

Institute of Construction Engineering
Curriculum Requirements for Enrollees in the Academic Year 114 (Fall 2025)

Program	Master's Program for the Day Division																	
Group	None																	
Class Type	Regular Class																	
Special Program	None																	
Curriculum Committee	Department Curriculum	114. 04. 15																
	College Curriculum	114. 05. 16																
	University Curriculum	114. 06. 09																
	Academic Affairs	114. 06. 09																
Graduation Credits /Study Duration	At least 30 credits required (plus 6 thesis credits), with a study period of 1 - 4 years; actual graduation credits based on the table below.																	
Credit Load per Semester	The courses and credits required for each semester are determined by the respective departments (or institutes). However, during the first academic year, the total number of credits per semester must not be fewer than 6 credits and not exceed 18 credits.																	
Required and Elective	Credits	Subject Category																
Required	14 Credits	Major Requirements (including Thesis)																
Elective	16 Credits	Major Elective																
Graduation	Course Title	Regulations/Notes																
Thesis	Thesis (6/6)	1. Guidelines for Degree Conferment 2. Regulations for Graduate Degree Examinations 3. Implementation Guidelines for Thesis/Dissertation Review and Quality Assurance Mechanisms 4. Guidelines for the Deferred Public Release Review of Theses and Dissertations																
Other Regulations																		
Remarks	"Computer Course" means computer access is required (computer and internet usage fee). Graduation Requirements : 「G07」: Thesis																	
First Semester, First Year				Second Semester, First Year														
Course	Course	Course Name	Credits / Hours	Notes	Course	Course	Course Name	Credits / Hours	Notes									
Major Required	MOJA41	Seminar(1)	2/2		Major Required	MOJA42	Seminar(2)	2/2										
Major Elective	MOJN01	Deep Excavation	3/3		Major Elective	MOJN16	Project Construction Management	3/3										
Major Elective	MOJN02	Resource recycling technology	3/3		Major Elective	MOJN17	Advanced Structural Analysis	3/3										
Major Elective	MOJN03	Advanced Material Mechanics	3/3		Major Elective	MOJN18	Advanced Reinforced Concrete	3/3										
Major Elective	MOJN04	Advanced Reinforced Concrete	3/3		Major Elective	MOJN19	Soil and Water Disaster Prevention Technique	3/3										
Major Elective	MOJN05	Advanced Engineering Materials	3/3		Major Elective	MOJN20	In-situ Observation and Evaluation of Foundation Engineering	3/3										
Major Elective	MOJN06	Applied Statistics	3/3		Major Elective	MOJN21	Reinforcement and Improvement of Soil	3/3										
Major Elective	MOJN07	Advanced Soil Mechanics	3/3		Major Elective	MOJN22	Shield Tunnel	3/3										
Major Elective	MOJN08	Advanced Rock Mechanics	3/3		Major Elective	MOJN23	Nondestructive Testing and Evaluation	3/3										
Major Elective	MOJN09	Advanced Foundation Engineering	3/3		Major Elective	MOJN24	microvibration measurement and analysis	3/3										

