

## **MASTER IN ENVIRONMENTAL SCIENCE**

### **Program Name: Ecological Environment Protection and Management**

*School of Environment*

#### **INTRODUCTION**

In response to the rapid economic development in recent years, China is committed not only to solve the ecological and environmental problems that have occurred, but also, through ecological planning and management measures, to avoid the ecological environmental risks that may occur. In pursuit of a balance among ecological environmental protection, economic development, and social harmony, China has accumulated extensive experience in environmental protection that could be applied to other developing countries, and it has developed a series of key technologies of ecological restoration and pollution control that are at the international forefront as well. Ecological environmental protection and management, which have become increasingly important for prospective development professionals to study, are of great significance in promoting global sustainable development.

The international master program in Ecological Environment Protection and Management offered by the School of Environment, Beijing Normal University, is designed for outstanding students in environmental science and related disciplines. It aims to develop students' abilities to analyze and explore existing and developing issues in ecological and environmental studies provided with high quality curriculum system and opportunities for research practice and field study by support of school.

This program aims to provide students with theoretical and systematic specialized knowledge as well as practical skills in the field of environmental science. In addition, a key goal of the program is to inspire students to apply professional theory and technology to solve the practical environmental problems of China and other developing countries by contextualizing and analyzing practical cases of ecological environmental protection and development status.

Additionally, School of Environment also provides Ph.D. program for international students.

#### **ENTRY REQUIREMENT**

TOEFL or IELTS score required for international students whose first language is not English. A minimum score of 550 points /80 points is required for TOEFL and a minimum score of 6.0 is required for IELTS. Applicants who have received an original degree from an English-medium program in previous institutions can be exempted from test requirements.

#### **DURATION & TUITION**

- Study duration: 2 years
- Tuition fee: RMB 60,000 (for 2 years)

## CREDITS & COURSES

**Credits:** 28 credits in total, including 12 credits for compulsory curriculums, 2 credits for practice activity, 2 credits for research activity and 6 credits for degree dissertation. The other 6 credits are for optional curriculums.

### Courses:

Semester	Curriculum	Type	Credits
I	Introduction to China (Ecological Environment in China)	core	2
	Industrial Ecology	core	2
	Basic Chinese	elective	2
	Landscape Ecology	elective	2
	Ecological Modeling	elective	2
	Environmental Biotechnology: principles and applications	elective	2
	Atmospheric Environmental Chemistry	elective	2
	Leading Edge in Water Quality Science and Process Engineering	elective	2
	Water Quality Model and Simulation	elective	2
	Strategic Environmental Assessment	core	2
	Environmental Statistics	elective	2
	Environmental Toxicology	elective	2
	Energy Economics	elective	1
II	Special English of Environmental Engineering	elective	2
	Special English of Environmental Science	elective	2
	Remote Sensing of Environment	elective	2
	Principles and Applications of Membrane-based Separation	elective	2
	Restoration Ecology and International Conservation	elective	3
	Eco-hydraulics	elective	2
	Ecosystem Assessment and Management	elective	2
	Modelling of Aquatic Ecosystems	elective	2

	Natural Resource Economics	core	2
	Advanced Environmental Fluid Mechanics	elective	2
III	Dissertation Proposal-complete in September	core	0
	Practice-Minimum 60 days with 6,000 words report	core	2
	Research activities	core	2
IV	Master's Thesis-20,000-50,000 words with 1000-3000 words summary in Chinese	core	6
Minimum Credits for the Program			28

\*Curriculum schedule is subject to change. Students can take but are not limited to the curriculums above.

### **CONTACT INFORMATION**

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