

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 :	
<p>2. Overview</p> <p>(1) -</p> <p>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.</p> <p>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.</p> <p>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).</p> <p>(2) Prog Program of Architecture and Building Engineering</p> <p>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.</p> <p>In this program, students learn, in a comprehensive manner, basic engineering knowledge related to architectural design and planning, building environment and services, building engineering, and building materials and production, as well as the knowledge necessary for actual business, such as architectural economy, architectural administration, etc., and artistic and creative abilities. Over half of the graduates advance to the first semester of the se and research competency. After graduation, graduates work actively as engineers in planning, design, equipment, and structure. They work on the construction of buildings of every kind, such as , uc(i)-6(n d0or)-(c)-gsllass architects.</p>	
<p>3. Academic Awards Policy (Policy for awarding degrees and goal of the program)</p> <p>In the Program of Architecture and Building Engineering, students acquire a wide range of knowledge, education, engineering ability, and technical skill for creating living environments, against the background of the unique features of Hiroshima. This program cultivates the ability to voluntarily explore and create new buildings that respond to sustainable development and the information-driven society of the 21st century. This program awards a to students who have acquired a deep and broad education, a global perspective to seek peace, the ability to make comprehensive judgments, and who have acquired the number of credits to meet the requirements of the course, a liberal arts education aimed at cultivating a well-rounded character, and the</p>	

specialized education designed to achieve the following goals:

- (A) The ability to contribute to the realization of peaceful living environments through the creation of architecture (development of professionals who can contribute to a peaceful living environment)
- (B) The ability to contribute to social progress and human happiness (development of professionals that can contribute to human happiness)
- (C) Possession of a deep personality and ethics as an engineer (cultivation of ethics as engineers)
- (D) Possession of basic knowledge of engineering in architecture (acquisition of basic knowledge of engineering)
- (E) Possession of comprehensive, individual expertise and abilities in architecture (acquisition of architectural expertise and abilities)
- (F) Possession of design capabilities (cultivation of design capabilities)
- (G) Possession of Japanese communication skills and international communication skills (cultivation of communication skills)
- (H) The ability to undertake personal development and continued training on a permanent basis (cultivation of ability to undertake personal development and continued training)
- (I) Possession of the ability to make precise and rational plans, and to implement them (cultivation of ability to make plans and to implement them)

4. Curriculum Policy (Policy for Preparing and Implementing the Curriculum)

The Program of Architecture and Building Engineering organizes and implements a curriculum according to the following policy, so that students may achieve the goals A to I in the academic awards policy.

learn mainly liberal arts education subjects in the first year when they are enrolled in school of
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ages, and mathematics and physics, as foundation courses. Students also
I
subjects.

Program of Architecture and Building
Engineering

planning, architectural planning, and architectural design drawing.

ety of subjects in these diverse fields, and at diverse levels of specialization, in a systematic way,
students acquire the comprehensive knowledge and methodology necessary to undertake architecture in the 21st
century.

t the end of the third year, and qualification for undertaking a graduation thesis
is judged. After this judgment has been made, when students advance to the fourth year, they are assigned to a
laboratory, select their subject of specialized research, begin their graduation research, including experiments,
surveys, etc., undergo final examination of their finished graduation thesis, and, finally, obtain graduation and their
academic degree.

tribute to peaceful living environments) through

Students achieve goal B (development of professionals that can contribute to human happiness) through mastery
offered in the second year.

Students achieve goal C (cultivation of ethics as engineers) through mastery of the specialized basic subjects
and the specialized subject

the third year.

Students achieve goal D (acquisition of basic knowledge of engineering) through mastery of the specialized basic

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

ry Seminar for First-

Architecture I,

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

offered from the third year through the fourth year.

specialized subje , IV,
year through the fourth year.

In the curriculum described above, teaching and learning will be implemented by utilizing active learning, experiential learning and online classes, depending on the delivery methods of the program, such as lectures, drawing and seminars.

In addition to strict grading using the standards clearly outlined in the syllabus, learning outcomes are evaluated based on the degree to which the goals set by the educational program are achieved.

5. Program Timing and Acceptance Conditions

The English- Program
of Architecture and Building Engineering occurs in the second semester of the second year, when students have completed many subjects in the liberal arts course. Cluster 4 has two programs: Architecture and Building Engineering, and Civil and Environmental Engineering. Each program has an upper limit for the acceptable number of students. Assignment to each program is decided at the end of the first year, after taking into account the requests of students and their academic results. The subject that it is recommended to take in the first year of the Program of Architecture and Building Engineering

Additional Requirements

To determine acceptance into the English-
an individual consultation with the faculty committee members.
ments

As architecture involves human living as a whole, it is desirable to learn as wide a range of subjects as possible in the liberal arts course, regardless of whether these subjects belong to humanities or science courses.

6. Qualifications to be Acquired

Students qualify for candidacy for the examination for class 2 and class 1 architects upon graduation. Type-1 High
prescribed liberal arts subjects, students can obtain the Type-1 High School Teaching License (Industry) upon graduation.

7. Class Subjects and Course Content

* For class subjects, see the subject list in the attached sheet 1. (Subject list to be attached.)

* For course content, see the syllabus published every academic year.

* All courses are taught in Japanese. Course materials may be written in both Japanese and English or only English.

8. Academic Achievements

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

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

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

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

engineering knowledge in architecture

on an ongoing basis

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

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

Conditions for undertaking a graduation thesis

- (1) Students must acquire 46 credits in liberal arts education.
- (2) Students must acquire 38 or more credits (including all compulsory subjects) in the basic special courses of the specialized education.
- (3) Students must complete Architectural Project and Drawing III, IV .
- (4) Out of the total number of credits in basic special education and special education to be acquired before graduation (excluding the 5 credits for graduation thesis), the number of credits yet to be obtained should be 10 or fewer.

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

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

10. Responsibility System

- (1) PDCA responsibility

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

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

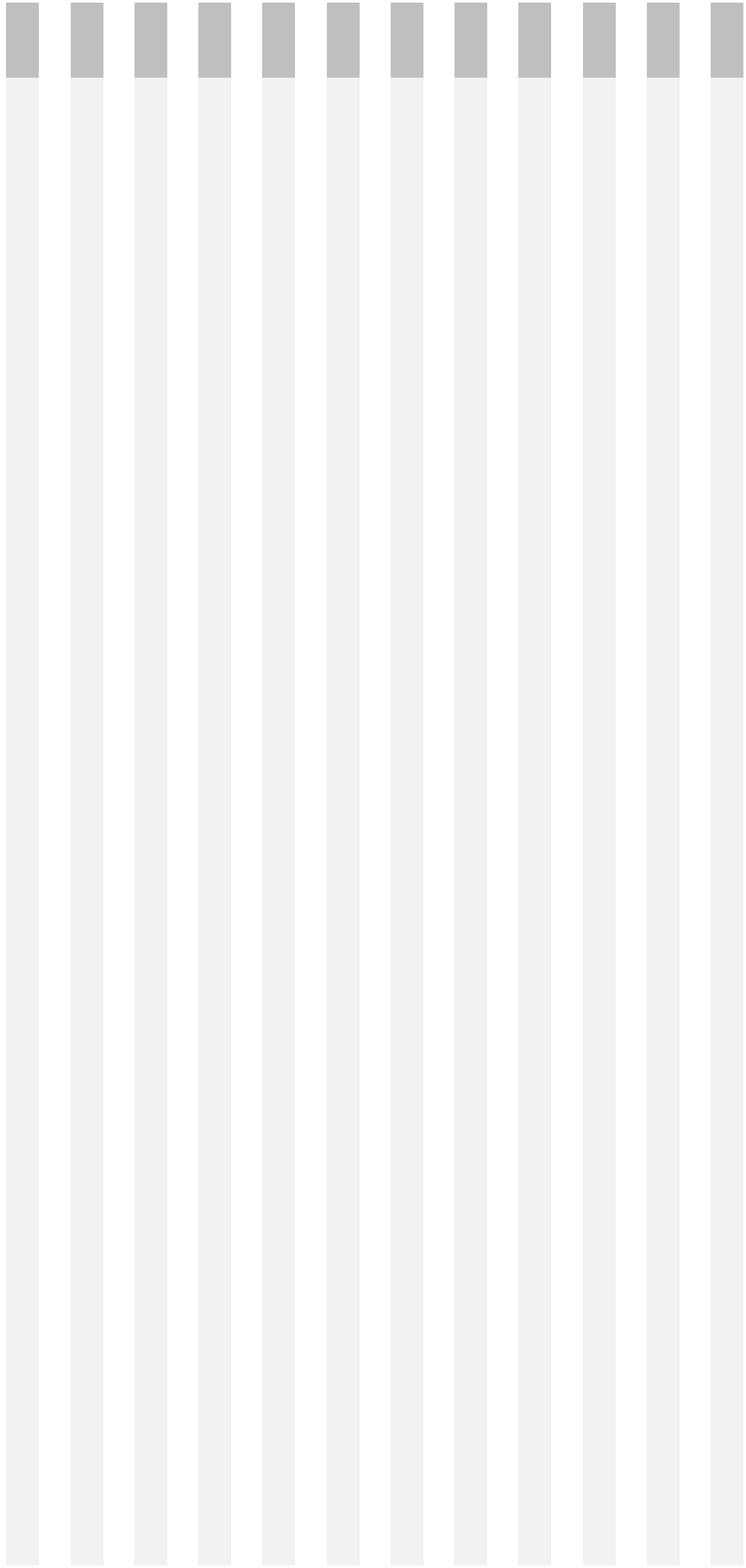
measures, etc. targeted at teachers is carried out. This program improves classes in response to student requests.

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