



# PASSPORT OF THE EDUCATIONAL PROGRAM

## • 7M05201- Ecology

### THE PURPOSE OF THE EDUCATIONAL PROGRAM

Preparation of masters of higher qualification in the field of ecology and environmental protection, based on a combination of fundamental and practical training in general, theoretical and applied ecology with their inclusion in the production environment and research work.

### FIELD OF PROFESSIONAL ACTIVITY

Project, research, production, training, expert departments, departments, firms, institutes engaged in nature protection; services for hydrometeorology and environmental monitoring, environmental safety, environmental policy, environmental services of industries and local governments, sewage treatment plant services, bodies of the system of protected natural territories of various levels; environmental protection units of industrial enterprises; research organizations; educational organizations.

# LEARNING RESULTS (LR)

LR1-understands the high social significance of the profession, adheres to the principles of professional ethics, applies in professional activities knowledge of ecology, control and measurement tools, trends in the development of the environmental system (ecology) and regulatory legal acts, environmental standards and expertise, GOST and technical specifications;

LR2-evaluates the activities of all subjects of the environmental process, is able to predict environmental processes and implement them in practice, to model the environmental process with a target setting for the final goal;

LR3-summarizes and analyzes the theoretical and applied aspects of the functioning of natural science institutes, has a comprehensive set of tools for expert-analytical and professional activities;

LR4-provides a scientific and environmental interpretation of environmental trends, taking into account changes in the regulatory framework, international practice, and the influence of internal factors;

LR5-applies systematized theoretical and practical knowledge of the humanities, social and economic sciences in solving social and natural-anthropogenic problems;

LR6-uses various information and communication technologies for the search, storage, processing, protection and dissemination of information in research and project activities, complies with the basic requirements of information security, including the protection of state secrets;

LR7-organizes professional activities in a multicultural environment, taking into account ethnic and religious differences and the peculiarities of the socio-cultural structure of society;

LR8-participates in interdisciplinary and interdepartmental interaction in solving professional tasks, demonstrates skills for training and mobility to develop the competencies necessary to adapt to the changing labor market