

Marine Science

PhD Program

Course type	Name	Credits	Hours
Public degree course	Chinese (Doctoral)	5	80
	Overview for China	3	48
Professional degree course	Biological Oceanography III	2	32
	Advanced Chemical Oceanography II	2	32
	Advanced Physical Oceanography	2	32
	Comprehensive Utilization of Marine Brine Resources	1	16
	Comprehensive Utilization of Marine Biological Resources	1	16
	Advanced Marine Technology	1	16
	Modern Ocean Observation Technology	1	16
	Introduction to Ocean Big Data and Digital Ocean	1	16
Professional elective course	Ocean Remote Sensing and Multiscale Environmental Variation	1	16
	Frontiers of Marine Science	1	16
	Introduction to Earth System Science	1	16
	Ocean Circulation and Air-sea Interaction	1	16
	Modeling of Marine Ecosystem Dynamics	1	16
	Advanced Marine Ecology	1	16
	Coastal Zone Hydrogeology	1	16
	Marine Biological Functional Genomics	1	16
	Phase Equilibria of Aqueous Electrolyte Solutions	1	16
Compulsory course	Teaching and Engineering Practices	1	-
	Academic Lectures	1	-

Marine Science

Master Program

Course type	Name	Credits	Hours
Public degree course	Chinese	4	64
	Overview for China	3	48
Professional degree course	Introduction to Dynamical Oceanography	2	32
	Biological Oceanography	2	32
	Advanced Chemical Oceanography	2	32
	Modern Analytical and Testing Experiment Technology	2	32
Professional elective course	Applied Phycology	2	32
	Numerical Modeling of Marine Environmental Dynamics	2	32
	Ocean Data Analysis and Statistics	1.5	24
	Advanced Marine Biogeochemistry	1.5	24
	Advanced Marine Biochemistry	1.5	24
	Marine Bioinformatics	1.5	24
	Brine Ecology and Resource Utilization	1.5	24
	Remote Sensing Technology and Applications	1.5	24
	Marine Science and Technology Dissertation Writing	1.5	24
	Marine Biological Resources and Utilization	1.5	24
	Frontiers in Marine Science	1.5	24
Compulsory course	Teaching and Engineering Practices	1	-
	Academic Lectures	1	-
Basic theory course	Mathematical Statistics	4	64

Environmental Science & Engineering

Master Program

Course type	Name	Credits	Hours
Public degree course	Chinese	4	64
	Overview for China	3	48
Professional degree course	Theory and Technology of Light Chemical Wastewater Pollution Control	2	32
	Modern Environmental Monitoring Technology	2	32
	Theory and New Technology of Air Pollution Control	2	32
	Principles and Techniques of Environmental Remediation	2	32
Professional elective course	Solid Waste Treatment and Resource Utilization Technology	2	32
	Groundwater Pollution and Remediation	2	32
	Environmental Pollution Chemistry	1.5	24
	Soil Pollution and Prevention	1.5	24
	Environmental Microbial Technology	1.5	24
	Environmental Toxicology	1.5	24
	Frontiers in Environmental Science and Engineering	1.5	24
Compulsory course	Teaching and Engineering Practices	1	-
	Academic Lectures	1	-
Basic theory course	Mathematical Statistics	4	64