

Curriculum Map (Specialized Courses, Civil Engineering Program) (for students enrolled in 2021)

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	Civil core subject	Laboratory & practice					Common subject			
2025 Spring 8th Semester	Maintenance Engineering (2)	Environment/ Water resource (Min. 10 credits)					Graduation Research (12)			
2024 Fall 7th Semester	Bridge Engineering I · II (1+1)	Introduction to Architecture of Infrastructure and Environment I · II (1+1)		Laboratory Work B (2)						
2024 Spring 6th Semester	Structural Mechanics IIA · IIB (1+1)	Applied Geotechnical Engineering I · II (1+1)	Transportation Planning I · II (1+1)	Basics of Environmental Engineering I · II (1+1)	Hydrosphere Engineering I · II (1+1)	Technical Communication 3 (2) Business Communication in Japanese (1)				
2023 Fall 5th Semester	Structural Mechanics IA · IB (1+1)	Soil Mechanics IIA · IIB (1+1)	Mathematics for Planning I · II (1+1)	Hydraulics IIA · IIB (1+1)	Laboratory Work A (2)	Civil and Environmental Engineering Practice (2)	Engineering Mathematics I · II (1+1)	Japanese Industries I · II (2)	Technical Communication 2 (2) Active Japanese II (1) Progressive Japanese II (1)	
2023 Spring 4th Semester	Construction Materials I · II (1+1)	Soil Mechanics IA · IB (1+1)	Environmental Economics I · II (1+1)	Environmental System Engineering I · II (1+1)	Hydraulics IA · IB (1+1)	Surveying and Mapping (3)	Solid Mechanics I · II (1+1)	Introduction to Metallic Materials I · II (1+1)	Technical Communication 1 (2) Active Japanese I (1) Progressive Japanese I (1)	
2022 Fall 3rd Semester	Social infrastructure/ Structural system (Min. 8 credits)					Fluid Mechanics IA · IB (1+1)			Introduction to Engineering Analysis and Measurement I · II (1+1)	Fundamentals of Electronics & Information Engineering I · II (1+1)
2022 Spring 2nd Semester						Advanced Engineering (1)			Fundamentals of Electrical Engineering I · II (1+1)	Introduction to Information Processing I · II (1+1)
2021 Fall 1st Semester						Ordinary Differential Equation I · II (1+1)				

Required credits

Civil core subject (compulsory) 28 credits

Civil core subject (elective) 2 or more credits from 6 credits

Labo & practice (compulsory) 6 credits

Labo & practice (elective)

Common (compulsory) 36 credits (including Graduation Research 12 credits)

Common (elective) 2 or more credits from 19 credits

Total

Compulsory; 70 credits

Elective; 4 or more credits

74 or more credits