

Master Program Ecology and environmental management

Study Program: Environmental Safety

Years of Studies: 2

Language of Training: Russian

№	Subject	Semester	Hours	Credits
Block 1 Disciplines (modules)				
M.1.1	Base disciplines			
M.1.1.1	Philosophical Problems of Natural Science	1	72	2
M.1.1.2	Spoken Foreign Language	1	72	2
M.1.1.3	Modern GIS Technologies for Environmental Safety	1	72	2
M.1.1.4	Relevant Issues of Ensuring Environmental Safety in the Russian Federation	1	72	2
M.1.1.5	Environmental Safety Management: The Global Level	1	72	2
M.1.1.6	Theoretical Aspects of Environmental Safety	1	108	3
	BASE DISCIPLINES TOTAL		468	13
M.1.2	Variable disciplines			
M.1.2.1	Research Methodology	1	72	2
M.1.2.2	System Analysis and Modeling in the Field of Environmental Safety	2	72	2
M.1.2.3	Experimental Design in Environmental Studies	1	108	3
M.1.2.4	Features of Contemporary Translation of Environmental Information	3	72	2
M.1.2.5	Environmental Safety Models and Forecast	3	72	2
M.1.2.6	Environmental Safety of Public Health	2	72	2
M.1.2.7	Sustainable Territorial Environmental Development	2	108	3
M.1.2.8	Organization of Environmental Safety System Fundamentals of state policy in the field of environmental safety	2	108	3
M.1.2.9	Examination of Environmental Safety in Nature Management	3	108	3
M.1.2.10	Fundamentals of State Policy in the Field of Environmental Safety	2	72	2
M.1.2.11	Assessment of the State, Sustainability and Forecast of the Development of Natural Complexes	2	72	2
M.1.2.12	Environmental Diagnostics	3	108	3
M.1.2.13	Protection of the Population and Territory in Emergency Situations	3	72	2
M.1.2.14	Fundamentals of Entrepreneurship	3	72	2

№	Subject	Semester	Hours	Credits
M.1.3	Disciplines of choice			
M.1.3.1.1	Foreign language for academic purposes	2	72	2
M.1.3.1.2	Translation of Technical Information	/2	/72	/2
M.1.3.2.1	Psychology of personnel management in the field of environmental safety	1	72	2
M.1.3.2.2	Psychology of Professional Activity	/1	/72	/2
M.1.3.3.1	Environmental Safety Mechanisms	3	72	2
M.1.3.3.2	Economics of Environmental Management	/3	/72	/2
M.1.3.4.1	Environmental Safety Systems	3	72	2
M.1.3.4.2	Design of typical environmental measures	/3	/72	/2
M.1.3.5.1	Environmental Impact Assessment by Industry	2	72	2
M.1.3.5.2	Scientific Approaches to the Development of Environmental Standards	/2	/72	/2
M.1.3.6.1	Applied Ecobiotechnology	3	72	2
M.1.3.6.2	Restoration of Disturbed Territories	/3	/72	/2
M.1.3.7.1	Regional Policy for Environmental Safety	3	72	2
M.1.3.7.2	Global and Regional Environmental Management Systems	/3	/72	/2
	TOTAL FOR VARIABLE DISCIPLINES		1692	47
	TOTAL FOR BLOCK 1		2160	60
Block 2 Practical Training, including Research Work (R&D)				
M.2	Practical Training and Research Work (optional part)		1080	30
M.2.1	Scientific Training *	2	216	6
M.2.2	Practical Training (pedagogical) *	4	108	3
M.2.3	Practical Training *	4	216	6
M.2.4	Graduation Project Preparation	4	216	6
M.2.5	Research Work	/1-4	/1188	/33
M.2.5	Research Work	1	288	8
M.2.5	Research Work	2	288	8
M.2.5	Research Work	3	288	8
M.2.5	Research Work	4	324	9
Block 3 Final Certification by the State				
M.3	Final Certification by the State (base disciplines)		216	6
	TOTAL IN DIRECTION		4320	120
F.	Optional Disciplines			
F.1	Enterprise-based Organization and Implementation of Industrial Environmental Control	2	72	2
F.2	Best Available Technology for Environmental Safety	3	72	2