**Graduate model for the educational program «8D08607 – Melioration and irrigated agriculture»**

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|  | **Doctorate** |
| **Be able to:** | Organize, plan and implement the process of scientific research; analyze, evaluate and compare various theoretical concepts in the field of study and draw conclusions; analyze and process information from various sources; conduct independent scientific research, characterized by academic integrity, based on modern theories and methods of analysis; generate their own new scientific ideas. |
| **Know and understand:** | Modern trends, directions and patterns of development of domestic science in the context of globalization and internationalization;  methodology of scientific knowledge;  achievements of world and Kazakhstani science in the relevant field;  (realize and accept) the social responsibility of science and education;  perfect foreign language for scientific communication and international cooperation; |
| Be competent in: | in the field of scientific and scientific-pedagogical activity in the context of rapid updating and growth of information flows;  in conducting theoretical and experimental scientific research;  in the formulation and solution of theoretical and applied problems in scientific research.  in matters of rational management of land and water resources, in matters of the use of land and water resources in economic sectors;  in the implementation of theoretical and scientific research in the field of nature protection to ensure sustainable development;  in matters of monitoring, assessment, forecasts and calculations of damages from harmful effects of water;  in the implementation of a qualified analysis of problems in the field of land and water resources management;  in issues related to the implementation of scientific projects and research in the professional field, sustainable water use and environmental management. |