10	1	100
Specialized Education	Ethics of Architecture	2	6semester					90	1									10	1									100
Specialized Education	Graduation Thesis	5	7/8semester							10	1							40	1	10	1	20	1	10	1	10	1	100

Sheet 4　Curriculum Map