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| Educational program | 7М05201 Ecology |
| EP purpose | training of highly qualified personnel-ecologists of a new formation, adapted to labor requirements and new technologies, able to solve scientific and applied problems in the field of environmental protection. |
| EP type | Acting |
| Level on NQF | 7 |
| Level on SQF | 7 |
| The awarded academic degree | Master |
| Period of study | 1 |
| Volume of the credits | 60 |
| Language of education | Kazakh, Russian, English |
| Date of approval of the OP at the Board meeting | 10.04.2024 |
| Professional standard | Geoecological research (Geoecologist) 22.08.2023 |

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| № | Learning outcomes: |
| 1 | be able to logically correctly, argumentatively and clearly build oral and written speech for practical use in professional and scientific activities; |
| 2 | to carry out effective teamwork for the organization of activities in environmental management; |
| 3 | plan and organize scientific research and scientific production work in the field of environmental protection to assess environmental problems. |
| 4 | to use experimental and statistical methods, information technologies in the study of environmental problems; |
| 5 | conduct environmental expertise and efficiency analysis for the development of economic activity projects |
| 6 | design measures for the rational use of natural resources based on the analysis of problems and ways to protect the environment |
| 7 | develop modern methods and technologies for waste processing; assess current problems in the storage and disposal of hazardous substances from industrial waste, wastewater and atmospheric emissions. |
| 8 | evaluate the results of research in ecology for use in research and production activities. |