

Name of the Educational Institution	LEPL "Batumi Shota Rustaveli State University" Address: №35 Ninoshvili Str. Batumi 6010 Tel/Fax: (0422) 27 17 87 E-mail: info@bsu.edu.ge
Title of the Educational Program	Ecology Educational program (Master) of the second cycle of academic higher education
Qualification conferred	Master of Ecology
Program Volume in Credits	120 ECTS credits: General courses 30 ECTS, specialization compulsory courses 50 ECTS, Master's thesis 30 ECTS. Free elective courses - 10 ECTS
Aim of the Educational Program	To prepare Masters of Ecology in the field of applied ecology and environmental protection who will have a thorough and systematic knowledge of the negative effects of natural disasters, global warming and anthropogenic impacts on the environment. Modern state of nature and environmental protection, forecasting and analysis of the impacts of adverse factors on the sustainable development of the environment. Identification of causes of change, ecological risk assessment and searching for the ways of prevention. Develop skills of practical activities.
Learning Outcomes	Graduate employment areas are: scientific-research institutes, research and certification laboratories, local (municipalities) and regional divisions of the environment and natural resources, agriculture sector, environmental governmental and non-governmental organizations, ecological parks, nature reserves, botanical gardens, protected areas, different types of monitoring services, environmental inspections. Specialization - Applied Ecology - will acquire a wide range of knowledge on the paths of penetration and the toxicity in the living organisms of the main pollutants of the environment, household and industrial waste management technologies. On radiation impact over demographic processes, demographic processes and related urbanization, food and energy problems on living organisms. After practical / laboratory studies and practices, the skills of using ecological experiments, selection of research methods, and objective assessment of risks expected during ecological research, laboratory techniques and equipment. Will be able to conduct critical analysis, evaluation and make conclusions of research results. Evaluate anthropogenic impact on the environment and make adequate conclusions. Specialization – Environmental Protection Will acquire a wide range of knowledge on environmental and nature management, modern trends, problems, global climate change impacts on ecosystems, about the physical and chemical processes of the pollutants operating in the environment; about the biodiversity on specific and eco-systemic levels. After practical/laboratorial classes and field and industrial practice, will develop the skills of planning, analysis, and critical evaluation of a research work. The ability to plan strategic ways of conservation of ecosystems using the latest methods and approaches. Will be able to analyze the importance of the diversity of living organisms and make relevant conclusions about the regularity of the evolutionary processes in the environment. Prediction and assessment of expected negative results of anthropogenic impact on natural landscapes.
Assessment	The final assessment is defined as follows: A – Excellent 91-100 points; B – Very Good 81-90 points; C – Good 71-80 points; D– Satisfactory 61-70 points; E – Sufficient 51-60 points; FX – could not pass 41-50 points. Student has the right to take the additional

	exam once more; F – Fail 0-40 points. Student has to take the course again.
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