

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

PhD Direction	Main Research
Environmental Science	Basin water ecological process and health; urban ecological simulation and management; regional ecological protection and recovery; environment evaluation, planning, and management; water basin environment process and management; environmental pollution chemistry; soil pollution diagnosis and remediation; environmental hydrology geochemistry; interaction between microorganisms, water, and rocks; groundwater environment safety and emergency management.
Environmental Engineering	Water quality control engineering; atmospheric pollution control; solid waste handling and reutilization; soil and groundwater pollution control and remediation; groundwater monitoring and water quality safety evaluation; integrated simulation and forecast of groundwater system.

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:
Native English speakers; For non-native- English speakers, ONE of the following conditions shall be met.
 - a. Complete a master's degree in an English-taught program.

Or

b. Language proficiency exam, including TOEFL (minimum 80 in the total score) or IELTS (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.

Courses

Curriculum	Credits	Semester
Basic Chinese	2	Autumn
Introduction to China's Environmental & Ecological Issues	2	Autumn
Ecological Modelling	2	Autumn
Environmental Statistics	2	Autumn
Strategic Environmental Assessment	2	Autumn
Advanced Systems Ecology	3	Autumn
Industrial Ecology	2	Autumn
Environmental Toxicology	2	Autumn
Statistics for Environmental Engineers and Scientists using R	1	Autumn
Environmental Decision-Making	2	Autumn
Landscape Ecology	2	Autumn
Water Quality Model and Simulation	2	Autumn
Special English of Environmental Science	2	Spring
Restoration Ecology and International Conservation	3	Spring
Eco-Hydraulics	2	Spring
Ecosystem Assessment and Management	2	Spring
Modelling of Aquatic Ecosystems	2	Spring
Natural Resource Economics	2	Spring
The Economics of Climate Change	2	Spring
Atmospheric Environmental Chemistry	2	Autumn
Principle and Application of Environmental Biological Technology	2	Autumn
Leading Edge in Water Quality Science and Process Engineering	2	Autumn
Water Quality Model and Simulation	2	Autumn
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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