

# 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	M0JA41	Seminar(1)	2/2		Major Required	M0JA42	Seminar(2)	2/2	
Major Elective	M0JN01	Deep Excavation	3/3		Major Elective	M0JN16	Project Construction Management	3/3	
Major Elective	M0JN02	Resource recycling technology	3/3		Major Elective	M0JN17	Advanced Structural Analysis	3/3	
Major Elective	M0JN03	Advanced Material Mechanics	3/3		Major Elective	M0JN18	Advanced Reinforced Concrete	3/3	
Major Elective	M0JN04	Advanced Reinforced Concrete	3/3		Major Elective	M0JN19	Soil and Water Disaster Prevention Technique	3/3	
Major Elective	M0JN05	Advanced Engineering Materials	3/3		Major Elective	M0JN20	In-situ Observation and Evaluation of Foundation Engineering	3/3	
Major Elective	M0JN06	Applied Statistics	3/3		Major Elective	M0JN21	Reinforcement and Improvement of Soil	3/3	
Major Elective	M0JN07	Advanced Soil Mechanics	3/3		Major Elective	M0JN22	Shield Tunnel	3/3	
Major Elective	M0JN08	Advanced Rock Mechanics	3/3		Major Elective	M0JN23	Nondestructive Testing and Evaluation	3/3	
Major Elective	M0JN09	Advanced Foundation Engineering	3/3		Major Elective	M0JN24	microvibration measurement and analysis	3/3	

[illegible]