

Faculty of Science and Technology / Department of Environmental Science and Technology
Curriculum

Specialized Education Department of Vehicle and Mechanical Engineering

■ – Compulsory Elective Subjects ■ – Elective Subjects

Classes	1st Year	2nd Year	3rd Year	4th Year
Basic Interdisciplinary Subjects in Science and Technology	English Communication I · II German I · II French I · II Chinese I · II Science of Physical Education I · II Basic Humanities I · II Basic Social Science I · II Basic Seminar I · II	English Communication III · IV German III · IV French III · IV Chinese III · IV Science of Physical Education III · IV Area Studies(Europe & America) I · II Area Studies(Asia) I · II	Literature Psychology Japanese Constitution International Relations International Economics Practical English I · II	

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Specialized Education Department of Environmental Science and Technology

■ – Compulsory Subjects ■ – Compulsory Elective Subjects ■ – Elective Subjects ■ – Free Elective Subjects

Classes		1st Year	2nd Year	3rd Year	4th Year
Specialized Education	Basic Science and Technology Subjects	Calculus I · II Physics I · II Experiments in Physics I · II Experiments in Earth Science I · II Experiments in Earth Science I · II Introduction of Science and Technology Mathematics Review Course I · II Chemistry Review Course I · II Linear Algebra I · II Physics Exercise Chemistry I · II Earth Science I · II Biology Computer Literacy Physics Review Course I · II English Review Course I · II	Experiments in Biology Ethics for Engineers		
	Natural Environment		Atmospheric Science Aquatic Environmental Science Environmental Science of the Ground Environmental History in Geologic Record	Environmental Meteorology Environmental Remote Sensing Hydraulics Environment Design in River, Coast and Port Water Treatment Engineering Environmental Ecology Neotectonics Soil and Groundwater Contamination	

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Classes		1st Year	2nd Year	3rd Year	4th Year
Specialized Education	City and Living Environment	Environmental Engineering	Space and Landscape Design Designing and Drawing of Housing Environment I Designing and Drawing of Housing Environment II Urban Environmental Planning	Philosophy of Human Environment Engineering of Building Facilities Transportation Environmental Engineering Designing and Drawing of Urban Environment Structural Design I · II	Recycle of Materials Construction Methods
	Common	Introduction of Environmental Science and Technology I · II Human Activity Analysis Environmental Engineering Materials Theory of Environmental Art and Design Basic Designing and Drawing of Human Environment	Applied Mathematics Probability and Statistics Information Processing I · II Environmental Measurement Technology Environmental and Analytical Chemistry Strength of Materials Structural Mechanics I Fluid Dynamics Thermal and Optical Environment Theory Vibration and Noise Basics of Ecology Experiments in Local Environmental Study I · II Environmental Ethics	Communication Skills Surveying Structural Mechanics II Exercise in Surveying Experiments in Environmental Science and Technology I · II Internship Seminar	Environmental Impact Assessment Environmental Law Construction Low Graduation Research or Works