

Master's degree minimum requirements

【Civil Engineering Program】

Students shall be required to complete master thesis and to acquire at least 30 credits.

Students shall be required to pass intermediate presentation exam and final presentation.

“Advanced Civil and Environmental Engineering (2 credits)” and “Practice in Civil and Environmental Engineering (2 credits)” for master thesis can be included the requirements of 30 credits.

Master's candidate must fulfill the requirements of “Registration Information” .

【Graduate school of Engineering】

Master thesis & 30 credits listed below;

1. 6 or more credits from “Advanced Subjects” are to be included in the total credits.
2. 6 or more credits from “Advanced Specialized Subjects” are to be included in the total credits.
3. 6 or more credits from “Professional Skill Development” are to be included in the total credits.

	Fall 2025		Spring 2026		Fall 2026		Spring 2027		
	Autumn	Winter	Spring	Summer	Autumn	Winter	Spring	Summer	
Master thesis	(Review) (Plan)	→				Intermediate presentation exam	→		
							Advanced Civil and Environmental Engineering (2◇) Practice in Civil and Environmental Engineering (2◇)		
Advanced Subjects (Min. 6 credits)	Field Survey Method (2☆)◆J(E)			Advanced Data Analysis (2☆)◆J(E)					
			Research Planning (2☆)◆J(E)					Advanced Earthquake Engineering (2☆)E(J)	
			Numerical Analysis (2☆)◆E(J)					Urban Engineering & Economics (2☆)◆(E)	
			Geo-Spatial Information Science (2☆)◆J(E)						
Advanced Specialized Subjects (Min. 6 credits)									
Structural & material	Technics of Seismic Isolation and Structural Control (2◎)E(J)		Advanced Structural Analysis (2◎)E		Advanced Steel Structure (2◎)J				
			Advanced Concrete Engineering (2◎)E						
Geotechnical	Advanced Foundation Design and Constructions (2◎)E		Geo-disaster Prevention and Mitigation (2◎)E		Advanced Geotechnical Modeling and its Application (2◎)E		Geo-environmental System Engineering (2◎)E		
Hydraulic & water resources	Environmental Hydraulics (2◎)E				Advanced Ocean and Coastal Engineering (2◎)E			Advanced River Engineering (2◎)E	
Planning	Land Development and Disaster Risk Management in Japan (2◎)E		Urban Development Project (2◎)E				Urban Transport Planning (2◎)E		
Environmental	Material Cycles and Waste Management (2◎)E		Environmental Planning (2◎)E		Advanced Ecological Engineering (2◎)E		Groundwater Environmental Systems (2◎)E		
			Biological Water Quality Control Engineering (2◎)E						
Professional Skill Development (Min. 6 credits)			Practice in Environmental Studies (2◇)J(E)						
		Problem Solution Seminar B (2◇)E							
		Presentation Exercise (2◇)E(J)							
	Civil Engineering Internship (2◇)								

Legend

Subject
 Thick line : compulsory
 Thin line : elective

Language
 J : Japanese-based
 E : English-based
 J(E) : Japanese & English
 E(J) : English & Japanese

Credit(s)
 ☆ : Advanced
 ◎ : Advanced specialized
 ◇ : Professional skill developments
 ◆ : Graduate & Undergraduate Collaborative Subjects