

NATIONAL SUN YAT-SEN UNIVERSITY
Institute of Environmental Engineering
Graduation Requirements for Doctor Level

1. Prerequisite Courses (Master Level) (Must Choose 2 from 4 Courses)	Environmental Chemistry (0); Environmental Fluid Mechanics (0) Physical Chemical Treatments (0); Biological Treatment(0); Reaction Kinetics(0)
2. Requirement	Seminar (1)
3. Elective courses	
Water Pollution Prevention	Advanced Water Treatment Processes*; Advanced Water Chemistry*; Process Design for Wastewater Treatment
Air Pollution Prevention	Aerosol Technology; Special Topics in Air Quality Management; Meteorology*; Atmospheric Pollution Chemistry
Waste Management	Hazardous Waste Management and Treatment*
Soil and Ground Water	Contaminated Soil and Groundwater Remediation*; Groundwater Hydrology*
Sustainability and Green Process	Renewable Energy Technology; Nanotechnology and Environment; Energy Management and Pollutant Control; Environmental Fate and Risk Assessment
4. Other Courses/Subjects	Technical Writing in English*(2); Independent Studies*

- p.s. : 1. The number in the bracket behind the name of a course denotes the credit provided by the course. All the courses without being marked are provided with three credits. The courses with a star (*) are provided during the weekend or at night.
2. The courses actually given in each semester are subject to the “Courses and Class Times Table” announced by the National Sun Yat-sen University.
3. The seminar is provided with one credit in each semester. Every student is required to register for the seminar in six semesters at least, except those who meet and are approved to graduate within a minimum three-year of study.