



深圳北理莫斯科大學

УНИВЕРСИТЕТ МГУ-ППИ В ШЭНЬЧЖЭНЕ
SHENZHEN MSU-BIT UNIVERSITY

Master's Program in Marine Biodiversity and Bioresources

Program Overview

The Master's Program in Marine Biodiversity and Bioresources is an academically rigorous course designed to train professionals in the evolving fields of marine biology, ecology, nature conservation, and bioresource management. The program's primary objective is to produce highly skilled professionals capable of making significant contributions to the fields of research, conservation, and sustainable management of marine biodiversity and bioresources. This program is tailored for individuals who are motivated to develop specialized skills and gain knowledge in the latest developments of marine biology, ecology, and the management of natural bioresources. It offers considerable opportunities for scientific research and promotes international collaboration.

Details of the Master's Program

The program is conducted in English and spans a period of two years. It encompasses a comprehensive curriculum of 120 credits, with students required to earn 60 credits annually, or 30 credits per semester. The first year is composed of compulsory courses that cover various methods and theoretical foundations in marine biology and biodiversity. In their second year, students have the option to select from a range of elective courses and are required to complete an independent master's thesis. The program also provides an opportunity for a six-month internship at Lomonosov Moscow State University.

Employment Prospects and Further Education

Upon completion, graduates are well-equipped to embark on careers in scientific research centers, environmental agencies, and biotechnological companies. The program serves as a gateway to further educational and professional development, including the possibility of pursuing postgraduate studies at Lomonosov Moscow State University. Graduates are ideally positioned to excel in academic, governmental, and private sectors, contributing notably to the conservation of biodiversity and the sustainable utilization of marine bioresources.

Admission Requirements

Candidates are required to hold a bachelor's degree in applied or natural sciences. The program prioritizes applicants with a background in general biology, ecology, nature conservation, rational use of natural resources, oceanography, bioinformatics, or molecular biology. Proficiency in English is mandatory, with a required proficiency level equivalent to B2 on the CEFR, scores between 5.5 and 6.5 on the IELTS, or between 87 and 109 on the TOEFL iBT. Admission is contingent upon passing an entrance examination.

Scholarship Programs

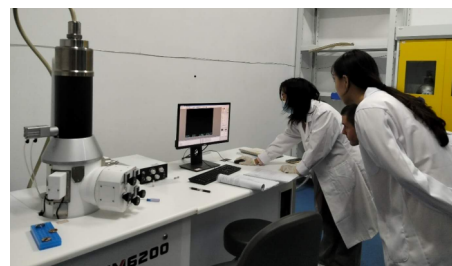
Students are eligible to apply for various city and regional scholarships. Notably, MSU-BIT offers a scholarship program aimed at supporting international students.

Educational Program and Faculty

The program is supervised by Professor Andrey Adrianov, an esteemed Academician of the Russian Academy of Sciences.

The program's management is headed by Viacheslav Ivanenko, a leading scientist of MSU and professor at MSU-BIT (contact: IvanenkoVN@my.msu.ru).

The faculty comprises academicians from the Russian Academy of Sciences, along with experienced professors and lecturers, each an authority in their specific field. They are committed to providing a high-caliber education and the practical skills necessary for the successful completion of the master's program.



1st ACADEMIC YEAR

Compulsory courses			
Module	Course	Credits	Semester
Basics in Biology	Modern Problems in Biology	3	1 st semester
	Biogeography	3	1 st semester
	Bioinformatics and Computer Technology	3	2 nd semester
Marine Biology	Biodiversity of the World Ocean	5	1 st and 2 nd semesters
	Introduction to Oceanography	3	1 st semester
	Genomic and Biochemical Studies of Marine Organisms	2	2 nd semester
	Biological Safety and Diseases of Marine Organisms	2	2 nd semester
Methods and Methodology	Foreign Language	4	1 st and 2 nd semesters
	Philosophy	2	2 nd semester
	Bioethics	2	2 nd semester
	Applied Biology	7	1 st and 2 nd semesters
	History and Methodology of Biology	2	2 nd semester
Internship and Research	Contemporary Methods in Marine Organism Research	5	1 st semester
	Internship	17	1 st and 2 nd semesters

2nd ACADEMIC YEAR

Compulsory courses			
Module	Course	Credits	Semester
Methods and Methodology	Applied Biology	3	3 rd semester
	Principles of Scientific Writing	2	3 rd semester
	Conservation and Management of Marine Diversity and Bioresources	2	3 rd semester
Research	Research	10	3 rd and 4 th semesters
	Research Seminar	2	3 rd semester
Optional courses (Electives)			
Marine Biodiversity and Bioresources	Biologically Active Compounds from Marine Organisms	2	3 rd semester
	Marine meiofauna	4	3 rd semester
	Parasites and Diseases of Cultivated Marine Organisms	4	3 rd semester
	Tropical Coastal Ecosystems: Coral Reefs and Mangroves	4	3 rd semester
	Recreational Potential of Coastal Marine Ecosystems	4	3 rd semester
	Biomaterials Science	2	3 rd semester
	Selected Chapters in Marine Biology	4	3 rd semester
	Dangerous Marine Organisms	4	3 rd semester
	Modern Methods of Biological Data Analysis	4	3 rd semester
	Deep-sea Biological Resources	4	3 rd semester
	Diseases of Commercial Aquatic Organisms	4	3 rd semester



Контакты:



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