

Curriculum Map (Specialized Courses, Civil Engineering Program) (for students enrolled in 2017)

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	Civil core subject	Laboratory & practice	Common subject
2021 Spring 8th Semester	Social infrastructure/ Structural system (Min. 8 credits) Disaster prevention/ Soil system (Min. 6 credits) Transport/ Urban planning (Min. 6 credits) Environment/ Water resource (Min. 10 credits)		Graduation Research (12)
2020 Fall 7th Semester	Steel Structural Engineering (2) Seismic Engineering (2) Architecture of Infrastructure and Environment (2) Urban Planning (2) Ecological Engineering (2) River Engineering (2)	Laboratory Work C (2)	
2020 Spring 6th Semester	Mechanics and Design of Reinforced concrete (2) Structural Mechanics II (2) Disaster Mitigation System Engineering (2) Environmental Geotechnology (2) Transportation Planning (2) Water Supply and Water Resources Engineering (2) Coastal Engineering (2)	Laboratory Work B (2) Surveying and Mapping (3)	Technical Communication (2) Introduction to Engineering Analysis and Measurement (2)
2019 Fall 5th Semester	Structural Mechanics I (2) Soil Mechanics II (2) Mathematics for Planning (2) Basics of Environmental Engineering (2) Hydraulics II (2)	Laboratory Work A (2) Civil and Environmental Engineering Practice (2)	Engineering Mathematics (2) Japanese Industries (2) Fourier Analysis (2) Engineering Ethics (2)
2019 Spring 4th Semester	Construction Materials (2) Soil Mechanics I (2) Environmental System Engineering (2) Hydraulics I (2)		Solid Mechanics (2) Introduction to Metallic Materials (2) Complex Function Theory (2) Introduction to Information Processing (2) Inorganic Chemistry A (2)
2018 Fall 3rd Semester			Fluid Mechanics I (2) Ordinary Differential Equation (2) Fundamentals of Electronics & Information Engineering (2)
2018 Spring 2nd Semester			Fundamentals of Electrical Engineering (2)
2017 Fall 1st Semester			Advanced Engineering A (2)

Required credits

Civil core subject (compulsory) 12 credits
 Civil core subject (elective) 18 or more credits from 32 credits

Labo & practice (compulsory) 8 credits
 Labo & practice (elective)

Common (compulsory) 32 credits (including Graduation Research 12 credits)
 Common (elective) 2 or more credits from 12 credits

Total

Compulsory; 52 credits
 Elective; 20 or more credits

 72 or more credits