PH.D. IN ENVIRONMENTAL SCIENCE AND ENGINEERING

Program Name: International Ph.D. Program in Environmental Science and Engineering

School of Environment, Beijing Normal University

Introduction

The International Ph.D. program in Environmental Science and Engineering at Beijing Normal university is a program intended to cultivate senior professional talents with the following qualities: high level of personal and academic morals; broad and solid fundamental knowledge and systematic, in-depth expertise in multiple research areas; familiar with the latest technologies and methods concerning environmental science research, environmental engineering technologies, and R&D; familiar with international and domestic standards as well as the history, current conditions, and trends of multiple research areas at home and abroad; academic and professional communication skills; able to conduct independent scientific research work or practical work and to share their findings with the environmental science & engineering community; qualify for academic research and teaching work in their respective fields and relevant disciplines after graduation.



PhD Directions and Corresponding Main Research

Major Directions	Main research topics
Environment Science	Basin water ecological process and health; urban ecological simulation and management; regional ecological protection and recovery; environment evaluation, planning, and management; basin water environment process and management; environment pollution chemistry; soil pollution diagnosis and remediation; environmental hydrology geochemistry; interaction between microorganism, water, and rocks; groundwater environment safety and emergency management.
Environment Engineering	Water environment restoration technology and engineering; low-carbon water quality control technology; sewage treatment and energy recovery; regional air pollution control; soil pollution control and remediation; solid waste treatment and resource recovery; groundwater pollution control and remediation.

Required Qualifications of Applicants

(1) Applicants must be non-Chinese citizens with valid passports.

(2) Applicants for the doctoral program should have a Master's Degree or equivalent to a Master's Degree or above.

(3) Applicants should be in good health and character (meet the physical examination requirements stipulated by the country and BNU), be well-behaved, and be willing to abide by China's laws and regulations, as well as BNU's rules.

(4) Language skills requirements:

a. Complete a master's degree in an English-taught program. Or

b. Language proficiency exam, including TOEFL iBT (minimum 90 in the total score) or IELTS Academic (minimum overall band 6.5 score).

Duration & Tuition

Study Duration: 3 years

Tuition Fee: RMB 98,000 (for 3 years)

Application Deadline

Please refer to the latest notice issued by BNU Admission Office every year. Scholarship applications are subject to the deadline set by the respective funding agencies and organizations.

Degree and Graduation Requirements

This program awards the Doctor of Science. Students can refer to the training plan to know more about the graduation requirements prior to their admission.

Course List

Course name in English	Credit	Semester
Basic Chinese	2	Autumn
Basic Chinese II	2	Spring
Introduction to China's Environmental & Ecological Issues	2	Autumn
Advanced System Ecology	3	Autumn
Ecological Modeling	2	Autumn
Environmental Statistics	2	Autumn
Strategic Environmental Assessment	2	Autumn
Industrial Ecology	2	Autumn
Environmental Toxicology	2	Autumn
Application of Environmental Science and Engineering Statistics: Application of R Language	1	Autumn
Environmental and Ecological Decision-Making	2	Autumn
Landscape Ecology	2	Autumn
Water Quality Model and Simulation	2	Autumn
Atmospheric Environmental Chemistry	2	Autumn
Principle and Application of Environmental Biological Technology	2	Autumn
Frontier in Water Quality Science and Process Engineering	2	Autumn
Special English of Environmental Science	2	Spring
Ecological Protection and Restoration	3	Spring
Eco-hydraulics (main campus and Zhuhai campus)	2	Spring
Ecosystem Assessment and Management	2	Spring
Natural Resource Economics	2	Spring
Climate Change Economics	2	Spring
Advanced Environmental Fluid Mechanics	2	Spring
Special English of Environmental Engineering	2	Spring
Principles and Applications of Membrane-based Separation	2	Spring

CONTACT INFORMATION

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