

NATIONAL SUN YAT-SEN UNIVERSITY
Institute of Environmental Engineering
Scheme of Curriculum for Doctor Level

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Prerequisite Courses
Environmental Chemistry (0)
Environmental Fluid Mechanics (0)
Physical Chemical Treatments (0)
Biological Treatment (0)
Reaction Kinetics (0)
(Must Choose 2 Courses)

Requirement
Seminar 1~6 (1)

Water Pollution Prevention
Advanced Water Treatment Processes (3)
Advanced Water Chemistry (3)
Process Design for Wastewater Treatment (3)

Air Pollution Prevention
Aerosol Technology (3)
Atmospheric Pollution Chemistry (3)
Special Topics in Air Quality Management (3)
Meteorology (3)

Waste Management
Hazardous Waste Management and Treatment (3)

Soil and Ground Water
Groundwater Hydrology (3)
Contaminated Soil and Groundwater Remediation (3)

Sustainability and Green Process
Renewable Energy Technology (3)
Nanotechnology and Environment (3)
Energy Management and Pollutant Control (3)
Environmental Fate and Risk Assessment (3)

Other Courses/Subjects
Technical Writing in English (2)
Independent Studies (3)