

**Institute of Construction Engineering**  
**Curriculum Requirements for Enrollees in the Academic Year 113 (Fall 2024)**

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	12 Credits	Major Requirements (including Thesis)							
Elective	18 Credits	Major Elective							
Other Regulations									
Remarks	"Computer Course" means computer access is required (computer and internet usage fee).								
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	MOJB23	Environmental Applied Geology	3/3		Major Elective	MOJA09	Nonlinear Behavior of Structures	3/3	
Major Elective	MOJA04	Advanced Reinforced Concrete	3/3		Major Elective	MOJA11	Advanced Structural Analysis	3/3	
Major Elective	MOJA06	Advanced Engineering Materials	3/3		Major Elective	MOJA14	Advanced Reinforced Concrete	3/3	
Major Elective	MOJA07	Applied Statistics	3/3		Major Elective	MOJA17	Advanced Asphalt Material	3/3	
Major Elective	MOJA24	Overseas Studies	2/2		Major Elective	MOJA20	Project Construction Management	3/3	
Major Elective	MOJA31	Advanced Topics in Environmental Engineering	3/3		Major Elective	MOJA22	Structural Testing	3/3	
Major Elective	MOJB01	Advanced Soil Mechanics	3/3		Major Elective	MOJB06	Soil and Water Disaster Prevention Technique	3/3	
Major Elective	MOJB02	Advanced Foundation Engineering	3/3		Major Elective	MOJB10	In-situ Observation and Evaluation of Foundation Engineering	3/3	
Major Elective	MOJB03	Advanced Rock Mechanics	3/3		Major Elective	MOJB11	Reinforcement and Improvement of Soil	3/3	
					Major Elective	MOJB21	Shield Tunnel	3/3	
					Major Elective	MOJB22	Nondestructive Testing and Evaluation	3/3	
First Semester, Second Year					Second Semester, Second Year				
Course	Course	Course Name	Credits / Hours	Notes	Course	Course	Course Name	Credits / Hours	Notes

