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| Educational program | 7M05202 Еnvironmental management and environmental safety |
| EP purpose | Training of highly qualified, competitive ecologists of the new generation, who are able to set and simultaneously solve current theoretical and practical problems at the regional and international level in the field of environmental safety and environmental management |
| EP type | Innovative |
| Level on NQF | 7 |
| Level on SQF | 7 |
| The awarded academic degree | Master |
| Period of study | 2 |
| Volume of the credits | 120 |
| Language of education | Kazakh, Russian, English |
| Date of approval of the OP at the Board meeting | 11.04.2023 |
| Professional standard | Professional standard: Teacher (faculty) of higher and (or) postgraduate education organizations 20.11.2023, Geoecological research (Geoecologist) 22.08.2023 |

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| № | Learning outcomes: |
| 1 | implement, analyze and evaluate the selection of effective measures and ways to protect the environment; design measures to protect the environment; |
| 2 | plan and organize in practice research and production activities in the field of environmental protection; evaluate the problems, tasks and methods of scientific research; |
| 3 | use GIS and statistical methods in solving problems of ecology and nature management; |
| 4 | to carry out effective team work for the organization of activities in the management of natural resources; |
| 5 | Monitor compliance with technological regimes of environmental facilities and develop measures to ensure the protection of biodiversity at the species level; |
| 6 | to analyze modern methods and approaches in the study of environmental problems; to assess the current problems of natural ecosystems (forest and steppe communities) and to create a favorable natural environment in cities. |
| 7 | be able to organize and carry out pedagogical activities, formulate and implement pedagogical goals and objectives; use philosophical knowledge for a more complete and methodical understanding of independently obtained scientific results; |
| 8 | аpply modern communication technologies in the search and use of the necessary information for academic and professional communication. |
| 9 | classify the problems of conservation of biological diversity and conduct scientific environmental projects; |
| 10 | carry out monitoring and calculations of maximum pollution standards for the atmosphere, hydrosphere and lithosphere; to assess the adverse effects and the extent of their impact on the components of the environment; |