

Curriculum for the Qualification to Take *KENCHIKUSHI* License Examinations in the Major in URP at the CPPS

The qualification to take *KENCHIKUSHI* (Japan's qualified and registered architect) License Examinations is given to those who have graduated after completing the courses related to architecture designated by the Minister of Land, Infrastructure, Transport, and Tourism (MLIT). Details are shown in Table 1.

Students in the Major in Urban and Regional Planning of the College of Policy and Planning Sciences can achieve the qualification to take 1ST/2ND-Class and *MOKUZO*(wooden) *KENCHIKUSHI* License Examinations after graduation by acquiring the prescribed number of credits or more in courses corresponding to those listed in Table 2.

However, in order to obtain an *KENCHIKUSHI* license, it is necessary for applicants to have the experience specified by an Ordinance of the MLIT (having worked in architecture for the prescribed period or longer), in addition to passing these examinations. Courses available at other colleges/schools can also be counted to fulfill graduation requirements as related free choice courses. It is advisable for students who wish to achieve the qualification, to take courses according to the curriculum shown in Table 2.

Please pay attention to notifications, as the courses available at the university listed in Table 2 may be revised every year.

Table 1 Requirements for taking Architect Licensure Examinations and for license registration

Designated subjects	Exam for 1ST-CLASS <i>KENCHIKUSHI</i>			Exam for 2ND-CLASS/ <i>MOKUZO</i> <i>KENCHIKUSHI</i>		
1) Architectural Design Drawing	7 credits			3 credits		
2) Architectural Planning	7 credits			2 credits		
3) Building Environmental Engineering	2 credits					
4) MEP Systems	2 credits			3 credits		
5) Structural Dynamics	4 credits					
6) General Structure of Building	3 credits					
7) Building Materials	2 credits			1 credit		
8) Building Construction	2 credits					
9) Building-related Laws and Regulations	1 credit			1 credit		
Subtotal from 1) to 9) (a)	30 credits			10 credits		
10) Compound or Related Subjects (b)	suitable			suitable		
(a) + (b)	60 credits	50 credits	40 credits	40 credits	30 credits	20 credits
Essential experience years in architectonic business to take the exam	0 year after graduation			0 year after graduation		
Essential experience years in architectonic business for license registration	2 years after graduation	3 years after graduation	4 years after graduation	0 year after graduation	1 years after graduation	2 years after graduation

Recommended to aim at 60 credits or more.

Necessary to aim at 40 credits at the least.

Table 2 Major in URP's Courses Correspondent to the Designated Subjects

Categories of the Designated Subjects		Courses at University of Tsukuba	Credits	Offered by
1ST-CLASS	2ND-CLASS/ MOKUZO			
Architectural Design Drawing (7 credits or more)	Architectural Design Drawing (3 credits or more)	Fundamental Drawing	1	College of Policy and Planning Sciences
		Seminar in Living Environment Design	6	College of Policy and Planning Sciences
		Practice for Facility Design	2	College of Policy and Planning Sciences
Architectural Planning (7 credits or more)	Architectural planning, Building Environmental Engineering or MEP System (2 credits or more)	Design of Urban Space	2	College of Policy and Planning Sciences
		Planning of Housing and Habitat	2	College of Policy and Planning Sciences
		History of Urban Planning	2	College of Policy and Planning Sciences
		Architecture Planning	2	School of Art and Design
		Architectural Design Theory	2	School of Art and Design
		Architectural History	1	School of Art and Design
		Global History of Architecture	2	School of Art and Design
		Architectural Environmental Engineering	2	College of Engineering Systems
Building Environmental Engineering (2 credits or more)		Environmental Planning in Architecture	2	School of Art and Design
		MEP Systems (2 credits or more)	Architectural Equipments	2
		Workshops on Environmental Control System in Architecture		2
Structural Dynamics (4 credits or more)	Structural Dynamics, General Structure of Building or Building Materials (3 credits or more)	Introduction to Materials Engineering	1	College of Engineering Systems
		Materials Engineering I	1	College of Engineering Systems
		Advanced Materials Engineering II	2	College of Engineering Systems
		Structural Mechanics I	2	College of Engineering Systems
		Structural Mechanics II	1	College of Engineering Systems
		Theory of Vibration	3	College of Engineering Systems
		Soil Mechanics	2	College of Engineering Systems
		Geotechnical Engineering	1	College of Engineering Systems
		Structural Mechanics in Architecture	2	School of Art and Design
		Structural Planning in Architecture	2	School of Art and Design
General Structure of Building (3 credits or more)		Reinforced Concrete Structure	1	College of Engineering Systems
		Disaster Reduction Engineering	2	College of Engineering Systems
		Steel Structure	1	College of Engineering Systems
		Building Construction	2	School of Art and Design
		Seminars: Building Constructions	1	School of Art and Design
Building Materials (2 credits or more)		Concrete Engineering	2	College of Engineering Systems
		Introduction to Material Science for Engineers	1	College of Engineering Systems
		Advanced Material Science for Engineers	1	College of Engineering Systems
		Mechanics of Composite Materials	2	College of Engineering Systems
		Building Materials	2	School of Art and Design

Categories of the Designated Subjects	Courses at University of Tsukuba	Credits	Offered by
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1ST-CLASS	2ND-CLASS/ MOKUZO			
Building Construction (2 credits or more)	Building Construction (1 credit or more)	Independent Study: Building Economy	1	College of Policy and Planning Sciences
		Building Construction	1	College of Policy and Planning Sciences
Building-related Laws and Regulations (1 credit or more)	Building-related Laws and Regulations (1 credit or more)	Independent Study: Related laws and regulations on building	1	College of Policy and Planning Sciences
Others (suitable)	Others (suitable)	New Wave of Urban Planning	2	College of Policy and Planning Sciences
		Seminar in Information Systems: Urban and Regional Planning	3	College of Policy and Planning Sciences
		Principles of Urban Planning	2	College of Policy and Planning Sciences
		Landscape and Environmental Planning	2	College of Policy and Planning Sciences
		Urban Disaster Management	2	College of Policy and Planning Sciences
		Urban Land Use Planning	2	College of Policy and Planning Sciences
		Introduction to Urban and Regional Planning	1	College of Policy and Planning Sciences
		Ethics for Engineers	1	College of Engineering Systems
		Landscape Design	2	School of Art and Design
		Introduction to Architectural Design	1	School of Art and Design
		Introduction to Environmental Design	1	School of Art and Design
		Introduction to World Heritage Studies	1	School of Art and Design
		General Lectures on Design History A	1	School of Art and Design
		General Lectures on Design History B	1	School of Art and Design
		Design Studies	1	School of Art and Design
		Urban Design	2	School of Art and Design
		Architectural design and society	1	School of Art and Design
Community based Social Action	2	School of Art and Design		