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Registration data

Application type	Updating of EP in the Registry	Status	Approved
Date of getting the status	12.09.2025 17:33	Sent to rework by the expert (count)	0
Sender	6772	Registration number	6B01500265

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Higher and Postgraduate Educational Programs

☐ Project EP ☐ Participant of project EP

Field of education *

6B01 Pedagogical sciences

☐ Interdisciplinary EP

Direction of personnel training *

6B015 Training of teachers in Natural science subjects

Group of educational programs *

B014 Teacher training in geography

Educational program *

6B01509 Geography

Curriculum *

География (бакалавриат)

Kazakh language

Russian language

English language

EP purpose *

Preparation of highly qualified, competitive pedagogical personnel on geography able to solve socially significant education on the creative and high professional, modern scientific-practical level

EP type *

Acting EP

Level on NQF *

6

Level on SQF *

6

EP distinctive features

No

Degree to be conferred *

Bachelor

Period of study *

4 ▾

Volume of the credits *

240

Language of education *



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Professional Standard for EP *

Exists

+ Add

Nº	Name of professional standard
1	Professional standards for teachers of educational organizations

Professional standards (career standards)

Professional standard has been used at
developing EP

Date of approval EP on the Academic Council *

15-04-2025



Existence of the annex to the license for the direction of personnel training

The license number on the direction of training *

KZ49LAM00007465

The training format is online

EP accreditation existence

Atlas of new professions *

Қарастырылмаған

Regional standard *

Қарастырылмаған

The formed educational outcomes

Nº	Educational outcome
1	In Kazakh In Russian In English Құқықтық, экономикалық, кәсіпкерлік, өндірістік, экологиялық ортада, сондай-ақ қаржылық сауаттылық, инклюзия құндылықтары, тұрақты даму және сыбайлас жемқорлыққа қарсы
2	In Kazakh In Russian In English ГАЗ технологияларын, географиялық ақпаратты өңдеудің статистикалық, математикалық, картографиялық әдістерін қолдана отырып, жалпы географиялық, далалық зерттеулер жүргізу
3	In Kazakh In Russian In English географиялық пәндер тарауларының жалпы теориялық ережелерін түсіндіру
4	In Kazakh In Russian In English әлеуметтік-экономикалық, физикалық-географиялық және саяси процестердің қазіргі жай-күйіне талдамалық шолу жасау

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ЕДИНАЯ ПЛАТФОРМА
ВЫСШЕГО ОБРАЗОВАНИЯ

English

5	In KazakhIn RussianIn English географияны оқыту принциптерін, әдістері мен технологияларын ескере отырып, қысқа мерзімді және орта мерзімді жоспарларды әзірлеу
6	In KazakhIn RussianIn English географиялық экспериментін ұйымдастыру, қоюға, талдауға, жалпылау және нәтижелерін бағалауға негіз болатын жер бедерінің пішіндерін анықтау, тау жыныстары мен минералдарды
7	In KazakhIn RussianIn English академиялық адалдық қағидаларын сақтай отырып, зерттеу нәтижелерін әзірлеу және енгізу үшін географиялық зерттеулер мен академиялық жазу әдістерін қолдану
8	In KazakhIn RussianIn English білім алушылардың физиологиялық және функционалдық ерекшеліктерін, сондай-ақ жеке білім беру қажеттіліктерін ескере отырып, оқу-тәрбие процесін ұйымдастыру
9	In KazakhIn RussianIn English География пәнінен сабақтарды білім мазмұнын жетілдіру контекстінде оқытудың және білім нәтижелерін бағалаудың инновациялық технологияларын қолдана отырып жоспарлау.
10	In KazakhIn RussianIn English экономика кеңістіктік құрылымдарының қалыптасу заңдылықтарын, қоршаған орта мен халықтың өзара әрекетін талдау және бағалау

Data on disciplines

Nº	Name of discipline	Short description of discipline	Cycle	Component	Credits	ON1	CR	ON:
1	Methods of scientific research	The goal is to form knowledge about the principles, technologies, practical methods and techniques of conducting scientific research based on modern achievements of scientists. Forms the basic foundations of scientific culture and ethics, flexible perception of scientific texts, skills of effective application of acquired knowledge in planning and organizing research work, the ability to analyze and summarize research results.	GED	EC	5	☒	Norm	☐



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2	Ilyastanu	The purpose of the discipline is to develop a deep-thinking personality with high aesthetic taste, appreciating literature, art, traditions, culture and language of the Kazakh people through a deep and comprehensive study of the works of Ilyas Zhansugurov. Forms an understanding of the importance of the works of Ilyas Zhansugurov in the development of the Kazakh literary language; skills of intellectual and creative thinking, the ability to cherish the values of national and spiritual heritage	GED	EC	5	☒	High	☐
3	Fundamentals of financial literacy	The course "Fundamentals of Financial Literacy" is aimed at gaining knowledge and skills in the field of personal finance management. Also, as part of the course, students will learn how to use in practice all kinds of tools in the field of finance, save and increase savings, plan a budget competently, learn how to analyze financial information and navigate financial products to choose an adequate investment strategy	GED	EC	5	☒	High	☐
4	Basics of law and anti-corruption culture	The objective is to familiarize students with the fundamental branches and institutions of law, the foundations of anti-corruption culture, as well as the patterns of emergence, development, and functioning of the state and law. The course cultivates anti-corruption awareness and a high level of theoretical knowledge concerning the primary functions of law within the state and society, its impact on the development of the rule of law and civil society, and the value of inclusion as an integral component of a just and equitable legal order. Particular emphasis is placed on fostering students' understanding of the importance of human rights for all individuals, regardless of their social, cultural, physical, or other characteristics.	GED	EC	5	☒	High	☐

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5	Ecology and life safety basics	Purpose – the goal is to develop knowledge of the fundamentals of ecology, sustainable development, and life safety, enabling the analysis of ecological processes, the assessment of the socio-environmental consequences of anthropogenic activities, the assurance of environmental safety, and the application of methods and technologies for protection in emergency situations. Develops the ability to assess the impact of environmental factors on human health; to forecast ecological processes for planning and implementing measures aimed at enhancing life safety and ensuring environmental security; and to make informed decisions in adverse environmental and emergency situations, taking into account the potential consequences of accidents, disasters, and natural hazards within the framework of sustainable development principles.	GED	EC	5	☒	High	☐
6	Economics and entrepreneurship	Objective – to familiarize students with the economic challenges of modern society, develop economic thinking, and provide knowledge of the theoretical foundations and practical skills in the field of entrepreneurship. The program is aimed at forming a comprehensive understanding of the functioning of the economy, while delivering business education focused on acquiring applied competencies in various areas of entrepreneurial activity. Special attention is given to issues of sustainable development, efficient resource use, and the implementation of lean production principles as key elements of effective and environmentally responsible business practices. The course also explores the specifics of creating and successfully managing a business, taking into account modern requirements for environmental and social responsibility in entrepreneurship.	GED	EC	5	☒	High	☐



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7	Academic writing	It is aimed at mastering the theory and practice of academic writing by students, developing competencies in the field of scientific communication necessary for effective communication in the academic environment, writing an academic and scientific text, as well as developing a scientific culture among students, a system of competencies in the field of organizing and conducting scientific research. work, collection of primary data, the use of methods of scientific research and data processing, approbation, registration and implementation of research results into practice.	BD	UC	4	☐		☐
8	Biogeography	Studies the laws of the geographical distribution of biota, its spatio-temporal organization at different levels of biosphere differentiation, the laws of biosphere change, the relationship between environmental conditions and vegetation, the relationship of environmental and historical factors in the differentiation of biota, land biomes and oceans, the problems of preserving biological diversity	BD	UC	5	☐		☐
9	Methods of teaching geography	Reveals the content, organization and methods of teaching in accordance with the age characteristics of students, guided by the goals of a modern school, the tasks of training conscious, comprehensively developed people. Studying the theoretical foundations and practical skills of a geography teacher, contributing to the formation of interest in a future profession, readiness for it, personal and professional qualities of a teacher.	BD	UC	5	☐		☐
10	Geourban studies	Examines a range of issues related to the study of historical and geographical, social, economic and geographical, urban planning and other aspects of the development of cities and their systems. Exposes complex, globalized processes of urbanization; the meaning and content of geographical approaches to the development of a strategy for the development of cities and settlement systems; basics of urban design	BD	UC	4	☐		☐

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11	General geography	Studies of the geographic shell, its boundaries, structure, qualitative originality, the main stages of development, structure and spatial differentiation, geographical patterns of the geographical shell. Considers the peculiarities of the environment and society, the environmental problems of mankind in the era of scientific and technological revolution.	BD	UC	4	☐		☐
12	Inclusive education	Considers the theoretical foundations of the organization of inclusive education, historical aspects of the development of inclusion, inclusive education model. Studies technologies of inclusive education, drawing up an individual educational route, planning of educational process taking into account special educational needs of children, the organization of tutor practice in the conditions of inclusive education	BD	UC	5	☐		☐
13	Cartography with the basics of topography	It studies the subject and structure of cartography, elements of a geographical map, classification of maps, content elements of topographic, survey-topographical and small-scale maps and their image. Considers modern technologies of mapping of territories based on the use of electronic total stations and satellite GPS / Glonass receivers, cartographic geoinformation systems.	BD	UC	6	☐		☒
14	Physical geography of continents and oceans	It studies the patterns of formation of relief, climate, inland waters, zonal patterns of distribution of soil, vegetation and animal life, modern environmental problems associated with human activities of individual continents and oceans	BD	UC	6	☐		☐
15	Physiology of development of the student	Considers the General patterns of age-related features of growth and development of children and adolescents, the formation of their physiological functions. Studies the interaction of the child with the environment, hygiene standards and requirements aimed at the protection and promotion of health, harmonious development and improvement of the functionality of the body of children and adolescents	BD	UC	5	☐		☐



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16	Pedagogic	Considers the latest methods and technologies of teaching in the framework of the updated content of secondary education. Studies methods of scientific analysis, forecasting, planning and management of the pedagogical process. Forms theoretical ideas about pedagogy as a branch of humanitarian knowledge and interaction of subjects of educational process	BD	UC	5	☐		☐
17	Theory and methods of educational work	Considers the methods of organization of educational work and describes the laws, the essence and content of the processes of education, studying the features and principles of education within the updated content of secondary education. It is aimed at forming the interest of the future teacher for further pedagogical self-education and professional self-improvement	BD	UC	5	☐		☐
18	Soil geography	Studies the processes of soil formation as a result of the interaction of the laws of the spatial distribution of various soil types due to changes in geographical conditions, considers the role of the pedosphere as an informative factor in geographical research at various levels, and an anthropogenic effect on the state of soil cover.	BD	UC	3	☐		☐
19	Methods of geoinformation technologies	Geoinformation technologies - teaches the principles, methods of working with geodata, the basics of algorithms for technology collection, systematization, storage, mapping, modeling, distribution and creation of databases. Geoinformation technologies - improve the combination of traditions and methods of classical geography and cartography, the theory of applied mathematics, computer science and computer technology, the application of geography in scientific research	BD	EC	5	☐		☒
20	The basics of using STEAM education in geography teaching	The methodological issues of distance learning and e-learning methods are considered, the peculiarities of the organization of the educational process using distance educational technologies, taking into account the achievements of science, modern educational practice and advanced pedagogical experience	BD	EC	5	☐		☐



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21	Geodesy basics	Forms ideas about the importance of geodesy and cartography in territorial planning; introduces modern technologies used in geodetic instruments, determines the position of points on the earth's surface, geographic and rectangular coordinates, point heights, modern technologies for mapping territories	BD	EC	5	☐		☐
22	Geotechnological foundations of geosystems modeling	This course forms knowledge about the processes of creation, image and modeling of natural and natural-anthropogenic geosystems of various nature, the object of geographical research - structure and degree. It allows performing qualitative modeling of the results of studying spatial and structural information about geosystems, studying ecological and geographical systems using mathematical, physical methods and full-scale modeling	BD	EC	5	☐		☒
23	Geo-economics with the basics of geoglobalistics	Considers the place of geoeconomics in the system of sciences, methods of theoretical and applied geoeconomics, features of globalism as a science, spatial manifestation of general planetary processes and phenomena; reasons for the emergence of global environmental, energy, food, raw materials, demographic and other problems of mankind	BD	EC	5	☐		☐
24	Methods of field and remote sensing studies	Aimed at mastering by students knowledge about the stages and methods of conducting field research of the area; methods of processing the collected data and creating large-scale plans of the territory; methods of remote study of the territory, methods of creating thematic maps based on the interpretation of aerospace imagery	BD	EC	5	☐		☒
25	General Geology	Studies the material composition and structure of the Earth, its inner shells and, mainly, the earth's crust; the main rock-forming minerals and rocks of the earth's crust; techniques for reading geological maps with various types of bedding of rocks and building geological sections.	BD	EC	4	☐		☐
26	General geomorphology	Considers the concepts of metamorphism, its types and types of metamorphic rocks; the possibility of using petrographic data in the practice of geological exploration in forecasting, prospecting, and exploration of mineral deposits, various types of rock occurrence and building geological sections	BD	EC	4	☐		☐



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27	General hydrology	Considers the state of water bodies, water resources, their reserves and distribution, including the impact of anthropogenic activities on their regime and quality, methods and technical means of measuring and determining the main hydrological characteristics of watercourses and reservoirs, theoretical foundations and methods of hydrological calculations and the application of these methods in the design and water management systems	BD	EC	6	☐	☐
28	Fundamentals of artificial intelligence	The discipline is aimed at studying the basic concepts, methods and algorithms that underlie the creation and application of artificial intelligence. As part of this course, students will learn the theoretical foundations of machine learning, neural networks, natural language processing algorithms, and computer vision. They will also get acquainted with the ethical, social and legal aspects of the application of artificial intelligence in various areas of life.	BD	EC	5	☐	☐
29	Earth remote sensing technology	Remote sensing technology (DRS) is a method of studying changes in the natural environment of hard-to-reach areas for the researcher, even by means of spectral processing of impossible-to-understand space images. These are high-altitude areas, high-altitude valleys, closed, barren, unused, uninhabited lands without roads. DZZ technology is aimed at the introduction of methods of electromagnetic distribution, sensors and platforms, decoding of satellite images, processing of digital images, use of data DZZ.	BD	EC	5	☐	☒
30	Recreational geography of Kazakhstan	Considers the system of territorial (spatial) distribution of recreational resources in within the country and individual objects, obtaining knowledge about objects that have a protruding value, as well as the education of careful and their rational use and application in tourism activities; getting knowledge about the nature and characteristics of tourist zoning, about the ways of its revision and study of the modern network of tourist and recreational areas and zones of Kazakhstan	BD	EC	5	☐	☐
31	Sacred geography of Kazakhstan	Studies the purpose, objects of study and the main functions of sacred places, the spatial distribution of unique paleo-cultural historical monuments, the holy places of Kazakhstan of republican, regional and local importance, the strengthening of spiritual values that carry sacred places.	BD	EC	5	☐	☒

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32	Fundamentals of applied behavior analysis	Course goal — to develop the ability, grounded in Applied Behavior Analysis (ABA), to critically analyze data-based functions of behavior; design and implement individualized interventions in inclusive educational settings; and evaluate their effectiveness, safety, and ethical soundness. Develops skills to: operationalize behavior; collect and analyze data (incl. ABC); identify behavioral functions; design and apply behavior support plans; teach functionally equivalent alternative behavior; manage crisis situations; and assess outcomes.	BD	EC	5	☐		☐
33	New approaches to learning and assessment at school	Aimed at mastering the knowledge of theory and technology of criteria-based assessment of educational results in the context of education renewal; the formation of practical abilities and skills of criteria-based assessment of educational results, the study of the basic rules and methods of assessing the educational achievements of students, possible consequences, the results of the implementation of methodological approaches	BD	EC	5	☐		☐
34	Meteorology with the basics of climatology	It studies the place and role of the atmosphere in the system of interacting natural shells of the planet, the structure of the atmosphere, the composition of atmospheric air, the basic physical laws of the atmosphere, reveals the patterns of atmospheric processes in all the diversity of climates, forms basic knowledge about the atmosphere and the processes occurring in it that shape the weather and climate of our planet.	BD	EC	6	☐		☐
35	Local history	Integrates knowledge of a geographical, historical, literary, ethnocultural nature, forms the ability to carry out local history work, based on acquaintance with local history literature, archaeological and cartographic materials, as well as through direct observation, the skills of studying one's own area and native land	BD	EC	5	☐		☐
36	Methods of using digital mapping resources	Directed by students to master the theoretical foundations of cartographic science, the study of maps and methods of cartographic research, the study of modern methods of preparing maps for publication, the principle of color separation of digital maps using modern technologies, based on various sources	BD	EC	5	☐		☒

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37	Toponymy	Forms knowledge about the complex study of geographical names (toponyms), the value of studying the history and analysis of toponyms, general geographic and special toponymic terminology; understanding of modern problems of translation, renaming in geographical science, the essence and meaning of the primary sources of geographical names and historical information	BD	EC	5	☐		☐
38	Population geography with the basics of social geography	Studies the processes of formation and dynamics of numbers, types of reproduction, structure and migration of the population, the territorial organization of society, the relationship with the environment; considers the geography of labor resources, the social composition and level of education, forms of settlement, modern demographic problems	BD	EC	5	☐		☐
39	Geoecology with the basics of nature management	Considers a holistic view of the ecological role of geospheres in the Earth system, the functioning of natural-anthropogenic and geotechnical systems that have arisen as a result of technogenesis, methods of their study, problems in the field of environmental optimization, geoecological problems of the litho-hydro-atmospheric-biosphere, geographical fundamentals of rational nature management, types of nature management, methods, mechanisms, levers of management of nature management, causes of the emergence of problems of nature management and ways to solve them	PD	UC	5	☐		☐
40	The economic and social geography of the world	Forms systems of knowledge about the sectoral structure of the economy of individual countries and regions of the world, the spatial factor of socio-economic processes, the spatial structure of the world economy, features and trends of its development in individual countries and regions of the world	PD	UC	5	☐		☐
41	Method of teaching of natural science	Aimed at mastering the theoretical, methodological foundations of modern natural science education by students; study of the modern natural science picture of the world and methods of natural sciences; examines the most important ideas and achievements of natural science; the possibilities of science and scientific knowledge in solving the problems of human survival	PD	UC	6	☐		☐



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42	Physical geography of Kazakhstan	Forms deep and systematized knowledge about nature, geological structure, relief, climate, inland water, soil cover and the organic world, changes in nature under the influence of human economic activities, nature protection, large natural regions of Kazakhstan	PD	UC	4	☐		☐
43	Economic, social geography of Kazakhstan	Studies the natural resource potential, population, economic structure, location of productive forces, foreign economic relations of Kazakhstan with the countries of the world, examines the problems of the area, forecasting its development, comparing the existing distribution of productive forces.	PD	UC	6	☐		☐
44	Landscape studies	Studying the main patterns of formation, development of natural and natural-anthropogenic landscapes, natural-territorial complexes, their structure, landscapes of regional and local levels, identification and assessment of spatial-temporal differences in physical and geographical conditions, development of the territory of the use of natural resources	PD	UC	5	☐		☐
45	Geographic Research Methods	Studies the essence of new and latest research methods in the field of physical, eco-economic geography, significance is the use of a comparative, quantitative remote (aerospace) method, methods of geographic expertise and expert assessments, modeling, forecasting, regionalization for an in-depth study of natural and socio-economic processes and the phenomenon in accordance with the updated content of geographical formation	PD	EC	5	☐		☐
46	The methodology of using ICT in teaching geography	Studies the use of information and communication technologies and additional technical means in the process of teaching school students, to increase their motivation to study the subject of geography and contribute to the increase of intellectual activity. Considers the inclusion of ICTs in the learning process through organized and pedagogically sound learning and extracurricular activities	PD	EC	6	☐		☐
47	Country study	Considers the nature, population, economy, the main stages of the historical development of the country, the political system, issues of demography, foreign policy, especially the economic, political and cultural life of countries, as well as compiling a comprehensive regional characteristics of countries	PD	EC	5	☐		☐



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48	Service and infrastructure geography	Forms an idea of the infrastructure and its industries; considers the composition of the service sector and geography; the role of the service sector in modern society; problems and prospects for the development of housing and communal services; significance, composition, role of science in the life of modern society	PD	EC	5	☐	☐
49	Methods of designing and solving geographical problems in school geography	Considers, in accordance with the updated content of school geography, the methods of modeling, designing, and forecasting natural and socio-economic processes and phenomena; methods for solving cartometric, hydrological, climatic, economic problems for revealing the laws of nature, the principle and location of industrial production in the study of physical and economic geography	PD	EC	6	☐	☐
50	Political geography with the basics of geo-politics	Examines the essence, possibilities, boundaries, prospects and main types of geopolitical processes, spatial structures of the world economy, features and trends of its development in individual countries and regions of the world; examines the main characteristics of the geopolitical space, the geopolitical situation and the potential of the regions of the Republic of Kazakhstan	PD	EC	5	☐	☐

EO attainability coefficient: 94,23 %

	State	Status assignment date and time	General expert op
1	Expertise	12.09.2025 17:32	обновить

Basis for updating of EP *

Изменение лицензии, исключен ПС Педагог, утративший силу. Добавили новую дисциплину "Основы прикладного поведения".