

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«MENTAL ARITHMETIC»**

**For whom it is intended:** Program (Minor) "Mental arithmetic» is intended for students of all major educational programs.

**Relevance:** Program (Minor) "Mental arithmetic» is currently a new direction in the educational system. Mental arithmetic is the best program for brain development that allows you to solve arithmetic problems of any complexity.

**Justification:** Mental arithmetic will help students improve their knowledge and improve the quality of teaching. They will learn the history of abacus (soroban), mental arithmetic as a method, and features of the teaching method. The advantage of this technique is the harmonious development of the left and right hemispheres of the brain. The advantages of mental arithmetic is its versatility and can be applied to any school subjects-from quick learning of English to mathematics and drawing.

**Purpose:** Improving the competence and (or) obtaining a new competence in the field of implementation of the educational process in mental arithmetic (addition and subtraction), necessary for professional activity.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Mental arithmetic» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
the Solution of problems on the abacus.	the Numbering of numbers and their designation number, the image on the abacus; Place the number in the number series and its location on the abacus; the Quantitative weight of the numbers and its comparison with other numbers ; Written designation, the local-bit value of the numbers in his record and a place on the abacus – the number of tens and units; Composition of the first ten numbers; Properties of addition – commutative and associative Properties subtraction – replacement deductible amount and the sequential subtraction of the sum of the number; Grouping numbers, selecting convenient and fast calculation methods, addition and subtraction formulas based on knowledge of the properties of number numbering and mathematical operations with them.	LO1-master the skills of working with a quick abacus account; LO2-improve their own cognitive abilities: memory, attention, and creative thinking LO3-able to quickly perceive and process information.
Graph theory.	the Discipline "Theory of graphs" aims to familiarize students with the major topics of graph theory and its applications, and higher professional profiled (bachelor's level) education, allowing the graduate to work successfully in the chosen field, possess universal and subject-specialized competences, promote social mobility and stability on labor market.	LO1-Knows the basic concepts, theorems, and methods of graph theory. LO2-Is able to apply the methods of graph theory in the solution of professional tasks; LO3-Has the mathematical apparatus of graph theory, necessary for solving logical problems of any complexity
Methods of teaching mental arithmetic.	Techniques for working on soroban (abacus). Simple addition and subtraction. Formulas used when working on soroban. Methods of teaching mental arithmetic/ My brother's help. Junior comrades. Help from a friend. Senior comrade. Study of formulas used in the practice of working on soroban within one dozen, as well as when working on all spokes. Senior comrades (continued) 1D 2D. A compound of formula (mix formula). Traffic through 50+ (50-), 100+ (100-). Three figures. Summing up the training results. Organizing and conducting classes in mental arithmetic.	LO1-Knows the theoretical basis of abacus counting techniques; LO2-Knows the method of mathematical calculations in the mind. LO3-Is able to conduct classes in mental arithmetic;

**ADDITIONAL (MINOR) EDUCATION PROGRAM  
«SMART SYSTEMS ENGINEERING»**

It consists in the concept of organizing the educational process based on the choice of individual educational trajectories by students based on the educational program. In the OP being implemented the minor "Engineering Smart systems" Education is aimed at the formation of professional competencies, which are expressed in the development of students' scientific and technical views, the disclosure of internal resources of the individual.

**Relevance:** Relevance: the program of additional education "Engineering Smart Systems" is an elective course within the framework of this academic program. Know the graphic concepts of three-dimensional objects and mechanisms using the basic methods of computer graphics, general methods of constructing and reading drawings, the basic requirements of a regulatory and technical document for the creation of three-dimensional models of mechanisms and kits, regulating the processing rules in drawings and other design documents; modern information - automated technologies of automatic design; basics of standardization; connection of the constructive and technological stage of manufacturing a production product.

The additional education program "Engineering Smart Systems" is an elective course within the framework of this academic program.

**Justification:** In addition, the student, through mastering the minor program, develops the ability for conscious relationships, as well as continuous education as a condition for successful professional and social activities; The ability to tolerantly understand and behave in a multicultural world, the ability to be ready for dialogue with other people, the ability to reach mutual understanding, find common goals and cooperate to achieve them; Ability to understand the system of knowledge about fundamental laws and theories, physical meanings of phenomena and processes in nature and technology; The possibility of using modern software for processing various types of graphic information and carrying out project activities using modern information and communication technologies; The ability to present a clear calculation using information and communication technologies and a way to solve the natural science cycle; Formation of general competencies, such as the ability to generalize the results of physical research to describe phenomena and processes in the environment.

**Purpose:** mastering the skills of organizing and planning the work of design documentation systems in modern design systems, developing skills in the application of circuit diagrams of detectors used in industry.

**Program description:**

The program (Minor) consists of 3 disciplines, each discipline for 5 credits, as a result, the student must master 15 credits.

he program (Minor) "Engineering of Smart Systems" does not require prerequisites.

The number of credits for obtaining a bachelor's degree remains unchanged at least - 240 credits.

**PROGRAMME CONTENT**

Name of the discipline	Description of the discipline	Teaching outcomes
Theory of electrical circuits	The subject of the course of circuit theory is the study of both qualitative and quantitative aspects of electromagnetic processes occurring in electrical circuits. This course consists of three parts: Steady-state processes in linear electrical circuits. Steady-state processes in nonlinear electrical circuits. Transients in electrical circuits.	LO1 - Understands and defines the basic physical laws and physical processes that occur in various electrical circuits. LO2 - Performs the calculation of an electrical circuit at a voltage resonance or current resonance. LO3 - Studies the phenomenon of resonance in series and parallel oscillatory circuits in laboratory work.
Fundamentals of microelectronics	Providing electrical engineering training of students at the level of understanding the physical processes and functional properties of devices when receiving, converting and transmitting information in the form of electrical signals, as well as analyzing the capabilities of basic electrical and electronic devices when choosing tools for hardware and software complexes of information systems is an important part of the "physics of smart systems" minor of this educational program.	LO1 - Knowledge of the physical foundations of microelectronics; LO2 - forms an idea of the principles of construction of electronic devices, an idea of the technological and technical aspects of devices
Physics of sensors and sensors	Study of the physical principles of functioning of various types of sensors and detectors 2) study of the schematic diagrams and technical implementation of detectors used in the industry 3) conducting laboratory classes for the purpose of practical study of the physical principles of measuring devices.	LO1 - students should master theoretical and practical skills, knowledge of sensors and sensor systems for wireless communication and infocommunication technology, focused on the creation of import-substituting electronic means for security.

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«SMM SPECIALIST»**

**For whom it is intended: Program (Minor):** additional educational program (Minor) «SMM specialist» is intended for students of all Major educational programs.

**Relevance:** program Minor «SMM specialist» due to the rapid growth of Social Media Marketing. At the same time demand is becoming a profession SMM-specialist that is lacking on the market in the SMM. The profession is in demand both in advertising agencies and in large companies, in educational institutions, i.e. in any places where any services are provided.

**Justification:** the profession of «SMM specialist» appeared relatively recently in connection with the rapid growth of social media as a platform for working with clients. There is no such specialty in higher educational institutions yet and, as a rule, those who like to communicate, create interesting content, lead groups, conduct competitions, generate ideas, and be active become SMM specialists. The profession of an SMM specialist is at the intersection of marketing and IT, therefore, a specialist is required to have computer literacy in the field of creating and filling sites, knowledge of marketing communications strategy, basic knowledge of programming languages and graphic editors, online applications and tools.

**Purpose:** training specialists in the field of Social Media Marketing who have mastered the features of promotion in various social networks and online promotion tools, are able to analyze the target audience and competitors, create content plans for different target audiences, create content relevant to platforms, work with text, graphics and video.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits (ECTS), in total the student must master 15 credits (ECTS).
2. The program (Minor) «SMM specialist» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least - 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Learning outcomes
Web Programming	The course lays the foundation for the development of professional knowledge, and setting up web-sites. Examines Internet programming languages, as well as various tools for the development of web-sites. Forms students' knowledge of programming web pages, analyzing web content and social networks. As well as teaching students online ethics and the implementation of information security in the network.	LO1 - Knows the basic techniques of creating web-content and Internet resources LO2 - Creates and uses websites LO3 - Has basic knowledge of programming on the Internet LO4 - Analyzes social networks to promote the company LO5 - Provides information security in the network
Social Media Marketing	The course examines the issues of blogging on social networks, creating information messages in various communities and distributing them, communicating in comments, working with forums, hidden marketing, direct advertising and viral marketing, monitoring positive and negative backgrounds, and optimizing the media space.	LO1 - Uses social media to promote the company and solve business problems LO2 - Creates texts for blogs and news messages LO3 - Spreads information on social networks LO4 - Monitors positive and negative background LO5 - Knows how to communicate in comments and forums
Fundamentals of Computer Design	The course forms the knowledge, skills and knowledge acquire knowledge in the field of design and computer graphics. The course develops design and artistic abilities in the process of mastering the fundamentals of graphic culture by students, including the formation of design thinking and the ability to perform various types of professional graphic activities that allow you to manage creativity in the process of finding and implementing new ideas.	LO1 - Knows the basic concepts of graphic design and the basics of graphic design. LO2 - Knows methods and tools for processing and creating vector and raster images LO3 - Owns technologies for working with various sources of information; culture of graphic presentation; ability to generalize, critical analysis, perception and systematization of information LO4 - Uses tools and technologies for creating graphic modules on mobile devices and computers.

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«STARTUP MENTOR»**

**For whom it is intended: Program (Minor) «Startup Mentor»** is intended for students of all major educational programs

**Relevance:** Today, technology entrepreneurship is actively developing all over the world, and there are more and more success stories. It is experienced mentors who can translate the number of startups into the quality of businesses.....

**Justification:** Recently, the number of startups whose concept is the production of goods or the execution of works involving equipment developed by the authors of the project themselves has been actively growing. In other words, people offer their products or offer their services, proving that their offerings are truly unique. However, in the first stages, a startup mentor is required. Studying the minor program "startup mentor" will greatly benefit the project and contribute to its development in the future.

**Purpose:** Assistance in developing an effective development strategy and business plan for the project; making key decisions related to project development; training project managers in conducting business negotiations, holding meetings with their partners or clients; forming an effective startup team

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Startup Mentor» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Fundamentals of entrepreneurship and business	The essence of entrepreneurship and its types. Making an entrepreneurial decision. Selection of the field of activity and justification for the creation of a new enterprise. Organizational and managerial functions of the enterprise. Entrepreneurial risk. Entrepreneurial culture. Responsibility of business entities. Financial management of an enterprise of an entrepreneurial type. Taxation of business activities. Evaluation of the effectiveness of business activities	LO1-Can create stages of organizing your own business, ethical standards of business activity LO2-Knows how to model and adjust the business activities of small and medium-sized businesses; develop a business plan for the enterprise and determine the strategy of the business being opened.
PR management in social networks	The basics of Internet marketing. Research of public opinion in social networks. Search engine optimization. SEO as a PR tool. Viral marketing. Affiliate program. Web rings. The problem of returning users and creating a permanent audience. Evaluating the effectiveness of PR in social networks. Basic terms and indicators of PR performance in social networks. Analysis of the effectiveness of PR in social networks. Criteria for evaluating the effectiveness of PR in social networks.	LO1-Knows how to use the forms and methods of the PR system for the successful implementation of large marketing projects by taking into account public opinion, the ability to influence it and establish active communications not only with target audiences of major buyers, but also with various representatives of the business community; LO2-Has complex mechanisms for planning, organizing and conducting PR companies as a result of marketing communications;
Technology for organizing project activities	Project activities, project typology, theoretical aspects of design, modeling in the organization's project activities, organization of project activities, design difficulties, main errors in project activities. Experimental evaluation of project activities. Main errors in project activities. Experimental evaluation of project activities.	LO1-Has the ability to set goals and formulate a research hypothesis, plan work, select and interpret the necessary information, structure evidence of research results based on the collected data, and present results. LO2-He has methods of using innovative technologies, the ability to study and transfer the experience of innovative work.

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«INFORMATION SYSTEMS IN THE ECONOMY»**

**For whom it is intended:** The program «Information Systems in Economics» is intended for students of all Major educational programs.

**Relevance:** additional program «Information systems in economics» after obtaining professional knowledge in the field of information systems in economics, the bachelor of information systems designs, creates, uses and accompanies professionally oriented information systems in economics in his practice.

**Justification:** The program of additional education «Information systems in the economy» Information technologies based on the functioning and management of various spheres of the economic life of modern society, constitute the fundamental basis for the development of a new type of economy, in particular the digital (information) economy.

**Purpose:** study of modern information processing technologies in the field of economics and finance, obtaining practical skills in using common software products that support these technologies

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Information systems in the economy» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Programming technology on the 1C platform	The objectives of mastering the discipline are to obtain a basic understanding of working with objects and mechanisms of the 1C: Enterprise 8 platform, the possibilities of typical solutions of the 1C system, the formation of practical skills in configuring and programming in the 1C system, the use of modern development methods and design trends in the 1C system professional activity	LO1 - Development of new modules and configurations on the 1C platform; LO2 - Analysis of Internet resources using 1C LO3 - Development of a software application in a system based on 1C platform.
Data Analysis in Economic Information Systems	Studying the basic methods of theory and practice of analyzing economic data for decision-making and forecasting socio- economic development, students mastering modern software tools focused on the processing of numerical and non-numerical economic information	LO1 - know the main approaches to forecasting economic indicators; LO 2 - consideration of the principles of mathematical modeling in economics; LO3 - mastering the basic methods of quantitative analysis of quantitative and non-digital economic information
Management and Marketing Information Systems	Formation of future knowledge and practical skills among future specialists using a variety of information management and marketing information systems as the main tools of marketing research and management based on advanced information technologies	LO1 - consideration of the effectiveness of the functioning of marketing information systems; LO2 - learn how to work with marketing decision support systems and telecommunication technologies

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«COPYWRITER-WRITER»**

**For whom it is intended: Program (Minor) «Copywriter-Writer»** The program (Minor) «Copywriter-Writer» is intended for students of all educational programs of the Major.

**Relevance:** A copywriter-writer is a specialist who can withstand competition, successfully defend his idea, compose a voluminous work or a short text about a particular team, organization, person or product, and can write advertising articles and texts.

**Justification:** Any Association, collective, production or University needs an informational image in order to resist the market economy. This every day increases the interest in this field among students in the specialties of Kazakh language and literature, Philology. This requires more complex skills and competencies. Thanks to the rapid development of technology, new professions are emerging in the world, one of which is a massive increase in demand for specialists-copywriters, specialists of tomorrow.

**Purpose:** The student has the opportunity to learn and develop professional skills for the development of new competency, image building specialist.

**Program Description:**

4. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
5. The program (Minor) «Copywriter-Writer» does not require pre-requisites.
6. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Literary process and problems of criticism	To study the processes of formation and stages of development of literary criticism, to determine the characteristics of the relationship of criticism with the fields of literature, aesthetics, philosophy and journalism, to reveal its role in the literary process. Mastering the ways of developing critical thought; be able to distinguish its connection not only with literary phenomena, but also with social and social reflections; by mastering the influence of the development of literature on the development of critical thought, be able to recognize the role of criticism in literature, artistic phenomena occurring in literature.	LO1-Can write advertising and presentation texts;
Practical course of literary theory	Explains and analyzes the realities of literary theory as a discipline, stages of development of aesthetic thought, the methodology of literary theory, current research, issues of aesthetics and theory in the modern science of Kazakh literature, the nature of fiction, the characters, works, author, creativity, character development, literary kind, genre, literary process, problems of style, patterns and principles of development.	LO1-Can create image information for a specific team, organization, or company;
Methods of literary research	To ensure the assimilation of the achievements of the science of verbal art of young applicants. Inform about important tasks of Kazakh literature and folklore studies that are waiting to be solved in the future.	LO1-Knows how to write scripts of commercials;

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«MASTER OF TRAINING»**

**For whom it is intended: Program (Minor) «Master of training»** s intended for students of all Major educational programs.

**Relevance:** Students will have the opportunity to get additional learning outcomes by studying the additional program Minor «Training Master».

**Justification:** During the training program «Master of Training» you have the opportunity to be competitive in the labor market or to acquire additional competencies to meet their individual needs. «Training Master» helps an individual to get to know others, the environment, to understand it, to express themselves openly, to speak in public, to communicate freely, to overcome internal stress, to share it with others, to increase self-confidence and self-understanding. , allows you to see other qualities in yourself and instills in a person self-control, perceptiveness.

**Purpose:** The Master of Training program allows graduates to master public speaking, public speaking, and the necessary skills and techniques.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «**Master of training**» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Communication culture	Self-knowledge through communication. Interpersonal communication skills, tolerance for a person. Verbal and nonverbal aspects of speech. Distance in communication. Culture as a factor of life achievements. Tolerance as a norm of human life in society.	LO1-Rules of speech ethics, development of language communication, culture of speech
Basics of communication	Basics of communication is a separate scientific discipline, the main and fundamental branch of the theory of linguistics. Unity of language and consciousness. Linguistic communication is a means of human communication through a language that serves humanity as a whole; the connection of language communication with other social processes. The main object of studying language communication is the whole nature of language and man, its natural nature, recognition of man through language, recognition of language through man.	LO1-Development of language communication, language culture
Ability to speak in public	The main conditions for public speaking, requirements for the speaker, three sources of oratory: linguistic, intonation, kinetic and public planning of speech in various communication situations (in institutions, on the street), the nature of communication with the audience (formal, informal), the social status of the audience or their age, education, etc., aimed at developing the skills of competent and eloquent speech.	LO1-Formation of skillful, public speaking skills, the ability to work with the audience

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«GUIDE-INTERPRETER»**

**For whom it is intended:** The program (Minor) «Guide-interpreter» is intended for students of all major educational programs.

**Relevance:** the Minor program «Guide-interpreter» is determined by the importance of training professional personnel in the field of interpretation.

**Justification:** Among the main factors contributing to the development of the translation market in Kazakhstan, in addition to globalization, we can also mention the active involvement of Western investment, economic growth and the number of export-import operations, development of IT-technologies, strengthening the role and increasing the scope of a state language, as well as increased activity of Kazakhstan in the international arena. All this dictates new requirements for the

volume, level and quality of translations, and at the same time exposes a number of problems, the most acute of which is the lack of highly qualified translation staff. Moreover, the lack of staff is felt at all levels, from specialists who are able to make a competent translation of labels for goods in supermarkets and ending with the highest caste among translators - simultaneous interpreters.

**Purpose:** improving language and geographical competence and developing a culture of tourism business management.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) "Guide-interpreter" does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Excursion	Formation of knowledge about the work of a guide and the organization of the work of a tourist and excursion enterprise and an understanding of the values of excursion and educational work in the process of tourist activity. The need to study this course is due to the specifics of the direction of training.	LO1-Uses all types of speech activity in situations of formal and informal communication; LO2-Knows theory and practice of translation, theory of language and intercultural communication; LO3-Knows the culture of personal quality in the professional activity of a translator.
Planning and organization of tourism business	Formation of the foundations of the organization of a tourist enterprise, the skills of receiving and sending tourists along routes, developing the job responsibilities of managers and specialists at the enterprise, drawing up a package of documents for state registration and licensing of a tourist enterprise, ensuring the safety of tourists, the culture and quality of tourist services and the specifics of working with domestic and foreign partners.	LO1-Uses all types of speech activity in situations of formal and informal communication; LO2-Knows theory and practice of translation, theory of language and intercultural communication; LO3-Knows the culture of personal quality in the professional activity of a translator.
Geography of international tourism	Studying the development of international tourism and the formation of students' knowledge and ideas about the complex and diverse international space, about the main centers of tourism, the history of their emergence and development.	LO1-Uses all types of speech activity in situations of formal and informal communication; LO2-Knows theory and practice of translation, theory of language and intercultural communication; LO3-Knows the culture of personal quality in the professional activity of a translator.

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«SPEECHWRITER-ORATOR»**

**For whom it is intended:** Program (Minor) «Speechwriter-orator»

**Relevance:** A graduate who wants to master the specialty «Speechwriter-orator» should pay special attention to improving the culture of speech in print, TV and radio communication, as well as lexical, grammatical, syntactic norms of oral and written work.

**Justification:** In the course of studying this discipline, a future speechwriter should know the specific language and stylistic features of each genre and form. When writing material on various topics, you must choose how to use words in accordance with the features of the publication, TV and radio channel.

**Purpose:** The process of preparing a text, report, or words to be read or spoken in front of the public.

**Program Description:**

1. The program (Minor) «Speechwriter-orator» consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Speechwriter-orator» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Mastery of Speechwriter	Study the goals and typology of public speaking, types of public speaking, the stages of preparing public speaking, types of speech strategies and argumentation methods; write texts (socio-political, socio-cultural and professional-cultural) public speaking; create a classification of speech techniques of oral and written public speech; determine the interaction of the speaker (politician, businessman) and the audience.	LO1-knows the genres of Newspapers and their language and style features. LO2-knows the role of phraseology, Proverbs, and catch phrases.
Mass Media Pragmatics	To get acquainted with the scientific works of Mass Media; studying the theoretical and methodological foundations of mass media. It substantiates the genre specificity of mass media discourse, structural-semantic form of media discourse, communicative pragmatic and cognitive-pragmatic aspects of mass media. Study the pragmatic maxims of the Mass Media Text and their verbal cods. Understand the composition and the difference between radio discourse and television discourse. Analyze the pragmatic impact of live news and media news.	LO1-defines the specifics of the speech language and radio language and the norms of the literary language and its character in radio broadcasts. LO2-formulate an idea about the pragmatic impact of Live news and the press.
Features of modern communication	To get acquainted with the theoretical and methodological foundations and concepts of modern communication; determine the types and postulates of the classification of modern communication, aspects of study and linguistic and stylistic features of modern communication; systematize business negotiations, matrix of genre information and its chronology. Separate and analyze the features of modern PR-communication, the features of modern political communication, the features of virtual communication, the features of Internet communication and their verbal codes.	LO1-Indirect and direct forms, master the internal and external context of communication. LO2-Defines cross-cultural communication at Micro and macro levels and cross-cultural communication, communication between social classes and groups.

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«RUSSIAN LANGUAGE AND LITERATURE IN SCHOOLS WITH  
A NON-RUSSIAN LANGUAGE OF INSTRUCTION»**

**For whom it is intended:** Program (Minor) «Russian language and literature in schools with a non-Russian language of instruction» is designed for students of the educational program «6B01703 – Russian language and literature».

**Relevance:** The program (Minor) «Russian language and literature in schools with a non-Russian language of instruction» provides an opportunity for multilingual education, obtaining additional knowledge and competencies in a related industry. The Russian language as a means of interethnic communication and as an official language in the Republic of Kazakhstan occupies one of the leading positions, performs important social and humanitarian functions.

**Justification:** Russian language program is aimed at training a specialist who is able to carry out professional activities as a teacher of Russian language and literature in schools with Russian and the national language of instruction, who has universal, General professional and professional competencies necessary for performing pedagogical, project and research activities in the field of education. The main advantage of the program is associated with the wide professional opportunities provided to the graduate, which provide a high percentage of employment in the specialty, regardless of the labor market situation.

**Purpose:** training of competitive teachers of the Russian language and literature as individuals with the necessary knowledge and skills to provide high-quality training in the context of modernization of the content of secondary education based on modern innovative technologies.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, 5 credits each; as a result, the student must master 15 credits.
2. The program (Minor) "Teacher of Russian as a foreign language" does not require prerequisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
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<p>Modern language and comparative grammar of Kazakh</p>	<p>The goal is to form competencies in the process of teaching students related to identifying similarities and differences of the compared languages; to develop skills and abilities to determine the causes and patterns that cause similarities and differences of languages due to their belonging to different language systems; to introduce students to the rich spiritual life of the Kazakh people; to introduce students to the history of their native land; moral and aesthetic education of the younger generation.</p>	<p>LO 1 – Knows the sound structure of the Kazakh and Russian languages, their lexical, morphological, word-forming and syntactic features; the reasons for the similarity and differences of the compared languages;  LO 2 – Understands what causes this or that form of a word to come to life in the compared languages, how one word or sentence is formed in both languages;  LO 3 – Determines the causes and patterns that cause similarities and differences in languages due to their belonging to different language systems;  LO 4 – Can create and edit professional texts in the Kazakh language;  LO 5 – Recognizes the causes of mistakes made by students in the pronunciation of words, the construction of phrases and sentences, and organizes work to prevent them;  LO 6 – Applies rules when working with written text; LOC 7 – Analyzes languages and their levels using a wide range of methods.</p>
<p>Literary heritage of Kazakhstan</p>	<p>The goal is to introduce students to the rich spiritual life of the Kazakh people, the history of their native land; moral and aesthetic education of the younger generation.</p>	<p>LO 1 – Knows the peculiarities of the historical and literary process in Kazakhstan;  LO 2 – Understands the originality and significance of the creative heritage of Kazakh writers; creativity of individual outstanding writers of Kazakhstan;  LO 3 – Can work with texts of fiction and critical literature;  LO 4 – Knows how to navigate the diversity of the Kazakh literary heritage;  LO 5 – Has the skills to work with texts of fiction and critical literature; LOC 6 – is Able to analyze the texts of the Kazakh literary heritage;  LO 7 – Demonstrates the ability and willingness to apply the knowledge gained in practice.</p>
<p>Linguoculturology</p>	<p>The goal is to provide students with comprehensive professional competencies in the field of linguoculturological knowledge, which allow them to perform activities corresponding to the profile of training.</p>	<p>LO 1 – Knows the basic concepts of linguoculturology; history and theoretical provisions of linguoculturology;  LO 2 – Understands the content of the concepts "language", "culture", "worldview", "conceptual and linguistic worldview", etc.  LO 3 – Owns the theoretical foundations and methods of linguoculturology, categories and concepts related to the study of cultural forms, processes, and practices.  LO 4 – Has the skills of qualified analysis, abstracting, commenting and summarizing the results of scientific research conducted by other specialists, using modern methods and methodologies, advanced domestic and foreign experience.</p>

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«TEACHER OF RUSSIAN AS A FOREIGN LANGUAGE»**

**For whom it is intended:** Program (Minor) «Teacher of Russian as a foreign language» (Minor) program is designed for students of the educational program «6B01704 - Russian language and literature in schools with a non-Russian language of instruction»

**Relevance:** Graduates of this program are in demand as teachers of Russian as a foreign language in universities, language schools, language courses in Kazakhstan and abroad.

**Justification:** Learning any foreign language is a potential opportunity to gain access to the field of intercultural communication. At a time when the world is experiencing a steady trend towards global integration in various fields, foreign language proficiency is an attribute of professionalism for a specialist, and for an ordinary Communicator a useful skill dictated by the requirements of the time. The acquisition of language competence in the broad sense of this concept becomes an important component of the education of a modern person.

**Purpose:** to form a communicative approach to language teaching knowledge and skills in the field of teaching Russian as a foreign language; to train future teachers of Russian as a foreign language methodological practices.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.

2. The program (Minor) «Teacher of Russian as a foreign language» does not require pre-requisites.

3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Methods of teaching Russian as a foreign language (RFL)	The goal is to form a broad theoretical basis for students, future specialists, as the basis for their future professional activities, to introduce them to modern methods and apply them in practice. This discipline is included in the system of academic disciplines relevant, professional and Humanities that introduces students to the basics of professional activity of teacher of RFL and underlying these activities the knowledge, skills and abilities, and forming the basis of philological, socio-cultural and professional preparation of the teacher of RFL.	LO 1 – Knows the main methods and techniques of teaching foreign languages; the specifics of teaching Russian in a foreign-language audience; LO 2 – is Able to manage communication in the course of the pedagogical process; organize the educational activities of foreign students; LO 3 – is Able to approach language phenomena in a differentiated way, taking into account their specifics in the Russian language system, that is, to be able to correctly analyze, compare and distinguish lexical and grammatical material; LO 4 – Able to predict difficulties in mastering Russian as a foreign language; LO 5 – Has the skills of a special vision of language phenomena from the point of view of teaching Russian as a foreign language; LOC 6 – Demonstrates the ability and readiness to conduct training sessions in Russian as a foreign language.
Russian as a foreign language (practical aspects)	The purpose of the discipline is to improve language training, which organizes speech activity by language means and methods that are adequate in educational, scientific and professional communication. Study of professional skills of RFL teachers, which will allow them to become independent and competitive specialists in the future; - study of modern approaches to the definition of the text, the authentic text, places the text in the methodology of teaching RFL; to familiarize students with the basic techniques of working with different types of texts depending on the language level of the intended audience (adaptation, types of exercise, etc.); formation of sustainable skills of self-preparation of texts for work in the classroom of foreign students.	LO 1 – Knows the models of referencing; ways of expressing various semantic relations in super-phrasal unity, in the text; LO 2 – Understands the rules of building a scientific text; the technique of preparing an oral presentation; LO 3 – Can use various types of reading texts of scientific, professional and communicative spheres; when listening, make a parallel written fixation of the audio text; LO 4 – is Able to generalize informative material based on the read / listened text; LO 5 – Owns the technology of constructing a text of an educational, scientific, scientific and journalistic nature; the main logical methods of arranging information in oral and written texts; LO 6 – Knows the techniques of stylistic analysis of the text; principles of writing an abstract and review.
	The purpose of the discipline is to form a communicative-oriented approach to	LO 1 – Knows the specifics of Russian grammar in the unity of structural-system and functional

Functional grammar of the Russian language	language in the aspect of teaching Russian language; to introduce aspects of functional grammar; to describe grammatical forms and syntactic constructions from the point of view of their functions in speech. The course program consists of two main sections: morphology and syntax. Morphology classes will not only summarize information about parts of speech of the Russian language, their grammatical and syntactic features, but also learn about the text-forming role of various parts of speech, get an idea of the visual and expressive resources of morphology, enjoy the surprisingly accurate and vivid language of recognized masters of the word. Syntax classes provide a wealth of material for learning Russian in action. In functional grammar classes, such important sections of linguistics as word formation and speech culture will not be ignored.	approaches; the main sections of functional grammar. LO 2 – Can represent the specifics of Russian grammar in its system and functional potential; identify connections and interactions of different functions of language units within the system and in speech; LO 3 – Has theoretical and practical knowledge of grammatical forms and syntactic constructions in terms of their functions in speech. LO 4 – is Able to demonstrate a willingness to apply knowledge, skills and abilities in pedagogical practice; to make scientific reviews, annotations, abstracts and bibliography on the subject of ongoing research; LO 5 – Has the norms of the Russian literary language, the skills of practical use of the system of functional speech styles; LO 6 – Can create and edit professional texts in Russian.
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**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«EXPERT CHEMIST»**

**For whom it is intended:** The Program (Minor) "Expert Chemist" is intended for students of all educational programs of Major students in the direction of training "6B01507-Chemistry".

**Relevance:** the Minor program "Expert Chemist" is due to the importance of combining various forms of work aimed at deepening the fundamentals of chemical analysis among students, the ability to choose methods of chemical analysis, perform basic laboratory operations and calculate the content of components of the objects under study.

**Justification:** A comprehensive course for training specialists in the field of physical and chemical analysis, including the study of laboratory analysis, modern chemical and physicochemical methods of analysis, regulatory support for various types of expertise, certification.

The training gives the opportunity to work in the specialty "Chemist-expert" in the chemical, oil and gas processing industry, medical institutions, in laboratories related to the chemical, physicochemical, analytical analysis of substances (raw materials).

**Purpose:** training of specialists and formation of professional competencies in the field of chemistry and research areas.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Expert Chemist» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Chemistry of inorganic materials, objects of expertise (by region)	Formation of knowledge of the theoretical foundations of modern chemical and physicochemical methods of analysis, analytical techniques and techniques, statistical processing of analysis results. Development of skills in the practical application of these methods for the analysis of specific technical objects in solving problems of future professional activity.	LO 5 – Able to form judgments during independent assessment, interpretation and synthesis of experimental data obtained in the course of laboratory work and be able to relate them to the corresponding theory. LO 6 – Applies knowledge and understanding when using innovative teaching methods and new technologies in the field of chemical disciplines LO 9 – Able to analyze, evaluate and adjust the process and result of own pedagogical activity LO 10 – Applies knowledge on the theoretical and practical

		<p>foundations of inorganic, organic, analytical, physical and colloid chemistry, on the methodology of teaching chemistry in professional activities</p> <p>LO 12 - Own skills in acquiring new knowledge necessary for everyday professional activity and continuing education in a master degree</p>
Chemistry of organic materials, objects of expertise (by region)	<p>The course consists in the formation of students' general ideas about the subject, tasks and methods of analytical chemistry. The theoretical foundations of qualitative and quantitative analysis are presented, including the necessary information about the mathematical processing of measurement results.</p>	<p>LO 5 – Able to form judgments during independent assessment, interpretation and synthesis of experimental data obtained in the course of laboratory work and be able to relate them to the corresponding theory.</p> <p>LO 6 – Applies knowledge and understanding when using innovative teaching methods and new technologies in the field of chemical disciplines</p> <p>LO 9 – Able to analyze, evaluate and adjust the process and result of own pedagogical activity</p> <p>LO 10 – Applies knowledge on the theoretical and practical foundations of inorganic, organic, analytical, physical and colloid chemistry, on the methodology of teaching chemistry in professional activities</p> <p>LO 12 - Own skills in acquiring new knowledge necessary for everyday professional activity and continuing education in a master degree</p>
Chemical toxicology	<p>Study of the characteristics of the toxic properties of chemical compounds that can cause pathological changes in living organisms. Elucidation of the mechanisms of penetration of toxicants into the body, the patterns of their distribution, metabolism and excretion. The study of changes occurring with a substance in the body is carried out within the framework of the section of toxicology. Knowledge of the toxicokinetics of harmful substances is necessary for the development of a reliable system for the prevention and diagnosis of toxic effects, the improvement of methods for detoxification of the body, etc.</p>	<p>LO 5 – Able to form judgments during independent assessment, interpretation and synthesis of experimental data obtained in the course of laboratory work and be able to relate them to the corresponding theory.</p> <p>LO 6 – Applies knowledge and understanding when using innovative teaching methods and new technologies in the field of chemical disciplines</p> <p>LO 9 – Able to analyze, evaluate and adjust the process and result of own pedagogical activity</p> <p>LO 10 – Applies knowledge on the theoretical and practical foundations of inorganic, organic, analytical, physical and colloid chemistry, on the methodology of teaching chemistry in professional activities</p> <p>LO 12 - Own skills in acquiring new knowledge necessary for everyday professional activity and continuing education in a</p>

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
"BASICS OF BIOTECHNOLOGY"**

**For whom it is intended:** Program (Minor) "BASICS OF BIOTECHNOLOGY" designed for students of all Major educational programs.

**Relevance:** studies the use of biological processes and objects for the production of economically important substances and the creation of highly productive varieties of plants, animal breeds and strains of microorganisms.

**Justification:** The course consists of the main sections - the biology of cultured cells, as well as the actual biological processes: technologies for the production of economically important substances of plant origin, methods of clonal micropropagation, methods of cell selection and cell engineering.

**Purpose:** The purpose of this course is to provide students with theoretical knowledge on the problems of biotechnology associated with the industrial production of economically important products using cultivated plant cells, preservation of the gene pool of varieties and wild plants.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits. The program (Minor) "BASICS OF BIOTECHNOLOGY"
2. does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Basics of biotechnology	The discipline provides technological processes for the creation of new materials, the application of biotechnological processes in solving environmental problems, the production of nutritious proteins on an industrial scale, vitamins, enzymes, transgenic plants and animals, complex and expensive products, environmental pollutants, obtaining an environmentally friendly energy, use of solar energy, purification of water sources, processing and production of household waste.	LO 1 - knowledge of scientific and practical problems of biotechnology; LO 2 - study of methods of deep freezing to preserve the gene pool of plants; LO 3 - development of modern methods of industrial extraction of chemicals from plants, as well as the creation of new types of agricultural plants; LO 4 - be able to carry out genetic manipulations with objects IN vitro to obtain various forms for selection; LO 5 - understanding the organization of biotechnological methods in the selection and design of fundamentally new organisms; LO 6 - have an idea of methods of plant cell and genetic engineering LO 7 - gaining experience in the correct and effective use of biotechnological methods in the selection and design of fundamentally new organisms.
Plant Biotechnology	The course provides for familiarization with the principles and areas of application of the directions of biotechnology, based on the use of microorganisms, lower fungi, algae as biological systems, and an emphasis on the main tasks of plant biotechnology. Attention is paid to the formation of directions of plant biotechnology to solve the problems of crop production and agriculture, depending on the development and achievements of plant physiology, genetics of plant development, genetics and molecular biology. One of the important objectives of the course is to consider the features of the principles of in vitro cultivation using the most promising areas of plant biotechnology - cell selection, chromosomal,	- the ability to apply the principles of structural and functional organization of biological objects and possession of knowledge of the mechanisms of homeostatic regulation; - the ability to apply knowledge of the principles of cellular organization of biological objects, biophysical and biochemical bases, membrane processes and molecular mechanisms of life; - possession of basic ideas about the basic laws and modern achievements of genetics and selection, about genomics, proteomics; - the ability to use basic ideas about the patterns of reproduction and individual development of biological objects, methods

	cellular and genetic engineering.	of obtaining and working with embryonic - the ability to apply modern concepts of the foundations of biotechnological and biomedical industries, genetic engineering.
Biotechnology of microorganisms	Genetic and cell engineering are the main modern methods of biotechnology. Cell engineering is based on the creation and modification of cells. The history of the development of biotechnology of microorganisms. Works of scientists. Advances in biotechnology in the field of biotechnology. Use of immobilized enzymes. Synthesis of artificial vaccines. Hybrids and antibodies synthesized by them are widespread, which are later used as diagnostic and therapeutic drugs. The role of microorganisms in human life and in nature.	LO 1 - To know the goals, directions and methods of biotechnology of microorganisms, the classification and properties of producer strains, to master the methods and technology of manufacturing products based on microbiological production. LO 2 - be able to analyze the literature on biotechnology of microorganisms; LO 3 - Prepare microbiological preparations, cultivate microorganisms and isolate pure cultures, identify them, maintain production cultures of microorganisms; LO 4 - Effectively use the beneficial properties of microorganisms in different areas of production; LO 5 - carry out microbiological control of biotechnological industries LO 6 - to solve problems of economic efficiency and feasibility of using a certain producer strain; LO 7 - Possess the methodology of scientific research

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«GEOGRAPH-CADASTRE»**

**For whom it is intended: Program (Minor)** The program (Minor) "Geographer-cadastre" is intended for students of all educational programs.

**Relevance:** It is determined by the importance of the state land cadastre as an information resource, the information of which is used in the state cadastral registration and land assessment, in the regulation of land relations and the implementation of state land management, as well as in the study of legal, economic and natural conditions of land.

**Justification:** Forms the theoretical foundations of land cadastre and real estate valuation, planning and organization of the cadastre, accounting and evaluation systems for land plots in the city, district, and localities.

**Purpose:** Familiarization with the basic rules of organization and planning of cadastral works, development of methodological techniques and practical skills of land assessment and zoning, teach students to use theoretical and practical skills in performing geodetic tasks of the land cadastre.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Geograph - cadastre» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Organization and planning of cadastral works	The discipline is aimed at developing methods for conducting land cadastral works, components and sections of the state land cadastre, basic rules for organizing and planning cadastral works, performing work on rationing working hours, drawing up land management and cadastral planning and accounting.	Knowledge of the procedure for organizing cadastral works, drawing up and maintaining cadastral documents;
Cadastral valuation and zoning of the land	The discipline is aimed at mastering the necessary theoretical knowledge in the field of land management and land cadastre, methodological techniques and practical skills in the field of cadastral zoning, land assessment and taxation.	State control over land use and protection; Land and real estate valuation;
Land and cadastral geodetic works	The discipline is aimed at demonstrating the methods	Conducting geodetic

	of creating a geodetic basis used in land cadastral works, methods for determining the area in land management, methods and methods for designing plots, and qualitative characteristics of planned cartographic materials.	measurements and surveys using land cadastral, geodetic, and geoinformation information;
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### ADDITIONAL EDUCATIONAL PROGRAM (MINOR) «CHEMIST-ECOLOGIST»

**For whom it is intended:** The program (Minor) «Chemist-ecologist» is available to all students of KNWTTU. First-year students are given an introductory course, and students are required to choose at least two courses from the list of subjects. Master's students can also choose this program, but none of these courses are considered part of their academic program.

The program (Minor) «Chemist-ecologist» is intended for students of all major educational programs studying in the field of training «6B05301-Chemistry».

**Relevance:** in the Minor program «Chemist-ecologist», students not only become more familiar with the problems of nature protection on a global scale, but also acquire practical skills in chemical environmental control. The focus is on the chemical and environmental aspects of environmental chemistry. The program is aimed at training specialists who are able to make informed decisions on various environmental issues, including in the international context.

**Justification:** A future bachelor can take additional training courses in chemical and environmental laboratory research by choosing «Chemist-ecologist» Minor. The program offers chemistry education at a high academic level based on an interdisciplinary approach. It focuses on the chemical and environmental aspects of the environment. The program is aimed at training specialists who are able to make informed decisions on various environmental issues, including in the international context.

**Purpose:** formation of scientifically based principles and approaches in future specialists and their achievement of a certain level of knowledge and skills necessary for subsequent professional activity.

**Program Description:**

1. The program (Minor) «Chemist-ecologist» consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Chemist-ecologist» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Chemical ecology	Formation of the basics of General ecology among students and ecologization of students ' consciousness in all specialties; fostering a sense of responsibility for the natural environment. Know the basic laws of interaction of components in the biosphere and consider the consequences of economic activity of people in conditions of intensive nature use.	LO 3 – Knows chemical laws and applies methods for laboratory and practical work. LO 5 – Applies safety rules in the laboratory and has the skills to organize chemical experiments. LO 7 – Possesses the skills of conducting chemical experiments and interpreting their results.
Biogeochemistry and ecotoxicology	Knowledge of the basic laws of the biosphere and the consequences of human economic activity, especially in the context of intensification of natural resources management, for solving practical problems in the interaction of society and the biosphere as a whole. Also, the study of toxic and acclimation effects of substances, ways and forms of adaptation of the biosystem to new physical and chemical components of the environme	LO 3 – Knows chemical laws and applies methods for laboratory and practical work. LO 5 – Applies safety rules in the laboratory and has the skills to organize chemical experiments. LO 7 – Possesses the skills of conducting chemical experiments and interpreting their results. LO 8 – Searches, selects, and analyzes new information about chemical

		processes and innovations in chemistry for scientific purposes.
Ecological aspects of natural science	The discipline is designed to scientifically justify the norms of human appropriation of plant and animal resources that ensure their safety. Compliance with environmental laws or principles underlying the biological cycle of substances in nature is a prerequisite for all significant changes in the environment.	LO 3 – Knows chemical laws and applies methods for laboratory and practical work. LO 5 – Applies safety rules in the laboratory and has the skills to organize chemical experiments. LO 7 – Possesses the skills of conducting chemical experiments and interpreting their results.

### **ADDITIONAL EDUCATIONAL PROGRAM (MINOR) «ENTREPRENEUR OF TOURIST BUSINESS»**

**For whom it is intended:** Program (Minor) «Entrepreneur of tourist business» is intended for students of all Major educational programs.

**Relevance:** The program of additional education «Entrepreneur of tourist business» provides training for entrepreneurs of tourist business, who, forming a holistic view of the logic of entrepreneurial activity and entrepreneurial activity in the field of tourism, not only develop our country in the tourist direction, but also help not only to present Kazakhstan to the world, but also to raise the country's economy to a high position in the world market.

The proposed course is conducted in the form of training. The program is based on the skills of accounting in the preparation of a business project, project reasoning, taking into account the specifics of the field of activity, the availability of funds and registration of their own business, financial literacy for financial analysis and planning, business law in tourism.

**Justification:** To conduct financial analysis and planning in the organization of tourism business and entrepreneurship in order to develop tourism in modern market conditions, training of specialists-entrepreneurs with high financial literacy, who have business law in tourism, who are able to solve professional problems in business, who meet the requirements of employers and the needs of the labor market is aimed.

To prepare students for self-employment through the study of technology of entrepreneurial thought; providing the entrepreneur of the theoretical foundations of action plans; knowledge in pricing, cost reduction; expansion of theoretical knowledge of students on the organizational and legal foundations and types, typologies and structures of business activities in tourism; a study of the problems of enterprises and organizations in the tourism sector as subjects of market relations; setting a task to consider the features of creating, developing and improving small businesses in the field of tourism, special attention is paid to the formation of students as individual entrepreneurs.

The additional educational program «Entrepreneur of tourist business» allows you to expand the possibilities of working as an individual entrepreneur engaged in tourist business.

**Purpose:** In order to develop tourism in the country - providing a specialist active business entrepreneur for the tourism sector.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Entrepreneur of tourist business» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least - 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Basics of Business and Entrepreneurship in Tourism	In the discipline business and entrepreneurship are considered as activities that satisfy the economic interests of economic entities. The discipline issues of the students of the theoretical foundations of business and entrepreneurship, legal forms of business, familiarization with procedures required to open, reconstruction and liquidation of a business, formation of knowledge and practical skills in the basics of business and entrepreneurship.	- organizes business activities and plans business in the field of technology implementation of business ideas in the field of tourism; - has theoretical knowledge about the history of business development and the nature and forms of business development; - is able to apply the basic concepts and principles of business activity in solving specific economic situations and develop effective forms of business policy of the company; - is able to distinguish between the principles of

		entrepreneurial activity in the tourist industry and make a strategic plan for its development.
Finance and Financial Literacy in Tourism	The course provides comprehensive knowledge and practical skills in the field of financial theory of organizations, asset structure, sources of tourism financing, financial analysis, as well as the procedure for preparing a financial plan for an enterprise. It also discusses the development of professional skills in the rational use of financial tools for planning.	<ul style="list-style-type: none"> <li>- they can regulate the economy;</li> <li>- can work with the history of money, the concept of Finance, types of money, denomination, national currency of the Republic of Kazakhstan;</li> <li>- forming an idea of financial instruments, ways of storing money in Kazakhstan, the concept of the budget of the family and the state, the concept of the Bank;</li> <li>- knows the methods and techniques of financial services and consumers of financial services, banking, payment cards, deposits, loans, safe storage;</li> <li>- studies consumer protection measures in the financial sector.</li> </ul>
Business Law in Tourism	The discipline studies issues of business law in tourism in accordance with labor legislation and protection of the rights of specialists and service facilities. The discipline deals with the issues of legal regulation of tourism activities, insurance in tourism, knowledge of legislative acts and regulations on the regulation of tourist formalities, the rights and obligations of employees in the field of professional activity, the main acts and regulations governing business activities.	<ul style="list-style-type: none"> <li>- can solve partnerships in commercial transactions and tourism;</li> <li>- can manage the labor process in tourism;</li> <li>- studies the work of state regulation in the tourism industry;</li> <li>- considers the logic of the business decision and the business structure;</li> <li>- knows the subjects and legal decisions of business law;</li> <li>- holds sole and joint rights.</li> </ul>

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«CLOTHING DESIGN»**

**For whom it is intended:** Program (Minor) «Clothing design» is intended for students of all educational programs Major.

**Relevance:** the program is due to the tasks of developing the artistic abilities of students, which are put forward in the concept of modernizing art education. It emphasizes the importance of art education, the use of the cognitive and educational capabilities of objects of artistic and aesthetic orientation, which form students' creative abilities, a sense of beauty, aesthetic taste, morality.

**Justification:** «Clothing design» is a field of activity, the product of which is the world of objects. A person who is engaged in modeling and designing clothes strives to make the surrounding objects not only technically feasible, but also comfortable and beautiful. This process requires imagination, creative energy and original thinking, as well as good freehand and computer drawing skills. In connection with the development of an industrial method of manufacturing textiles and their mass consumption, the profession of a fashion designer is becoming more and more in demand. One of the areas of creative activity is clothing design - the art of creating a costume as a utilitarian thing and at the same time a work of art.

The additional program is aimed at familiarizing students and students with the basics of designing and modeling clothes and identifying gifted children in order to develop their creative potential. Also, the course «Clothing design» is focused on an in-depth study of the basics of design and can serve as a basis for career guidance and pre-profile work.

**Purpose:** identification of students' inclination to design activities;

- vocational guidance, assistance in the conscious and correct choice of the profile of further education

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Clothing design» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Design and modeling of clothes	The course provides for the formation of students' skills in the design and modeling of clothing, taking into account the modern trend of fashion. Students get acquainted with	<ul style="list-style-type: none"> <li>- the ability to choose your style of clothing, taking into account the characteristics of the figure.</li> <li>- development of spatial artistic</li> </ul>

	general information about clothing, with the classification of female and children's figures, with the size typology of the population, with the construction of drawings for waist and shoulder clothing, modeling techniques, as well as with methods for developing new designs and design features for children's clothing.	imagination, compositional solutions, a sense of color, harmony and contrast, a sense of proportion, rhythm, style, form. - possession of algorithms and methods for solving technical problems.
Technology of processing garments	The course is aimed at acquiring knowledge about the basic information and the procedure for making garments, methods of making hand stitches, machine stitches and seams, wet heat treatment of garments, methods of technological processing of knots and parts of garments. Schemes for assembling products of various assortments are given	- knows the peculiarities of making garments of various assortments and making clothes from various materials; - performs unit processing of garments and processing of products of various assortments; - analyzes the methods of processing garments; - makes up the technological sequence of processing garments;
Composition of a suit and graphics	the course provides theoretical and practical knowledge about the laws of costume composition, develops skills for creating volumetric-spatial forms, affects the development of students' creative thinking, prepares future specialists in the field of clothing design for joint work with costume designers	- analyzes and systematizes the preparatory material for the design of decorative and applied arts; - performs sketches and projects using various graphic tools and techniques; - independently makes color solutions of art and graphic designs of products in the material.

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
« SPEECH THERAPY MASSAGE »**

**For whom it is intended:** The program (Minor) "Speech therapy massage" is intended for students of all major educational programs.

**Relevance:** The demand for specialists in speech therapy massage in the modern socio-cultural situation in the country is a response to the social order associated with the development and maximum use of human resources in various fields of activity. Emerging trends in society offer the population a variety of practice-oriented speech therapy massage, the growing interest of Kazakhstanis in providing speech therapy services.

**Justification:** the program is to improve the level of existing students' competencies necessary for speech therapy massage for children with different speech disorders, and/or to form the competencies necessary for independent work in the field of providing speech therapy massage services to other specialists of different profiles working in the field of correctional care for children with special educational needs.

The program is aimed at training specialists in speech therapy massage familiar with modern technology speech therapy massage and skills for the implementation of educational and remedial process, taking into account psycho-physical, age-appropriate and individual needs of the children, knowing the laws and conditions of mental and physical development of children with special educational needs, their age and individual particularities of the diagnosis, able to plan and implement remedial and developing work with children speech disorders in terms of adaptation, socialization, rehabilitation.

**Purpose:** formation of knowledge and skills of speech therapy massage: normalization of muscle tone, overcoming Hypo-hypertonus in the facial and articulatory muscles; elimination of pathological symptoms; stimulation of positive kinesthesia; improvement of the quality of articulatory movements (accuracy, volume, switchability, etc.), etc.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Speech therapy massage» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Anatomy and physiology of speech organs in normal and pathological conditions	when studying the course, students form such knowledge as: the Structure of the speech apparatus: Central Department, peripheral. Structure of the brain. The structure of the head and neck. Skull bone. Bones of the face. The	- Applies knowledge and understanding of the mechanisms of speech disorders and identify patterns: the structure of the muscles of the speech apparatus, the state of the

	<p>muscles of the head. Chewing muscles and their main functions. Group of facial muscles, their functions. The muscles of the neck, their main functions. Work of the head and neck muscles. Blood supply to the head and neck muscles. Nerves of the head and neck. Anatomy and physiology of the articulatory apparatus. Oral cavity: vestibule, gums, teeth, hard palate. The muscles of the lips, cheeks, soft palate and pharynx and their functions, innervation. Language and its departments. Skeletal muscles of the tongue, their functions. Own muscles of the tongue, their functions. Innervation of the tongue muscles. Frenulum of tongue. Hyoid bone, muscle apparatus of the hyoid bone, its innervation. Salivary glands. Larynx. The muscles of the larynx, their functional characterization.</p>	<p>muscles in violations of innervation of the speech apparatus, mechanisms of occurrence and development of pathology of dysarthric speech disorders, the physiological effect of speech therapy massage on the state of articulation organs, hygienic requirements for organizing and conducting speech therapy massage.</p>
<p>Basics of speech therapy massage</p>	<p>the Essence and mechanism of action of massage. Speech therapy massage and justification of its use as one of the methods of correctional and pedagogical influence in a number of severe speech disorders. Physiological effect of massage. Indications and contra-indications to carrying out of logopedic massage. Goals and objectives of speech therapy massage. Types of speech therapy massage: classic, point-and their combination. Technology of examination of the structure and functioning of articulation organs: Oral survey of 7 apparatus. examination of masticatory-articulatory muscles, mimic-articulatory, tongue muscles, lip muscles, cheek muscles, soft palate muscles, neck muscles. Types of disorders of muscle tone of articulation organs. Characteristics of the state of muscle tone of articulation organs. Filling in the examination Protocol based on the results of diagnostics, forming a conclusion. Features of drawing up an individual program for correction of detected violations of muscle tone in children.</p>	<ul style="list-style-type: none"> <li>- Performs a differentiated choice of a complex of massage movements depending on the state of the muscles and the emotional state of each child suffering from speech pathology;</li> <li>- Has a deep knowledge of the main directions and content of the speech therapist's work in medical and rehabilitation institutions; is able to provide speech therapy assistance to people with complex speech disorders;</li> <li>- Understands the social significance of the speech therapist profession ethical and professional principles governing the activities of a speech therapist, the main laws, structures, methods and principles of speech therapy.</li> </ul>
<p>Methods of speech therapy massage</p>	<p>methods of speech therapy massage by E. A. Dyakova. The main poses of the massaged during speech therapy massage. Time of massage in the structure of speech therapy classes. Dosage and duration of the massage. Use of classical massage techniques: stroking, rubbing, kneading, vibration, pounding, tight pressing. Complex use of massage techniques. A complex of massage movements aimed at relaxing the muscles of the articulatory musculature. General recommendations for a relaxing massage. Technique of massage movements aimed at relaxing the muscles of the neck and shoulder girdle, facial muscles, chewing and facial muscles, lip muscles, tongue. Techniques of passive and passive-active gymnastics. A complex of massage</p>	<ul style="list-style-type: none"> <li>- Plans and implements correctional and developmental work with children with special educational needs, taking into account their age and individual;</li> <li>- Capable of rational choice and implementation of correctional educational programs based on personality-oriented and individually differentiated approaches to persons with SEN</li> </ul>

	movements aimed at strengthening the muscles of the articulatory musculature. Guidelines for conducting an activating massage. Technique of massage movements aimed at activating the muscles of the neck and shoulder girdle, facial muscles, chewing and facial muscles, lip muscles, tongue. Additional methods of influence. Techniques of passive and passive-active gymnastics. Self-massage techniques	
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**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«MUSICAL PERFORMANCE»**

**For whom it is intended:** Program (Minor) «Musical performance» it is intended for students of all Major educational programs with basic music education.

**Relevance:** Additional program Minor «Musical performance», responding to the needs of society, provides a real opportunity to train specialists who can realize themselves both in the academic music field and in education.

**Justification:** The program «Musical performance» is based on the work on the acquisition and improvement of performing skills and abilities that are inextricably linked with the comprehensive development of the student's personality, the expansion of artistic and General cultural horizons, the activation of creative and cognitive forces.

**Purpose:** The upbringing of professionally educated musicians with high performance skills, capable of revealing the artistic content of musical works with the help of appropriate means of musical expression.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «**MUSICAL PERFORMANCE**» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Performing Art (Piano, Accordion, Dombra, Vocal, Choral Conducting)	The course is aimed at educating professionally-educated musicians who possess high performance skills and are able to reveal the artistic content of musical works using appropriate means of musical expression. It forms the necessary skills of independent work on the pedagogical and concert repertoire, ready for practical, performing and pedagogical activities.	<ul style="list-style-type: none"> <li>- Understands the content of author's and editorial directions, as well as new performing tasks;</li> <li>- Knows the basic methods and techniques of work in the process of mastering a new work;</li> <li>- Knows the goals and objectives of the outline development of the repertoire;</li> <li>- Able to objectively assess his own performance and the performance of others;</li> <li>- Knows the main musical genres, their features;</li> <li>- Determines the degree of performing complexity of a new work in the process of its detailed analysis;</li> <li>- Knows how to compare different performing interpretations of the same piece.</li> </ul>
Musical interpretation	The discipline is focused on the development of professional and personal qualities of students, such as artistic and imaginative thinking, the development of means of musical expression, musical erudition. Based on the knowledge in the field of music theory and history, about the specifics of performing various musical styles and genres, the student, as a performer, learns to combine objective and subjective relationships in the process of interpretation, to make a complete artistic interpretation of a musical work.	<ul style="list-style-type: none"> <li>- Realizes the obviousness of the complex nature of the performing interpretation;</li> <li>- Able to apply in practice a complex of musicological, philosophical and aesthetic, art history knowledge, as well as elements of interdisciplinary discourse;</li> <li>- Possesses the technique of playing the instrument, allowing the best way to achieve an artistic result;</li> <li>- Perceives style as a problematic field of performing interpretation;</li> <li>- Understands stylistic aspects of technique (vertical and horizontal parameters: harmony, polyphony, strokes, weight control, "breathing", orchestrality;</li> <li>- Knows the main tools of interpretation (intonation, metro rhythm and agogy, sound image and articulation);</li> <li>- Able to see not only matter, decomposed into</li> </ul>

		elements, but also determines the way of their connection into the continuously developing tissue of a musical work; - Knows how to compare different performing interpretations.
Reading scores	The course is aimed at acquiring the skills of free reading of scores, familiarity with the techniques of orchestral writing, with the features of the functional structure of scores of various styles. The discipline develops internal pitch and timbre hearing, a process of mental perception of music recorded as a score, used as a definition of horizontal-vertical coverage of an entire page of text.	- knows the main styles in music; - knows the most prominent representatives of these styles and their compositions in the genre of choral music; - knows the peculiarities of choral and orchestral compositions; - understands the structure of the score; - analyzes the musical text from the point of view of the vertical and horizontal ratio of voices; - possesses the skills of reading various keys, special score notation; - knows how to convey on the piano the peculiarities of the choral sound (caesura associated with vocal-choral breathing and the phrase of the text, the emphasis of the bass voice, the emphasis of voices, according to their tessitura tension, etc.).

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«ENTREPRENEURSHIP AND BUSINESS ORGANIZATION» (BUSINESS COACH)**

**For whom it is intended:** Program (Minor) "Entrepreneurship and business organization" (Business coach) it is intended for students of all Major educational programs.

**Relevance:** Minor program "entrepreneurship and business" (Business coach) " is due to the fact that people are capable of entrepreneurial thinking, adapt to life faster than others, and have better entrepreneurial thinking and skills than others.

**Justification:** Mastering this program will allow students to get an additional field of activity, as entrepreneurship has become a natural part of the economy of Kazakhstan. Studying the basics of entrepreneurship, students should not only understand how the world of entrepreneurship works, but also learn how to successfully operate in this world. Success in the field of business depends on many factors. One of the prerequisites for achieving high performance in business is to obtain the necessary knowledge about the forms and methods of doing business. For this purpose, an additional program "Entrepreneurship and business organization" (Business coach) has been developed.

**Purpose:** mastering the basics of entrepreneurial activity, its content, significance and place in socio-economic processes.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) "Entrepreneurship and business organization" (Business coach) does not require prerequisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Fundamentals of entrepreneurship	Entrepreneurship in the economy should be considered as the most important factor in accelerating socio-economic development. Initiative, risk, knowledge and skills of entrepreneurs allow you to use all economic resources with maximum efficiency and stimulate economic growth. The formation of entrepreneurial thinking is one of the essential conditions for training qualified specialists. The object of study of the discipline is the process of organizing business activities, including the theory and practice of entrepreneurship and business.	- Knows the basic concepts and theoretical approaches to defining entrepreneurship. - Understands the process of developing an entrepreneurial project. - Knows the sources of finding ideas for his entrepreneurial project. - Is Able to use sources of entrepreneurial ideas and opportunities.
Business planning	This discipline includes theoretical aspects of modern business planning and practical	- Have knowledge in the field of business planning and implementation of entrepreneurial

	recommendations for the methodology of drawing up various types of business plans, as well as separate sections of both standard and special business plans (drawn up for specific purposes).	ideas. - Apply the acquired knowledge in practice in the business planning system. - It is Reasoned and logical to prove your own position in the field of implementation of business ideas in practice. - Collect and interpret quantitative and qualitative parameters and indicators of the business planning process. - Acquire the skills of independent collection, analysis and development of business projects in the current economic conditions of the Republic of Kazakhstan.
Financial risks in business activities	When studying this discipline, the student will know the place and role of risks in economic activity, the definition and economic essence of risks. The purpose of the course is to get a clear statement of the main provisions of the theory of entrepreneurial risk and their use in practice. The course is designed to provide students with knowledge of the basics of the theory of entrepreneurship and entrepreneurial risks, methods of quantitative risk assessment in managerial decision-making, methods of risk prevention and reduction.	- Know the place and role of risks in economic activity, definitions and economic essence of risks. - Be Able to apply theoretical provisions and basic mathematical methods for assessing and analyzing economic risks. - Be able to navigate the causes and extent of business risks. - Uses risk management techniques to prepare and make decisions in an environment of uncertainty and risk. - Master the methods of quantitative and qualitative analysis of business risks.

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«TUTOR IN EDUCATIONAL ORGANIZATIONS»**

**For whom it is intended:** The program (Minor) " Tutor in educational institutions " is intended for students of all major educational programs.

**Relevance:** In General, currently in education, the tutor model provides for effective socialization of the child in society, including his education. A tutor helps a special child adapt to learning in a shared classroom. Therefore, in modern socio-cultural conditions in the country, the need for Tutors in education is increasing, and interest in the profession is growing.

**Justification:** In the context of modernization of education, there is a need to form an individual educational trajectory of the student. This requires teachers to have a tutor's competence. In the process of mastering the program, students acquire the skills and abilities to assist in planning and implementing an individual educational program of the tutor, organizing the educational environment and ensuring the rational use of resources for the implementation of the individual educational trajectory of the student.

The educational program is developed taking into account modern domestic and international experience in this area of training, author's and collective scientific achievements and educational guidelines in the field of specialization, employer requirements and labor market needs. It is aimed at training a specialist tutor in educational organizations who are able to plan and implement work on adaptation to the social environment, taking into account personal qualities, age characteristics of children with special educational needs, interpersonal relationships and mutual understanding, practical aspects of communication and communication features, factors that generate effective interaction with them, defending their rights.

**Purpose:** objectives: pedagogical education, social work, interinstitutional assessment, psychological correction, social and pedagogical counseling.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Tutor in educational institutions» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Integrated correctional and developmental education for children with disabilities in General education institutions	Brief description of the discipline: Studies theoretical aspects of co-education of children with disabilities and their normally developing peers in General education institutions, the regulatory	- Applies new teaching methods and technologies within the framework of inclusive education and updated educational content .

	<p>framework for inclusive education in the Republic of Kazakhstan. It is aimed at developing the ability to create a correctional and developmental environment in a General education organization for the development and formation of children with special educational needs.</p> <p>The content of the discipline includes: the concept of Integration and integration education. The leading principles of the organization of integration of education. Goals, objectives and basic models of integration education. The main options (forms) of integration education and upbringing of children with special educational needs and normally developing children. Organization of integrated education in General education institutions. The main types of correctional classes and their social and pedagogical activities. Technologies of correctional and pedagogical work in the conditions of integration education. Organization of psychological, medical and pedagogical support for children and adolescents with special educational needs in the context of integration education. Functions of the pmpk-Council in the organization of integration education</p>	<ul style="list-style-type: none"> <li>- Analyzes the compliance of the educational process with hygienic requirements.</li> <li>- Organizes the educational process in the context of the updated content of education, taking into account the physiological and functional features of the development processes, individual educational needs of children and students in the framework of inclusive education.</li> </ul>
<p>Psycho-pedagogical correction in the conditions of inclusive education</p>	<p>Studies psychological and pedagogical patterns and principles of training, development and socialization of persons with disabilities; teaching methods and features of developing individual educational routes for the development of children with special educational needs of the necessary labor and educational skills. It is aimed at developing teachers ' readiness to work with children with special educational needs in an inclusive education environment.</p> <p>The content of the discipline includes: laws and principles of psychological and pedagogical correction in inclusive education. Special methods, techniques, and training tools. Diagnostics of child development (mental, personal, social). Programs of individual and group classes of correctional and developmental orientation. Requirements for the capabilities and level of learning and development of the child in the educational environment. Organization of early correction of children's developmental disorders. Work on psychological support of educational and educational programs. Psychological and pedagogical monitoring.</p>	<ul style="list-style-type: none"> <li>- Knows the methods of organizing educational work, anatomical and physiological features of the body and individual educational needs of children and students.</li> <li>- Applies new teaching methods and technologies within the framework of inclusive education and updated educational content .</li> <li>- Analyzes the compliance of the educational process with hygienic requirements.</li> </ul>
<p>Tutor support for children with SEN in inclusive education</p>	<p>introduces the basic rules of organization and management of inclusive processes in education, forms an idea of the system of inclusive education as part of General and special education. Studies the directions of the tutor's activity in the system of inclusive education practice, goals, tasks and technologies of the tutor's activity, stages of organizing tutor children with disabilities.</p> <p>The content of the discipline includes: eight principles of inclusive education. Tutor's activity. Goals and objectives of the tutor's work. Status of children with disabilities. Types of tutor support for children with disabilities. Main stages of individual support. Maintaining documentation for the successful work of the tutor. Organization of tutor support.</p>	<ul style="list-style-type: none"> <li>- Knows the methods of organizing educational work, anatomical and physiological features of the body and individual educational needs of children and students.</li> <li>- Analyzes the compliance of the educational process with hygienic requirements.</li> <li>- Organizes the educational process in the context of the updated content of education, taking into account the physiological and functional features of the development processes, individual educational needs of children and students in the framework of inclusive education.</li> </ul>

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«CONSULTANT-COMMUNICATOR»**

**For whom it is intended:** The program (Minor) «Consultant-Communicator» is intended for students of all major educational programs.

**Relevance:** The program (Minor) "Consultant-Communicator" is necessary for the adaptation of citizens to social changes and the formation of social responsibility in society.

**Justification:** Social changes in modern social relations, the demand for new requirements of market relations, led to the formation of the labor market in a new format. These are market requirements that must be met on the basis of professional qualifications, know new forms and areas of work with the population and social groups, and implement them.

When meeting these needs, the "Consultant-Communicator" must be a professional who has ready-made competencies for all the requirements of the existing socio-economic policy and public relations.

For high-quality conduct of professional activities in accordance with the requirements of professional standards, the Department of Social and humanitarian disciplines of Kaznatszhenpu has developed a Minor program "Consultant-Communicator" for an additional program.

**Purpose:** Formation of a Manager-consultant who is prone to social changes and is able to implement social partnership.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Consultant-Communicator» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Theory of social communication	The course introduces the following concepts: social communication, evolution of social communications, communicative activities, social memory, social information. Students improve their knowledge and application of information and communication technologies. They study the achievements of the global information civilization.	<ul style="list-style-type: none"> <li>- Applies theoretical knowledge of the social and pedagogical sphere in professional activities.</li> <li>- Applies modern social work technologies to solve social problems, organize social services and provide social assistance</li> <li>- Has the skills of language communication in English in a professional and academic environment.</li> </ul>
Basis of Advisory activities	The course explains to students the essence of consulting activities, the system of functioning, and the importance of social work. The course builds students' decision-making skills, systems thinking, and analytical analysis. Adapts tolerance to professional competence.	<ul style="list-style-type: none"> <li>- Understands the content, role of life and social values, morals and ethics of behavior in social work;</li> <li>- Has the skills to carry out Advisory activities in compliance with socio-cultural and professional-ethical requirements.</li> <li>- Able to solve problems of socio-cultural development of society and to work with various groups of the population</li> </ul>
Virtual reality communication	The course introduces students to the phenomenon of virtual reality. They study the concepts of "Virtualistics", communication space, and virtual space. They discuss the problems of globalization and the Ethics of virtual reality communication. Develops analytical skills for working in social networks and features of virtual reality	<ul style="list-style-type: none"> <li>- Applies modern technologies of social work in solving social problems, organizing social services and providing social assistance.</li> <li>- Applies methods of mathematical analysis, modeling and experiments in the study of the level of social support for citizens.</li> <li>- Has language communication skills in English in a professional and academic environment.</li> </ul>

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
"MANAGER-ANALYST"**

**For whom it is intended:** The program (Minor) "Manager-analyst" is intended for students of all major educational programs.

**Relevance:** Within the framework of this minor, students who study outside of managerial (non-managerial) training are offered training in specific disciplines in order to carry out management activities with analytical research in an accessible form. In addition, students on the management basis of business work receive an assessment of management decisions and responsibility for their implementation, based on data from planning, regulatory, technological, accounting, analytical, future development planning and internal reporting using special methods.

**Justification:** The student under the educational program masters the skills of organizing and conducting management research and is able to apply it in practice. Within the framework of the program, students are provided with knowledge on legal management methods of the Republic of Kazakhstan, organization of market management methods (accounting, analysis, forecasting, planning, personnel management) within the specified disciplines. Based on the acquired knowledge, it prepares reports on the implementation of the development plan in various areas of professional activity, advises, and evaluates information. In business activities, a professionally competent specialist is trained who is able to provide planning for future development through management accounting and analysis methods when making the right decisions. While studying under this program, a student can work as a specialist-Manager-analyst. Students who study outside of management education have the opportunity to choose and study this program, get acquainted with management activities at all large enterprises and analyze social processes. In any organization, when managing people, they understand that organization plays an important role. Organizational culture, personnel management, performance evaluation, and consulting will have advantages.

**Purpose:** The program provides training for students in the aspect of management and analysis. Training and qualification of a specialist Manager-analyst in an additional program of new quality, competitive, adapted to the consumer market, motivated to professional growth in demand in the labor market;

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Manager-analyst» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Preparation and submission of an expert report	the ability to apply knowledge of the theory and methodology of sociology and skills in using methods of sociological research to solve professional problems, methods of sociological research, in particular application situations, features of the organization and conduct of the main types of expert survey, methods of processing and interpretation of expert information.	- able to process and analyze data to prepare expert decisions, opinions, and suggestions;
Comparative sociology	to reveal the problems of comparative sociology as an emerging branch of scientific knowledge, to present sociological theories and concepts of management; to introduce students to sociological methods of analysis of management problems; to show the specifics of social relations in the management process; to give skills of sociological analysis of management processes.	- uses knowledge and practical skills in management activities and-effectively use sociological methods of collecting social information to develop management tasks;
Management	this course examines the theoretical foundations and applied aspects of managing the activities of economic entities in the market, taking into account the peculiarities of the economy of Kazakhstan. In the process of studying, attention is paid to modern management concepts and methods that are necessary for solving specific tasks. The training process in the discipline provides for practical training on a PC using modern application software packages focused on application in the field of activity management.	- makes effective decisions using a system of management methods;

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«STEM EDUCATION IN PRIMARY SCHOOL»**

**For whom it is intended:** Program (Minor) «STEM education in primary school» is intended for students of all Major educational programs.

**Relevance:** of the Minor program «STEM education in primary school» is due to the growing interest in STEM subjects in primary schools that contribute to the development of 21st-century skills.

**Justification:** In the modern world, in order to be competitive with specialists in the field of education, it is necessary to have formed additional competencies. STEM education allows you to use scientific methods, technical applications, mathematical modeling, engineering design, which leads to the formation of innovative thinking of students. STEM is an integrated practice-oriented learning approach that will allow graduates to master the skills of design and robotics, programming, modeling, and 3D design.

**Purpose:** to develop the competencies of future primary school teachers for the implementation of additional system education for younger students.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. Program (Minor) «STEM education in primary school» does not require prerequisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Programme content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Workshop on creating multimedia products	Multimedia technologies. Design of multimedia objects. Processing multimedia information. Approaches to the use of information technologies in creating multimedia objects. Tools for creating and modifying multimedia objects. Electronic and informational resources with text and visual information, audio and video information, and combined information. Working in a remote educational environment.	<ul style="list-style-type: none"> <li>- Mastering the main characteristics of scientific multimedia objects by students.</li> <li>- Possession of practical skills in the use of multimedia technologies, design of multimedia objects.</li> <li>- Demonstration of multimedia information processing skills, skills of working in a remote educational environment using various platforms.</li> </ul>
Theory and methods of teaching robotics in primary schools	study of basic terms and concepts in the field of robotics, the basic laws of robotics. Introduction to the basics of algorithm development when creating robotic structures. Construction and programming of robots. Features of methods of teaching robotics in primary schools. Principles, methods, techniques, and forms of work.	<ul style="list-style-type: none"> <li>- Mastering the knowledge of basic terms and concepts in the field of robotics, the basic laws of robotics.</li> <li>- Knowledge of the basics of algorithm development when creating robotic structures.</li> <li>- Demonstration of robot design and programming skills.</li> </ul> Proficiency in teaching robotics in elementary schools
Formation of functional literacy of primary school children	Conditions for the development of functional literacy of schoolchildren. Ways to improve the quality of education in subjects. Study and analysis of scientific and methodological literature on the development of functional literacy of schoolchildren. Development of a set of tasks for primary school students on the formation of functional literacy in relation to the subjects studied. Formation of key competencies of schoolchildren through the development and use of new productive technologies, including ICT.	<ul style="list-style-type: none"> <li>- Understanding the conditions for the development of functional literacy of schoolchildren.</li> <li>- Analysis of scientific and methodological literature on the development of functional literacy of schoolchildren.</li> <li>- Mastery of the skill of developing a set of tasks for younger students on the formation of functional literacy in relation to the subjects studied (mathematics, language subjects, science, etc.).</li> <li>- Demonstration of the skill of selecting teaching methods for younger students through the development and use of new productive technologies.</li> </ul>

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«FUNDAMENTALS OF CHILDREN'S PRACTICAL CLINICAL PSYCHOLOGY»**

**For whom it is intended:** Program (Minor) «Fundamentals of Children's Practical Clinical Psychology» is intended for students of all educational programs of the Major.

**Relevance:** Minor program "Fundamentals of Children's Practical Clinical Psychology" will expand the opportunities for further employment by acquiring additional skills to carry out practical and research activities in institutions of various types to harmonize mental development, health care, prevention and overcoming of ailments, psychological rehabilitation of the individual

**Justification:** The demand for the profession of a teacher-psychologist in the modern sociocultural situation of Kazakhstan is a response to the social order associated with the development and maximum use of human resources in various activities. Developing trends in society suggest various types of practice-oriented psychological assistance to the population, the interest of Kazakhstanis in the issue of providing psychological services is growing. The program is aimed at preparing the basis of children's practical clinical psychology, who own modern technologies in the field of design, diagnostics, forecasting, development of organizations, personnel selection, optimization of the socio-psychological climate of the team, provision of consulting services and psychological assistance to individuals and the population in conditions of adaptation, socialization, rehabilitation.

**Purpose:** Mastering the psychological aspects of working with children and adolescents.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Fundamentals of Children's Practical Clinical Psychology» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Practical clinical psychology of children and adolescents	Subject, tasks of modern clinical psychology of children and adolescents, especially the study of its problems. Pathopsychology, types of mental development disorders. The doctrine of mental trauma. Neuropsychiatric diseases: neurotic disorders, depression, psychosis, psychosomatic diseases. Theory and practice of clinical psychology of children and adolescents. Psychodiagnostics in clinical psychology. Psychocorrection of various pathologies.	<ul style="list-style-type: none"> <li>- Has the skills to select and apply the necessary technologies to solve pedagogical and psychological problems of teaching and upbringing in the design of the educational process.</li> <li>- Has deep professional knowledge and understanding of the studied field of pedagogy and psychology.</li> <li>- Analyzes and evaluates situations in various areas of interpersonal, social and professional spheres, taking into account the knowledge of pedagogy and psychology.</li> </ul>
Fundamentals of suicidology	Introduction to suicidology. Background. Typology of suicides. Characteristics of those who commit suicide. Risk factor. Warning sign. Therapeutic conversation in pre-suicide. Conversation after a suicide attempt (post-suicide). Methods aimed at working with the crisis state of the individual. Revision of values. The reformation of negative beliefs. Search for internal and external resources. Medical and psychological cooperation.	<ul style="list-style-type: none"> <li>- Provides psychological assistance in optimizing the pedagogical process in correctional educational institutions.</li> <li>- Owns a scientific research procedure for experimental research work in the field of deviantology, extreme and crisis psychology, prevention of suicidal behavior of schoolchildren.</li> <li>- Plans psychoprophylactic work aimed at preventing any possible trouble and ensuring the safety of mental and psychological health of the individual.</li> </ul>
Psychotherapeutic areas of work with children and adolescents	Psychotherapeutic directions in working with children and adolescents: physical culture-oriented psychotherapy; family psychotherapy by E. Bern, transactional analysis; transpersonal psychotherapy; psychodrama; art therapy; game therapy. Rational psychotherapy. Basic principles and goals of dance therapy. Art therapy.	<ul style="list-style-type: none"> <li>- Has the skills to select and apply the necessary technologies to solve pedagogical and psychological problems of teaching and upbringing in the design of the educational process.</li> <li>- Has deep professional knowledge and understanding of the studied field of pedagogy and psychology.</li> <li>- Plans psychoprophylactic work aimed at preventing any possible trouble and</li> </ul>

		<p>ensuring the safety of mental and psychological health of the individual.</p> <ul style="list-style-type: none"> <li>- Analyzes and evaluates situations in various areas of interpersonal, social and professional spheres, taking into account the knowledge of pedagogy and psychology.</li> </ul>
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**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
" FUNDAMENTALS OF CLINICAL PSYCHOLOGY"**

**For whom it is intended:** Program (Minor) «Fundamentals of Clinical Psychology» is intended for students of all educational programs of the Major.

**Relevance:** Minor program "Fundamentals of clinical psychology". Clinical psychology is currently one of the most common psychological specializations in the world. Clinical psychology is one of the most prestigious and promising professions in the XXI century according to Forbes and Money magazines <https://moeobrazovanie.ru> "professions\_klinicheskiy\_psiholog". The social significance of clinical psychology is also reflected in the fact that about 60% of Psychological associations in various countries of the world are clinical psychologists. This led to the choice of specialization: "Fundamentals of clinical psychology".

**Justification:** Fundamentals of clinical psychology is a broad specialization that allows a specialist to carry out practical and scientific research activities aimed at improving mental resources and adaptive capabilities of a person, at harmonizing mental development, health protection, prevention and overcoming illnesses, and psychological rehabilitation. One of the leading and most intensively developing areas of modern psychology.

While mastering fundamental General psychological and clinical psychological disciplines, students are introduced to applied subjects dedicated to special aspects of their future profession. Special attention is paid to teaching various diagnostic methods and techniques of psychological influence. An important element of training is special workshops that are held directly on the basis of various medical and educational institutions

**Purpose:** Training of specialists-clinical psychologists to solve complex problems in the field of education, health care, and psychological assistance to the population.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Fundamentals of Clinical Psychology» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Psychological aspects of suicidal behavior / Pathopsychology	<p><b>The content of the discipline includes:</b> Introduction to suicidology. Typology of suicides. Characteristics of those who commit suicide. Classification of suicidal behavior. Features of suicidal behavior in children and adolescents. Assessment of the probability of suicide. The therapeutic conversation in presitige. Talk on the phone in presitige. Conversation after a suicide attempt (post-suicide). Methods that reduce the level of aggression, negative emotional and traumatic experiences. Methods aimed at working with the crisis state of the individual. The re-formation of negative beliefs. Search for internal and external resources. Techniques that activate resource States. Prevention of repeated suicides. Social unity and personal self-determination. Working with the family of a suicidal person. Medical and psychological cooperation.\ The course content includes: Subject of pathopsychology; practical tasks</p>	<ul style="list-style-type: none"> <li>- Projects programs of psychological assistance to victims of crisis/emergency situations, persons with deviant behavior, taking into account their socio-psychological characteristics.</li> <li>- Develops a plan of psychoprophylactic work to ensure the safety of mental and psychological health of the individual.</li> <li>Performs clinical and psychological diagnostics, psychotherapy and intervention for prevention, treatment, rehabilitation and development using modern information technologies in professional activities.</li> <li>- Simulates the psychological support of a person in various activities, taking into account the current social situation.</li> <li>- Understands the social significance of the profession of psychologist, responsibly and efficiently performs professional tasks, observing the principles of professional ethics.</li> </ul>

	<p>and actual problems of pathopsychology; methods of pathopsychological diagnostics; violation of consciousness: pathology of perception; memory disorders; thinking; speech, mental performance; anomalies of the emotional and personal sphere; the value and prospects of development of pathopsychology.</p>	
<p>Modern cognitive behavioral psychotherapy Fundamentals of psychosomatics/</p>	<p>The course content includes: Cognitive-behavioral worldview. Rational-emotional therapy of A. Ellis. A. Beck's cognitive therapy. Cognitive model of vocational counselling of D. Krumboltz. Cognitive-behavioral therapy D. Nicebaby. V. Glasser's reality therapy. Group behavioral and cognitive psychotherapy. Behavioral and cognitive psychotherapy in working with children and adolescents.\ Psychosomatics as an area of interdisciplinary research of psychosomatic problems. The story of psychosomatic medicine: philosophical and medical background of the development of psychosomatic medicine. Specific and non-specific approaches to understanding the nature of psychosomatic disorders. Modern ideas about the subject of psychological study in psychosomatics. Problem of the research method. Main problems of psychology in psychosomatics: the role of early ontogenesis in the occurrence of psychosomatic disorders; nosognosia and psychosomatic disorders; the problem of the internal picture of the disease; psychosomatic disorders in the personal context; the problem of psychosomatic self-regulation. The significance of psychosomatics for General and clinical psychology.</p>	<ul style="list-style-type: none"> <li>- Projects programs of psychological assistance to victims of crisis/emergency situations, persons with deviant behavior, taking into account their socio-psychological characteristics.</li> <li>- Develops a plan of psychoprophylactic work to ensure the safety of mental and psychological health of the individual.</li> <li>- Performs clinical and psychological diagnostics, psychotherapy and intervention for prevention, treatment, rehabilitation and development using modern information technologies in professional activities.</li> <li>- Simulates the psychological support of a person in various activities, taking into account the current social situation.</li> <li>- Understands the social significance of the profession of psychologist, responsibly and efficiently performs professional tasks, observing the principles of professional ethics.</li> </ul>
<p>Methods of pathopsychological diagnostics / Neuropsychology</p>	<p>The course content includes. The problem of clinical and psychological research: approaches to solving in foreign and domestic areas. Theoretical and methodological foundations of pathopsychological diagnostics. General questions of conducting pathopsychological research with subjects of different ages. Principles of qualitative analysis in pathopsychological research. Formation of a strategy for pathopsychological research. Methods of observation and conversation at different stages of pathopsychological research. Maintaining the Protocol of pathopsychological research. Methods of pathopsychological research: procedure, methods and parameters of data interpretation. Writing a pathopsychological conclusion: purpose and main points.\ The course content includes: Neuropsychological</p>	<ul style="list-style-type: none"> <li>- Projects programs of psychological assistance to victims of crisis/emergency situations, persons with deviant behavior, taking into account their socio-psychological characteristics.</li> <li>- Develops a plan of psychoprophylactic work to ensure the safety of mental and psychological health of the individual.</li> <li>- Performs clinical and psychological diagnostics, psychotherapy and intervention for prevention, treatment, rehabilitation and development using modern information technologies in professional activities.</li> <li>- Simulates the psychological support of a person in various activities, taking into account the current social situation.</li> <li>- Understands the social significance of the profession of psychologist, responsibly and efficiently performs professional tasks, observing the principles of professional ethics.</li> </ul>

	<p>symptoms; neuropsychological syndromes; neuropsychological factors; clinical neuropsychological diagnostics of States of higher mental functions; computer methods of neuropsychological diagnostics; cortical neuropsychological syndromes associated with local lesions of the cerebral cortex; subcortical neuropsychological syndromes that occur when deep brain structures are affected; features of neuropsychological syndromes associated with the defeat of brain-wide factors that ensure the functioning of the brain as a whole; prospects for the development of neuropsychology.</p>	
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**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«TECHNOLOGIST OF AUTOMATED LIBRARY AND INFORMATION SYSTEMS»**

**For whom it is intended:** Additional educational program (MINOR) «Technologist Of Automated Library And Information Systems» is intended for students of all major educational programs.

**Relevance:** As part of the additional educational program «Technologist of automated library and information systems» (Minor), students are invited to study programs for the design, construction, implementation of automated library and information systems, the development of electronic information resources with professional competencies. Reveals the role of automation of the library system, its relationship with library science and bibliography, technology and system nature of information processes. General information about the principles of programming languages for automating the processes of algorithmization and sorting and searching information on the basis of the library fund is given.

**Justification:** Informatization of the library system of the republic of kazakhstan is one of the main directions of the country's development strategy, since the xxi century is the century of universal informatization. Since librarianship is one of the most important areas of the global expansion of the information field today, the developed educational program has an additional program (Minor): «Technologist Of Automated Library And Information Systems», the main task of which is to prepare a future library specialist adapted to the conditions of general informatization of society, intensification of the introduction of new information technologies, digitalization of library activities. In order to master the additional educational program «Technologist Of Automated Library And Information Systems» in large libraries, it is necessary to have the skills to work with automated library and information systems and develop various electronic information resources, use modern library and information technologies and resources.

**Purpose:** Reveals the role of automation of the library system, its relationship with librarianship and bibliography, technology and system nature of information processes. In the course of the program, information resources and features of their use, technologies of automated library and information processes, information security, formation of technology for the development and use of automated information systems are considered.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Technologist Of Automated Library And Information Systems» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Web programs	The course will cover hypertext markup tools, programming languages, and additional issues that can be addressed in the development of modern client and web applications. Analyzes theoretical knowledge, practical skills and skills necessary for the development of Web pages and applications. Compares the principles of organizing Web programming, Internet services, and information processing characteristics.	-possession of theoretical knowledge necessary for the development of Internet pages and applications; -ability to compare the principles of Web programming, Internet services and information processing characteristics; -the ability to creatively create a program using educational materials and systematize the creation of a website and text markup using HTML and / or the extended XML markup language;

		-be able to apply specific laws and principles to given tasks, demonstrate the ability to make choices and make decisions, and form your own individual approach to Web programming issues.
Multimedia technologies	This course covers modern multimedia tools and their application environment, pointing systems used in windows and other systems, the basics of creating multimedia projects, managing a cd-rom device, windows media, the macromedia flash 8 package, a reference book for the microsoft windows media player. the student develops skills of working on a personal computer, skills of working with information management tools.	-formation of skills for working with information management tools; -mastering the methods of using software tools to create an electronic textbook; -working with multimedia tools, clips, technologies for creating audio scenes; -development of work with a special program of Internet technologies.
Library and information technology	Be able to analyze library and bibliographic processes, know the meaning and specific features of information and library activities. the discipline is aimed at mastering the main information processes associated with the accumulation, processing of information based on the use of modern computer technology and new technologies, familiarization with the main trends and prospects for the development of automated library and information systems and information systems.	-be able to analyze Library and bibliographic processes, know the meaning and specific features of information and library activities; -increasing the level of development in the introduction of new information technologies in the practice of all libraries of the Republic of Kazakhstan; -coordination of work on maintaining bibliographic databases and electronic catalog databases

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«HUMAN RESOURCE MANAGEMENT»**

**For whom it is intended:** Program (Minor) « Human resource management» it is intended for students of all Major educational programs.

**Relevance:** An additional trajectory provides training from the point of view of legal issues of management, the purpose of which is to form students ' basic legal knowledge and certain practical skills in the field of theory and practice of human resource management, allowing them to form the ability to make personnel decisions focused on the consumer market, aimed at professional growth in accordance with the demand in the labor market.

**Justification:** When forming the EP, the emphasis was placed on students ' mastering a wider range of applied and academic competencies through familiarization with various areas of historical knowledge, methods and approaches practiced in various historical disciplines. Students are provided with additional education Minor "Human Resource Management".

- forming an idea of legal forms of management;
- study of the legislation of the Republic of Kazakhstan concerning labor relations;
- mastering the issues of concluding legal contracts, employment contracts in organizations;
- training in human resource management and preparation of internal regulations;
- training in personnel management in accordance with labor legislation.

**Purpose:** the purpose of this program is to develop students ' basic legal knowledge and certain practical skills in the field of theory and practice of human resource management.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Human resource management» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Civil right	show the history of civil law, sources of civil law. Subject of civil law. Objects of civil rights. Classification of civil rights objects. Property as an object of civil rights. The legal regime of immovable property in force of nature. Legal	- Demonstrate tolerant education of social, ethnic, religious and cultural differences, show communicativeness, leadership and creativity; - Form your own view of historical events

	status of real estate by force of law. Civil legal relationship. Methods of civil law regulation. Participants in relations regulated by civil law	and phenomena in the context of world history on the basis of critical analysis; - Assess the socio-political and economic role of Kazakhstan in the world community based on a phased study of the history of the state.
Personnel management	The discipline is aimed at studying: the principles of development and regularities of the organization's functioning, the main processes of the organization, the principles of goal setting, types and methods of organizational planning. Communication in oral and written form in a multilingual environment; Argue your own view of historical events and phenomena in the context of world history based on critical analysis; Apply research methods, use the skills of computer processing of historical information;	– Demonstrate tolerant education of social, ethnic, religious and cultural differences, show communicativeness, leadership and creativity; - Assess the socio-political and economic role of Kazakhstan in the world community based on a phased study of the history of the state.
Labor law of the Republic of Kazakhstan	subject and method of labor law. Development and place of labor law in the system of branches of law. Sources of labor law, their characteristic features. Unity and differentiation of labor law. Subjects of labor law, their classification. Legal relations in the field of labor law. Social partnership. Employment contract. Working hours. Rest time. Termination of the employment contract. Disciplinary and material liability in labor law. Labour dispute. International legal regulation of labor relations.	– Demonstrate tolerant education of social, ethnic, religious and cultural differences, show communicativeness, leadership and creativity; - Assess the socio-political and economic role of Kazakhstan in the world community based on a phased study of the history of the state.

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«TOUR- GUIDE»**

**For whom it is intended:** The program (Minor) "Tour -guide" is intended for students of all major educational programs.

**Relevance:** Modernization of national values is the main requirement of globalization. The main goal of the program for the modernization of public consciousness, which is widely carried out in the country, is to preserve our national identity and revive our national history. Therefore, in order to familiarize the public with the forgotten historical values of the population and assist in the formation of national identity, the Department of History has developed a program of additional education (Minor) Tour guide.

**Justification:** The guide introduces travelers to the sights. It will work with specially arrived travelers or tourist groups.

The guide is an integral part of the guide's work, and also conducts a tour along a certain route or object, leads a tour group, and can tell interesting and useful information throughout most of the trip. That is why it is called a tour guide.

**Purpose:** A graduate who wants to become a guide must know not only the history of one region, but also the archaeological and historical development of Kazakhstan, The great silk road, geography, historical monuments, and the country's culture (Ethnography, art, culture, and traditions). Therefore, graduates of the historical profile can be not only historians, but also guides. A student of history has a great opportunity to work in this field, as he studied local history, Ethnology, cultural studies, museums, historical periods of the history of Kazakhstan and world history. In addition, the guide profession requires constant growth in work, but requires a lot of responsibility.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Tour -guide» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Historical monuments of Kazakhstan	Historical monuments that contain the spirit of our ancestors occupy a large place in our culture. The preservation and restoration of	To analyze the historical basis and periods of formation of independent

	historical monuments for the future generation is our main task. In the process of studying the discipline, the systematization of cultural monuments, a scientific analysis of their moral and educational opportunities and education for humanity will be carried out. Historical monuments - the foundations of the Turkic civilization. And cultural and historical monuments are a hormonal complex of mind, thoughts and way of life. Explain cultural and historical monuments in terms of humanity, knowledge and education of the next generation.	Kazakh statehood in the context of the world and Eurasian historical process; Critically evaluates and interprets issues, events, ideas, and theories from different periods of history; Predicts the future development of history based on knowledge and analysis of historical events;
Excursion studies	The " Excursion studies " course occupies a special place in the Tour guide complex. Excursion and travel companies are engaged in excursion activities that perform the functions of training, education and thinking. Therefore, guides must be fully informed about the tour technique, preparation, field, and forms of control over the employees participating in the tour	To analyze the historical basis and periods of formation of independent Kazakh statehood in the context of the world and Eurasian historical process; Critically evaluates and interprets issues, events, ideas, and theories from different periods of history; Predicts the future development of history based on knowledge and analysis of historical events;
Excursion services in the museum	The subject of excursions in museums is to study the features of the museum, the techniques of work in the museum, as well as measures that need to be taken to study certain subjects. Initially, excursions were organized to study the history, economy and history of the country. Now this is an intellectual event requiring spiritual costs. A feature of the museum is that its main activity is the presence of monuments of material and spiritual life. Expansion of students' knowledge of archival and museum law, management and marketing.	To analyze the historical basis and periods of formation of independent Kazakh statehood in the context of the world and Eurasian historical process; Critically evaluates and interprets issues, events, ideas, and theories from different periods of history; Predicts the future development of history based on knowledge and analysis of historical events;

**ADDITIONAL (MINOR) EDUCATION PROGRAM (MINOR)  
«INSTRUCTOR OF WELLNESS GYMNASTICS AND MASSAGE»**

**For whom it is intended:** Program (Minor) «Instructor of Wellness Gymnastics and Massage» intended for students of all Educational programs Major.

**Relevance:** Program (Minor) «Instructor of Wellness Gymnastics and Massage» was due to the importance of physical education for each person and the need to increase the literacy of the population in the field of health physical culture.

**Justification:** Demand for the profession "«Instructor of Wellness Gymnastics and Massage» in the modern socio-cultural situation in Kazakhstan is a response to the social order, associated with the maximum use of human resources in a different way. Emerging trends in society imply different types of practically-oriented physical culture, interest in which grows in different categories of the population. The program is aimed at training specialists in the field of health-improving physical culture, possessing modern technologies to provide comprehensive-combined services to the population, oriented to a healthy lifestyle.

Students have the opportunity to conduct health-improving and preventive work, aimed at increasing the reserve and adaptive capacity of the body for physical rehabilitation and correction of the state of health.

**Purpose:** Expand professional competencies that contribute to the formation of a highly shaped personality with a broad outlook and culture of thinking and the ability to use the techniques and technologies of a healthy lifestyle.

**Program Description:**

1.The program (Minor) consists of 3x discipline, each discipline has 5 credits, in total the student must master 15 credits.

2.Program (Minor) "Instructor of health gymnastics and massage" does not require pre-requisites.

3.The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the disciplines	Teachig outcomes
Non-traditional Healing Technologies	The course considers the main health-conditioning directions, types and	-explains the regularity, principles and methods of training gymnastics;

	<p>classification of non-traditional types of health-improving gymnastics (aerobics, body-flex, kalanetics, aqua aerobics, pilates, gymnastics, skipping, breathing). During the study of disciplines, skills and abilities are formed:</p> <ul style="list-style-type: none"> <li>- to coordinate the peculiarities of the composition of complexes, blocks, combinations and the selection of musical accompaniment;</li> <li>- develop the structure of occupations;</li> <li>- to build communications, to use equipment and inventory;</li> <li>- to organize and conduct competitions.</li> </ul>	<ul style="list-style-type: none"> <li>- demonstrates the use of physical culture as a factor in restoring the ability to work and ensuring long life;</li> <li>- selects and composes a set of exercises, chains, blocks in the process of training;</li> <li>- distinguishes and finds non-standard and alternative solutions based on innovative technologies;</li> <li>- classifies means of physical rehabilitation, pedagogical assessment technologies, control for enhancement of adaptive capabilities of the organism.</li> </ul>
Private Massage Techniques	<p>The course reveals the concepts, tasks, general principles of massage and self-massage. The following topics will be covered in this course: Classification of massage, techniques and methods of conducting classical, sports, medical, hygienic, etc. types of massage. The mechanism of therapeutic action of massage. As a result of the course, the concept of massage techniques, skills of massage techniques in the process of sports and rehabilitation activities, indications and contraindications to the use of massage, requirements for massage are formed.</p>	<ul style="list-style-type: none"> <li>- knows the mechanism of medical and rehabilitation action of massage on the organs, systems and the body as a whole;</li> <li>- understands the anatomical and physiological features of the body's reactions when performing massage techniques;</li> <li>- uses in practice modern methods, basic techniques and techniques of massage in the process of sports and rehabilitation activities;</li> <li>- analyzes the use of rehabilitation, medical and biological means of recovery.</li> </ul>
Diagnosis and Self-diagnosis	<p>The development of disciplines is aimed at the study of methods of research and assessment of the physical and functional state of the organism. Means of increasing efficiency and accelerating processes. Restoration. During the study of disciplines, skills are formed:</p> <ul style="list-style-type: none"> <li>- application of new approaches to diagnosis, treatment, prevention and assessment of physical condition and physical fitness;</li> <li>- application of methods of standards, anthropometric indices, tests and exercises with age-specific features.</li> </ul>	<ul style="list-style-type: none"> <li>-- explains the physiological mechanisms of adaptation of different systems and organs to physical load;</li> <li>- possesses skills of application of tools and methods of diagnostics and assessment of indicators of level and dynamics of physical development;</li> <li>- selects modern diagnostic tools and methods of assessing the level of development of morpho-functional systems of the body of the subject;</li> <li>- evaluates the functional state of the occupants, with the use of modern medical, biological and psychological and pedagogical knowledge.</li> </ul>

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«PRE-SCHOOL TEACHER»**

**For whom it is intended:** the program (Minor) "pre-school Teacher" is intended for students of all Major educational programs.

**Relevance:** the Minor Program "teacher of pre-school training" is due to the importance of pre-school education and the need to prepare competent teachers ready for successful professional and personal self-realization.

**Justification:** Studying the program (Minor) "pre-school Teacher" will ensure equal starting opportunities for preschool children to enter school, determine the choice of differentiated pedagogical conditions necessary to prepare for successful school education.

**Purpose:** to train highly qualified specialists in the field of pre-school education who know modern methods of predicting the child's preparation for school.

**Program Description:**

1. the program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total, the student must master 15 credits.
2. The program (Minor) "pre-school Teacher" does not require prerequisites.
3. the number of credits for obtaining a bachelor's degree remains unchanged at least-240 credits

**Programme content:**

Name of the discipline	Description of the discipline	Teachig outcomes
Basics of reading and writing	The course provides a method of sequencing the study of sounds and letters, a variety of vocabulary of the primer and acceleration of the development of reading techniques for older preschool children. Analytical and synthetic method in teaching modern preschool children to read. Basic language concepts (speech (oral, written), sentence, word, syllable, stress, sound, vowel-consonant, vowel-stressed, unstressed, consonant hard-soft, voiced-deaf). Non-standard approaches to teaching children to read. Structure of educational activities. Activities of children in the classroom Individual approach in teaching literacy and writing to children with special educational needs.	<ul style="list-style-type: none"> <li>- Knows the methodology and structure of organized educational activities on the basics of literacy and writing;</li> <li>- is able to assess the individual development of a child in order to solve the problems of performing qualified correction of the development of preschool children;</li> <li>- uses interactive methods in teaching preschool children to read;</li> <li>- designs and constructs the types of activities children with the use of innovative technologies in the preschool group.</li> </ul>
Methods of preparing children for school	Theoretical and methodological foundations of preparing children for school. General preparation of children for school. Methods of teaching preschool children. Training manuals for training of the senior preschool children in preparation for school. Literacy and mathematical development of children. Psychological and pedagogical games, exercises and tests for preparing children for school. The relationship between kindergarten and family in preparing children for school. Preparing children for school in rural areas.	<ul style="list-style-type: none"> <li>- Knows the psychological and pedagogical basics of preparing children for school;</li> <li>- can analyze the level of development of skills and abilities of preschool children, creates the basis for successful learning in school in pre-school education;</li> <li>- applies agropedology, innovative approaches, tailored itineraries special training of children of preschool age;</li> <li>- effectively build interaction with parents when preparing children for school</li> </ul>
Methods of teaching mathematics in pre-school class	The course includes the study of the content and structure of teaching mathematics in pre-school settings. Educational, educational and developmental tasks of teaching mathematics in the preparatory period. Different approaches to preparing a child to study numbers (numbers from 0 to 10, numbers and numbers, basic properties of natural numbers, etc.). Different approaches to preparing a child to study the forms of the surrounding space. Logical tasks for the development of attention, perception, imagination, memory, and thinking in children. Methods of teaching mathematics in pre-school class and motivating the child to study mathematics. Individual approach to teaching mathematics to children with special educational needs	<ul style="list-style-type: none"> <li>- Knows the main sections of mathematics in pre-school class;</li> <li>- knows the method of teaching mathematics in pre-school class;</li> <li>- analyzes the level of development of the child's skills in mathematics for successful learning at school;</li> <li>- designs the educational process according to the updated system, taking into account the features of preschool age.</li> <li>- applies critical thinking, creativity and predicts the results of their activities in the pre-school training of children.</li> </ul>

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«PSYCHOLOGIST OF PRESCHOOL ORGANIZATION»**

**For whom it is intended:** the program (Minor) "preschool organization Psychologist" is intended for students of all Major educational programs.

**Relevance:** the Minor program "preschool organization Psychologist" is due to the fact that with the introduction of inclusive education in kindergartens, there is a need for psychologists to accompany the development of preschool children with special educational needs.

**Justification:** Studying the program (Minor) "preschool organization Psychologist" will provide preschool children with special educational needs and pronounced problems in mental development, qualified correction of the development of children of early and preschool age.

**Purpose:** to train highly qualified preschool education specialists who have knowledge and practical skills to work with preschool children with special educational needs.

**Program description:**

1. the program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total, the student must master 15 credits.
2. The program (Minor) "preschool Psychologist" does not require prerequisites.
3. The number of credits for bachelor's degrees remains the same – not less than 240 credits.

**Programme content:**

Name of the discipline	Description of the discipline	Teachig outcomes
Psychology of abnormal development (gifted children)	<p>The course provides for the development of methods for the development of children's giftedness, identification technology, and the creation of a developing environment.</p> <p>It reveals the characteristics of gifted children: a tendency to individualism, the difference between intellectual, social and physical development; unrealistic goals, hypersensitivity, fear of mistakes. Psychological problems of a gifted child: a tendency to individualism, egocentrism, communication difficulties, protest against any restrictions, problems communicating with adults. Psychological support for the family of gifted children, teaching parents how to interact with the child.</p>	<ul style="list-style-type: none"> <li>- Knows the main patterns of abnormal mental ontogenesis of the child.</li> <li>- analyzes the content of methodological material on the development of the psyche of children of early and preschool age.</li> <li>- applies and implements diagnostic methods and technologies of pedagogical support for gifted children in the educational process;</li> <li>- provides training for parents on how to interact with a child with special educational needs.</li> </ul>
Practical psychology of children	<p>The development of the discipline includes the formation of knowledge about the content of the activities of a practical psychologist in a preschool organization and the development of practical skills of psychological work with children of early and preschool age. Structure of the psychological service of education. Qualification requirements for a preschool psychologist. Mental and psychological health of children of early and preschool age. Organization of psychodiagnostic examination of children in preschool organizations. Organization of work of a practical psychologist with parents of preschool children and teaching staff. Work of a practical psychologist with preschool children of the "risk group".</p>	<p>Knows the patterns and features of mental development of preschool children;</p> <ul style="list-style-type: none"> <li>- can diagnose the level of development of a child in pre-school education;</li> <li>- provides an individual route for the child based on the results of monitoring the development of skills and abilities of children, including those with special educational needs.</li> <li>- uses various types of information and communication technologies in personal activities</li> </ul>
Psychological and pedagogical counseling for parents	<p>Formation of skills to work with the main methods of implementation, social and pedagogical support of preschool children in the process of socialization. Advising families about difficulties in relationships with children. Personal and professional position of the consultant. Various forms of individual and group work with parents. Work with individual issues.</p> <p>Orientation of parents in the individual characteristics of the child's mental development; drawing up an individual route for the child's development; making recommendations for raising children in the family.</p>	<p>Knows the content and methods of working with parents to create an individual route for the child's development;</p> <ul style="list-style-type: none"> <li>- is able to identify the pedagogical needs of parents, provide psychological and pedagogical advice to parents;</li> <li>- apply various forms of work with parents;</li> <li>- know how to use the results of monitoring studies when making recommendations for raising children in the family</li> </ul>

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«FUNDAMENTALS OF MODERN VOCALS»**

**For whom it is intended:** Additional educational program (MINOR) «Fundamentals of modern vocal» is intended for students of all major educational programs.

**Relevance:** Program (Minor) «Fundamentals of modern vocal» - based on the importance of vocal knowledge for each person and the need to improve musical literacy.

**Justification:** According to the mandatory components of the basics of modern vocal, the student is trained in musical literacy and the basics of music used in the art of singing. Practical work is being done to develop pure intonation and voice. At the end of the training, the student learns the skills of harmonic and polyphonic melism. Work is underway on the technique of voice production

**Purpose:** To reveal the inner potential and develop the student's personal growth. To make the comprehensive development of the thinking of the individual.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Fundamentals of modern vocal» does not require pre-requisites.
3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Vocal training	The course consists of teaching the basics of music and music theory, as well as practical exercises in voice production and intonation.	- Demonstrates and constantly improves performance skills in various areas - Understands the role of the leisure industry in the education and development of culture, aesthetics and spiritual values of society
Vocalist's work on the concert repertoire	The ability to convey the stage image of characters from literary works on the stage. Stage coordination of the vocalist's movements. Transfer of an image through vocal works by means of a stage action of the vocalist.	- Demonstrates and constantly improves performance skills in various areas - Evaluates personal and professional development in order to solve the problems of high-quality and competitive organization of professional activities of the head of leisure activities.
The basics of stage behavior of vocalist	During this course, students will get acquainted with the characteristics of the components of stage behavior, develop their skills of movement on stage. They will study the disciplinary rules of conduct and safety on stage. They will get acquainted with the artist's ethics and the basics of stylistic behavior on stage.	- Demonstrates and constantly improves performance skills in various areas - Provides a synthesis of practical skills and interdisciplinary connections in professional activities.

**ADDITIONAL EDUCATIONAL PROGRAM (MINOR)  
«HISTORICAL - PRACTICAL COURSE»**

**For whom it is intended:** The program (Minor) "Historical practical course" is for all students of all educational program Major.

**Relevance:** This Minor program will provide an opportunity in the learning process to acquire additional competencies that will help them become more competitive in the labor market or to meet their personal professional needs.

**Justification:** The program is aimed at training a teacher who knows the basic and professional disciplines of the specialty, can conduct not only educational activities, but also create new forms and methods of organizing work to provide cultural activities among various categories of the population and modernize the work of creative teams.

**Purpose:** The purpose of this program is to provide knowledge not only on specialized training, but also to help form personal qualities that are socially significant. The value of the formation of the teacher's personality is due to the fact that in market conditions it allows a specialist to be in demand; provides emotional and creative interaction of a teacher with students in the process of professional and social cultural activities.

**Program Description:**

1. The program (Minor) consists of 3 disciplines, each discipline has 5 credits, in total the student must master 15 credits.
2. The program (Minor) «Historical - practical course» does not require pre-requisites.

3. The number of credits for obtaining a bachelor's degree remains unchanged at least 240 credits.

**Program content:**

Name of the discipline	Description of the discipline	Teaching outcomes
Dances of the peoples of the world	Ethnographic features of the regions and their impact on folk dance art. Dance folklore of the Urals and Siberia (Bashkir folk dance). Estonian folk dance. The main elements of male and female Estonian dance. Greek folk dance. Armenian folk dance. Features of the nature of the performance of Armenian folk dance.	<ul style="list-style-type: none"> <li>- Knowledge of the history and theory of domestic and foreign choreographic art, areas and spheres of professional activity, modern problems of specialty development, the fundamentals of methodological support for teaching.</li> <li>- Using skills to perform basic dance elements, national traditions, innovative techniques and professional techniques in creative and pedagogical activities, building trajectories of professional and personal development.</li> <li>- The use of effective teaching methods for the development of creative activity in working with a team, artistic, musical, technical means and stage equipment, the laws of dramaturgy and composition, the basics of choreography in professional activity.</li> </ul>
Performing mastery of classical dance	The module focuses the work of students on fundamental performing competencies in dance art. For example, a safety technique, which includes the technique of “warming up” the body before choreography, the main specific features of the development of performing skills in choreography.	<ul style="list-style-type: none"> <li>- Proficiency in teaching and creative thinking for successful teaching.</li> <li>- Possession of theoretical and methodological principles in obtaining basic knowledge in the field of classical, folk stage, Kazakh dance.</li> </ul>
Historical dances	Characteristics of historical dance. Execution of elements of the 19th century. Principles of using generalization of information. Determining the nature of the musical accompaniment. Tasks of the 3rd year of study for coordination, study. Selection and layout of muses. material. The main educational section of historical dance. Learning the dances of the Middle Ages. Characteristics and style features of the dance of the 16th century.	<ul style="list-style-type: none"> <li>- Knowledge of the history and theory of domestic and foreign choreographic art, areas and spheres of professional activity, modern problems of specialty development, the fundamentals of methodological support for teaching.</li> <li>- Understanding the specifics of the specialty, the role of choreography in the life of society and the state, the goals and objectives of specific areas of choreographic art. Understanding the place of his profession in the spiritual development of the state and its citizens.</li> </ul>