

Curriculum Map (Specialized Courses, Civil Engineering Program) (for students enrolled in 2022)

(); credits

| | Civil core subject | Laboratory & practice | | | | Common subject | | | |
|------------------------------------|---|---|---------------------------------------|--|--------------------------------------|---------------------------|---|--|--|
| 2026 Spring 8th Semester | Maintenance Engineering (2) | Environment/ Water resource (Min. 10 credits) | | | | Graduation Research (12) | | | |
| 2025 Fall 7th Semester | Bridge Engineering I · II (1+1) | Introduction to Architecture of Infrastructure and Environment I · II (1+1) | | Laboratory Work B (2) | | | | | |
| 2025 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) | Surveying and Mapping (3) | | Techncial Communication 3 (2) Business Communication in Japanese (1) | |
| 2024 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) Fourier Analysis I · II (1+1) Japanese Industries I · II (2) Tehcnical Communication 2 (2) Active Japanese II (1) Progressive Japanese II (1) | |
| 2024 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) | | | Solid Mechanics I · II (1+1) Complex Function Theory I · II (1+1) Engineering Ethics (1) Introduction to Metallic Materials I · II (1+1) Inorganic Chennistry I · II (1+1) Tehcnical Communication 1 (2) Active Japanese I (1) Progressive Japanese I (1) | |
| 2023 Fall 3rd Semester | Social infrastructure/ Structural system (Min. 8 credits) | | | | | | Fluid Mechanics IA · IB (1+1) Advanced Engineering (1) Ordinary Differential Equation I · II (1+1) Introduction to Engineering Analysis and Measurement I · II (1+1) Fundamentals of Electrical Engineering I · II (1+1) Fundamentals of Electronics & Information Engineering I · II (1+1) Introduction to Information Processing I · II (1+1) | | |
| 2023 Spring 2nd Semester | | | | | | | | | |
| 2022 Fall 1st Semester | | | | | | | | | |

Required credits

Civil core subject (compulsory) 28 credits

Labo & practice (compulsory) 6 credits

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

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

Labo & practice (elective)

Common (elective) 2 or more credits from 19 credits

Total

Compulsory; 70 credits

Elective; 4 or more credits

74 or more credits