Kazakh University of Humanities and Law Innovation

MODULAR EDUCATIONAL PROGRAM
6B01403 "INITIAL MILITARY TRAINING"

Semey, 2020

1. EXPLANATORY NOTE

The modular educational program (MOPP) is compiled on the basis of the following documents:

• The Law of the Republic of Kazakhstan "On Education" dated 27.07.2007 with additions and amendments dated 21.02.2019;

• The State mandatory Standard of education at all levels of education, approved by the Order of the Minister of Education and Science of the Republic of Kazakhstan No. 604 dated 31.10.2018.

• Professional standard "Teacher" approved by Order No. 133 of the Chairman of the Board of the National Chamber of Entrepreneurs of the Republic of Kazakhstan "Atameken" dated June 8, 2017;

• Rules of the organization of the educational process on credit technology of training. approved by the Order of the Minister of Education and Science of the Republic of Kazakhstan dated 12.10.2018 (No. 563).

• Standard rules of activity of educational organizations implementing educational programs of higher and (or) postgraduate education, approved by the order of the Minister of Education and Science of the Republic of Kazakhstan dated 30.10.2018.

• Form 26 "Structure of the modular educational program" No. 1 dated 17.01.2014

• Item 01.04/2012 of the Regulation on the formation of the trajectory of students' education No. 1 dated 25.10.2012;

• Regulations on the MOS

The MOS is designed as a set of sequential training modules for the entire period of study and is aimed at mastering the competencies necessary for awarding the Bachelor of Education degree under the educational program 6B01403 – "Initial Military Training".

The modules of the block of general education disciplines (OOD) include disciplines of the mandatory component: (OK) – 51 credits and elective components (KV) – 5 credits, common to all specialties of education.

The block of basic disciplines (DB) includes disciplines of the university component (VC) – 32 credits and elective components (CV) – 80 credits.

The block of profile disciplines (PD) includes disciplines and practice of the university component (VC) – 22 credits and elective components (CV) - 38 credits.

Additional types of training (DVO) – 12 credits, which includes the Final state certification.

Practices are included in the block of the university component of basic and profile disciplines.

The criterion for the completion of the educational process is the development of 240 credits by a student.

The MOS consists of 21 modules.

The field (application of knowledge and skills) of the graduate's activity (where he can work):

− educational institutions of secondary education: secondary schools, boarding schools, gymnasiums and lyceums;

− vocational and technical educational institutions;

− administrative bodies of education.

Subjects of professional activity:

The subject of the professional activity of the Bachelor of Education under the educational program 6B01403 – "Initial military training" is the content of the interaction of the teacher (teacher) and students in the conditions of the pedagogical process.

Types of professional activity:

Bachelor of Education in the educational program 6B01403 – "Initial military training" can perform the following types of professional activity:

- educational;
- experimental research;
- organizational and managerial;
- socio-pedagogical;
- educational and educational;
- educational and technological.

Functions of professional activity:

The main functions of professional activity are:

- teaching of initial military training in educational institutions in accordance with the objects of professional activity;
- carrying out extracurricular work on initial military training; carrying out educational work by means of initial military training.

Typical tasks of professional activity:

Bachelor of Education in the educational program 6B01403 – "Initial military training". must solve the following tasks in accordance with the types of professional activity:

in the field of educational activity:

- possession of a full-fledged high-quality professional pedagogical education, professional competence in the field of initial military training;
- organization of the educational process at a methodical, competent and professional level;

in the field of experimental research activities:

- study of scientific and methodological literature;
- study and generalization of advanced pedagogical experience in the field of primary military training;
- conducting pedagogical experiments with the implementation of their results in the educational process;

in the field of organizational and managerial activities:

- planning the content of initial military training at different levels;
- determination of ways of organizing and conducting the educational process;

in the field of social and pedagogical activity:

- formation of a multicultural personality;

in the field of educational activity:

- implementation of educational work in accordance with the laws, laws, principles, educational, mechanisms of the pedagogical process;

- planning of extracurricular educational work;
- solving specific educational tasks;
- selection and use of various forms and methods of education and training of schoolchildren in extracurricular work on initial military training;
- establishing relationships with a team of students, teachers working in this class, with parents;

in the field of educational and technological activities:

- the use of the latest pelagogic technologies in the educational process.

The content of professional activity

The content of the professional activity of the Bachelor of Education according to the educational program 6B01403 – "Initial military training":

- high-quality organization and management of the pedagogical process;
- orientation to the active development of learning methods of cognitive activity by students;
- personal significance of education;
- orientation of the entire educational process on the personality of the student;
- ensuring the possibility of his self-disclosure and self-realization;
- application of various pedagogical technologies;
- creation of charitable conditions for self-education and professional orientation of students;
- psychologically and methodically correct construction of pedagogical activity;
- planning your own professional actions taking into account objective laws and modern requirements for teaching basic military training.

Knowledge and skills of the graduate of the educational program

Requirements for the level of education of a bachelor of education in the educational program 6B01403 – "Initial military training"..

The graduate must

have an idea:

- about scientific, philosophical and religious pictures of the universe;
- the essence of the purpose and meaning of human life;
- about the market economy, about various political trends and parties, the principles of studying social and political processes;
- about the processes and phenomena of public life;
- about the main patterns, types of activities, communication;
- fundamentals of national and world culture;
- about the field of education as a special area that ensures the transmission of culture from generation to generation;

To know:

- ethical and legal norms;
- basic theories in the field of social-humanitarian and psychological-pedagogical sciences;
- modern domestic and foreign educational programs and technologies for the development and education of students;

- theory and holistic pedagogical process as an object of the teacher's activity;
- optimal conditions for the pedagogical process of personality formation;
- requirements of regulatory and legislative documents on the organization of initial military training and preparation of young men for military service;
- the main provisions of the Military Doctrine of the Republic of Kazakhstan;

be able to:

- to evaluate from methodological positions the problems and processes of public life of the Republic of Kazakhstan, the place of their professional activity in it;
- to set goals and form tasks related to the implementation of professional functions, using the methods of the studied sciences to solve them;
- argumentatively defend your point of view;
- organize their work on a scientific basis, possess computer methods of collecting, processing and storing information used in the field of professional activity;
- to implement the leading management function, which is determined by three components: personal, substantive and procedural;
- apply the acquired knowledge to solve pedagogical, educational, scientific and methodological problems, taking into account age and individual typological differences of students in specific pedagogical situations;
- to conduct classes on initial military training and military-patriotic education of students at a high ideological, methodological and scientific level, to educate them in love, respect for the profession of defender of the Motherland, discipline, self-consciousness, take care of their physical development;

have skills:

- work in professional and pedagogical activities in the field of education;
- in organizing and conducting military-patriotic education of young people;
- in planning and directing the research work of students;
- in the organization and conduct of extracurricular work in educational institutions of secondary education;
- creation and development of the educational and material base of initial military training;
- proficiency in the state language of the Republic of Kazakhstan and the language of official communication.

The purpose of the modular educational training program Bachelor of Education according to the educational program 6B01403 is "Initial military training":

Preparation of qualified pedagogical personnel for initial military training, possessing high social and civic responsibility, capable of carrying out professional activities in the following areas: formation of fundamental knowledge, skills and competencies necessary in professional activity; formation of ecological, physical and ethical, legal culture and culture of thinking; language training; formation of universal and socio-personal values.

2. The graduate's competence model

The learning outcomes are determined on the basis of the Dublin descriptors of the first level (Bachelor's degree) and are expressed through competencies.

Competence is the possession of a certain competence, the availability of knowledge, skills and abilities necessary for effective activity in a certain professional field.

Competence is the ability to apply knowledge, skills, and successfully act on the basis of practical experience in solving professional tasks.

Competencies are formed both at the level of the entire program, and at the level of a module and a separate discipline.

The competencies that a graduate should have after mastering the MOS are listed below.

1. General education competence

possess basic knowledge in the field of natural science, social-humanitarian, economic disciplines that contribute to the formation of a highly educated person with a broad outlook and a culture of thinking;

have the skills to handle modern technology, be able to use information technology in the field of professional activity;

possess the skills to acquire new knowledge necessary for daily professional activity and continuing education in the master's degree.

2. Natural science competence

- to have an understanding of the social significance and cultural value of natural science in the context of the state strategy of development of the Republic of Kazakhstan;

–have the skills and techniques of natural science analysis and evaluation of information messages, proposals and projects;

–have an understanding of the need for self-education and advanced training in the field of natural science;

–be able to use elements of natural science culture in solving professional tasks and performing social functions;

–to introduce elements of scientific rationality into the system of behavioral regulations of a specialist with a higher education;

–be able to obtain the information necessary for conducting a natural-scientific examination of the decisions taken;

–have an understanding of the possibilities of natural science in solving the problems of modern society (nutrition, health care, etc.)

3. General cultural competence

possess knowledge in the field of pedagogical goal-setting, the skills and abilities of designing and implementing a holistic pedagogical process, be capable of positive thinking, attached to the system of national values, inclined to humanism and optimism;

possess knowledge in the field of methodology, pedagogy and psychology, the skills and abilities to manage information, carry out comprehensive monitoring based on psychological and pedagogical diagnostics, analysis and synthesis, be capable of pedagogical reflection, strive for continuous improvement of research culture;

possess knowledge in the field of human rights (international legal acts, legislation of the Republic of Kazakhstan in the field of education and child protection), skills and abilities to protect the rights and interests of the child, professional honor and dignity of the teacher, as well as comply with the norms of pedagogical ethics, realize the social significance of the profession of a teacher, respect the civil rights of the child;
possess ethical and legal norms of behavior; a system of practical knowledge and skills that ensure the acquisition, development, improvement and activation of psychophysical abilities and qualities, the acquisition, preservation and strengthening of health, the ability to work in a team, correctly defend their point of view, offer new solutions; be tolerant of traditions, culture of other peoples of the world; strive to to professional and personal growth.
be able to navigate modern information flows and adapt to dynamically changing phenomena and processes in the global economy; be flexible and mobile in various conditions related to professional activity; have the skills to make decisions of an economic and organizational nature in conditions of uncertainty and risk.

4. Professional competence

4.1. Training function: translates educational information, teaches to acquire knowledge independently

Skills and abilities:
- Independently organizes training sessions taking into account the linguistic needs and requests of students;
- Independently uses new learning technologies, including ICT;
- Taking into account the mentor's consultations or ready-made methodological guidelines, prescriptions and recommendations, conducts standard training sessions using didactic knowledge in integration with knowledge in a special field;

in cooperation with colleagues, he plans training sessions taking into account the principles of integration and continuity of education at all levels of secondary education (primary, basic secondary, general secondary)

Knowledge:

classical provisions of school didactics in integration with theoretical concepts of a special field (academic subjects, educational fields);
new achievements in the field of psychological and pedagogical sciences;
pedagogical technologies of differentiated and integrated learning, developmental learning, features and specifics of the competence approach in teaching;
methods of developing students' research skills, developing their language competencies;
principles and methods of formation of communicative, informational, legal, environmental, professional competencies of students;
methods of pedagogical goal-setting for designing new models and strategies of the educational process
principles and mechanisms of integration and continuity of school, post-secondary and higher education;
theoretical concepts and provisions in the field of modern linguistics and linguistics (for teachers involved in multilingual education programs);
linguistic mechanisms of intercultural communication (for teachers involved in multilingual education programs);
paradigms of co-study of languages, co-study of languages and cultures (for teachers involved in multilingual education programs);

languages functioning in the learning environment, for academic and professional purposes (for teaching staff involved in multilingual education programs)

4.2. Educational function: introduces students to the system of social values

Skills and abilities:

observes pedagogical tact, rules of pedagogical ethics;

shows respect for the personality of students;

adheres to a democratic style in relations with students;

shows commitment to the highest social values, to the ideas of humanistic pedagogy;

shows familiarity with the system of universal and national values in their unity;

builds the educational process taking into account the national priorities of Kazakhstan;

shows the ability to resist any kind of discrimination, extremism;

develops cultural awareness, language competence

promotes the development of a favorable educational environment for the realization of cultural and linguistic needs of students;

forms a tolerant attitude to a different culture, to a different way of life

Knowledge:

pedagogics of the school;

educational psychology;

innovative technologies for the education of school and adolescent children;

educational potential of academic subjects (subject areas);

principles of integration of educational content with national values of Independent Kazakhstan

ways of forming students' positive self-esteem, motivation to learn languages, civic identity and linguistic tolerance

4.3. Methodological function: provides methodological support for the educational process

Skills and abilities:

independently plans to improve their skills;

independently selects information from Internet sources;

under the guidance of a mentor, he determines methods and techniques, forms general academic skills and skills of students;

develops training materials in accordance with the set goals of classes under the guidance of a mentor and/or in accordance with instructions and requirements;

in cooperation with colleagues, it creates a favorable environment for students to learn

Knowledge:

methods of self-determination for the development of additional knowledge;

ways to implement individual professional development plans ;

principles and methods of constructing situational pedagogical tasks;
principles and methods of development of educational and program documentation;
features of the organization of the educational process, taking into account the use of subject-language learning technology

4.4. Research function: studies the level of assimilation of educational content by students, explores the educational environment

Skills and abilities:

independently uses the results of diagnostics of individual characteristics of students;

in cooperation with colleagues, identifies learning needs and difficulties;

uses methods of joint reflection with colleagues in the context of practice research; plans and conducts research on the educational environment under the guidance of a mentor

Knowledge:

principles and methods of research of the educational environment, research of educational practice
research methods in pedagogy;
methods of psychological and pedagogical tracking of students' activities

4.5. Social and communicative function: carries out interaction with the professional community and with all interested parties of education

Skills and abilities:

independently involves students in the system of additional education;

independently initiates innovative ideas that unite education stakeholders (various creative associations, associations, etc.);

independently attracts representatives of professional communities, law enforcement agencies, medical, social services, children's and youth movements, youth associations, public and political parties, non-governmental organizations, etc. to the educational process.

Knowledge:

fundamentals of communication psychology and professional communication;
forms and methods of cooperation in the professional community, including the network community;
forms and methods of interaction with various social groups (external stakeholders of education);
fundamentals of professional leadership

5. Special competence is a highly specialized activity aimed at achieving high professional results.

5.1. Special-basic competence

1) knowledge and understanding:

–knowledge of basic concepts and special terminology in initial military training;

–knowledge of the theoretical foundations of initial military training and its related (military history, ecology, pedagogy and psychology,

–fundamentals of life safety of it.d.) disciplines, their place in the general system of sciences;

2) application of knowledge and understanding:

–application of theoretical knowledge and practical skills in initial military training in educational and everyday life;

–independent research and experiments on initial military training, analysis and evaluation of research results using innovative technologies;
–knowledge of computer modeling techniques and methods of theoretical analysis of the results of observations and experiments;
–modeling and implementation of the educational process, organization of military-patriotic education of students and various activities of students;
3) formation of judgments:
–systemic thinking and holistic perception of pedagogical reality;
–independent thinking, critical, analytical, diagnostic skills;
–awareness of the social significance of the teaching profession, compliance with the principles of professional ethics;
–the ability to analyze and form judgments about problems of initial military training.
4) personal abilities:
–knowledge of communication technologies, pedagogical rhetoric skills, communication strategies;
–tolerance and the ability to pedagogical cooperation;
–striving for the development of intellectual, moral, cultural, communicative, organizational and managerial skills;

5.2. Special-profiling competence

1) knowledge and understanding:
–knowledge of the modernity, history of development and current state of the Armed Forces of the Republic of Kazakhstan and the Military Doctrine of the Republic of Kazakhstan;
–knowledge of regulatory and legislative documents on the organization of initial military training;
–knowledge of innovative technologies for basic military training;
–knowledge of the theories of education, upbringing and development, as well as educational programs for different levels of education.
2) application of knowledge and understanding:
–diagnostics of development, communication, activity of students of different ages through qualitative and quantitative methods of psychological and pedagogical research;
–conducting classes on civil defense in educational organizations, actions in extreme situations;
–implementation of innovative ideas in education, the ability to make non-standard and alternative solutions.
3) formation of judgments:
–systemic thinking and holistic perception of pedagogical reality;
–independent thinking, critical, analytical, diagnostic skills;
–awareness of the social significance of the teaching profession, compliance with the principles of professional ethics;
–the ability to analyze and form judgments about problems of initial military training.
4) personal abilities:

–the ability to study and apply innovative pedagogical experience, high motivation for pedagogical activity, the desire for self–education and self-realization; -the ability to form a healthy lifestyle of the individual.

Table 1. The sequence of mastering disciplines in the process of forming special competencies

№	Competencies	The list of compulsory, elective disciplines and the sequence of their study		Expected results
		List of disciplines	The sequence of their study	
1	**Natural Science**	Anatomy the basics of sports morphology and biomechanics	3rd semester	Know: the basics of anatomy with the basics of sports morphology Be able to: conduct laboratory work on the structure of various muscle groups Skills: improve professional skills Learning outcomes: analyze anatomical, data and processes occurring during muscular and athletic activity and apply this knowledge and understanding at a professional level.
		Human anatomy		To know: - anatomical structure of the human body, justification of means and methods of physical education. Be able to: - perform physical exercises that affect the body and outline ways to improve it. Skills: - competently use knowledge about the structure of the human body, about the activity of the central nervous system and organs of internal secretion; - determine the impact of physical exertion on the human body. Learning outcomes: analyze anatomical, data and processes occurring during muscular and athletic activity and apply this knowledge and understanding at a professional level.
2	**Natural Science**	Human physiology	3rd semester	Know: the basics of human physiology Be able to: apply physical activity in various activities Skills: improve professional skills Learning outcomes: analyze anatomical, data and processes occurring during muscular and athletic activity and apply this knowledge and understanding at a professional level.
		Human development		Know: fundamentals of human development Be able to: apply development in various activities

				Skills: improve professional skills Learning outcomes: analyze anatomical, data and processes occurring during muscular and athletic activity and apply this knowledge and understanding at a professional level.
3	**Specially-basic**	Fire and bullet preparation	4th semester	Know: fire and bullet training Be able to: use types of small arms and sports weapons Skills: improve professional skills Learning outcomes: have a military-professional orientation, which is an important element of compulsory and voluntary training of students for military service and their military-patriotic education. Demonstrates the ability to handle weapons, shooting skills play an important role in preparing students for service in the Armed Forces of the Republic of Kazakhstan. The ability to organize and conduct training of students in the rules of safe handling of weapons, ammunition and imitation means; training in the material and technical part of small arms; the basics and rules of shooting; implementation of control standards.
		Elements of shooting		Know the basics of military service Be able to:apply theoretical knowledge in the field of military affairs, management of various military units Skills: improve professional skills Learning outcomes: have a military-professional orientation, which is an important element of compulsory and voluntary training of students for military service and their military-patriotic education. Demonstrates the ability to handle weapons, shooting skills play an important role in preparing students for service in the Armed Forces of the Republic of Kazakhstan. The ability to organize and conduct training of students in the rules of safe handling of weapons, ammunition and imitation means; training in the material and technical part of small arms; the basics and rules of shooting; implementation of control

				standards.
4	**Specially-profiling**	Tactical training and topography	4th semester	Know: basics of tactical training and topography Be able to: handle various types as well as work with military equipment of various modifications Skills: improve professional skills Learning outcomes: have a military-professional orientation, which is an important element of compulsory and voluntary training of students for military service and their military-patriotic education. Demonstrates the ability to handle weapons, shooting skills play an important role in preparing students for service in the Armed Forces of the Republic of Kazakhstan. The ability to organize and conduct training of students in the rules of safe handling of weapons, ammunition and imitation means; training in the material and technical part of small arms; the basics and rules of shooting; implementation of control standards.
		Operational-tactical training		Know: operational and tactical training Be able to: handle various types as well as work with military equipment of various modifications Skills: improve professional skills Learning outcomes: have a military-professional orientation, which is an important element of compulsory and voluntary training of students for military service and their military-patriotic education. Demonstrates the ability to handle weapons, shooting skills play an important role in preparing students for service in the Armed Forces of the Republic of Kazakhstan. The ability to organize and conduct training of students in the rules of safe handling of weapons, ammunition and imitation means; training in the material and technical part of small arms; the basics and rules of shooting; implementation of control standards.
5	**Specially-basic**	Fundamentals of basic military training	4th semester	Know: The Constitution of the Republic of Kazakhstan, Laws of the Republic of Kazakhstan and decrees of the

				President of the Republic of Kazakhstan on the protection of the state Be able to: formulate a specialist model Skills: improve professional skills Learning outcomes: apply the acquired knowledge to solve pedagogical, educational and scientific-methodical tasks, taking into account age and individual typological differences of students in specific pedagogical situations;
		Introduction to office work in military units		Know: introduction to office work in military units Be able to: formulate a specialist model Skills: improve professional skills Learning outcomes: apply the acquired knowledge to solve pedagogical, educational and scientific-methodical tasks, taking into account age and individual typological differences of students in specific pedagogical situations;
6	**Specially-basic**	Methods of teaching basic military training	5th semester	Know the methodology of teaching basic military training Be able to: possess skills and abilities in performing combat operations in various types of combat. Skills: improve professional skills Results of training: to substantiate the main categories, principles, methods and form of organization of the educational process used in the field of initial military training; to organize and conduct events on military – patriotic education, the work of military – technical circles and sections;
		Methods of teaching drill classes		Know: the basics of drill Be able to: move, rearrange in rows and ranks Skills: improve professional skills Results of training: to substantiate the main categories, principles, methods and form of organization of the educational process used in the field of initial military training; to organize and conduct events on military – patriotic education, the work of military – technical circles and sections;
7	**Specially-profiling**	Civil Defense and	5th semester	Know: basics of civil defense emergencies

		Emergencies		Be able to: apply protective structures and knowledge of radiation reconnaissance devices of the area Skills: improve professional skills Learning outcomes: analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of physical exercises, sports tactical actions.
		Initial population anti-terrorism training		To know: the basics of initial anti-terrorist training of the population Be able to: apply protective structures and knowledge of radiation reconnaissance devices, Skills: improve professional skills Learning outcomes: analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of physical exercises, sports tactical actions.
8	**Общекультурная**	Swimming	5th semester	Know: the basics of swimming with teaching methods Be able to: with different ways of swimming Skills: improve professional skills Learning outcomes: analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of physical exercises, sports tactical actions.
		Diving		Know: the basics of diving Be able to: with different ways of swimming Skills: improve professional skills Learning outcomes: analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in

				cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of physical exercises, sports tactical actions.
9	**Natural Science**	Physiological basis of physical education and sports	6th semester	To know:– knows and owns key concepts and a complex of scientific knowledge on physiology, the basics of the influence of physical activity on the body. Be able to: – be able to analyze physiological states and processes occurring during muscular and athletic activity ; Skills: - is able to apply a set of skills for physiological control and independent analysis of the athlete's condition, decision-making during sports selection according to physiological indicators and for correction of physical exertion in case of incorrect application. Learning outcomes: analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of physical exercises, sports tactical actions.
		Physiology of sports		To know: – physiological features of adaptation to physical exertion in sports, changes in the functions of various organs and body systems in sports, – hereditary effects on morphofunctional features and physical qualities of a person in sports Be able to: – determine the value of a genetically adequate and inadequate choice of sports specialization, style of competitive activity and sensorimotor dominance in sports; - use genetic markers to search for highly and quickly trained athletes in sports Skills: – taking into account the physiological and genetic characteristics of a person in sports selection in sports - evaluation of the dynamics of body functions during adaptation and its stage of distinguishing between urgent and long–term adaptation to physical exertion evaluation of the functional system of adaptation in sports.

				Learning outcomes: analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of physical exercises, sports tactical actions.
10	**Specially-basic**	Military - sports games	6th semester	Know: the basics of military sports games Be able to: apply methods for conducting military sports games with children, teenagers, young men, adult athletes Skills: improve professional skills Learning outcomes: to classify the technique and tactics of sports games; to make plans – summaries of a training session on sports games with different pedagogical orientation, to adjust the amount of load depending on the tasks of the lesson and the ability to demonstrate the methodology and sequence of teaching game actions;
	Specially-basic	Types of military equipment and their use		Know: types of military equipment and their application Be able to: shoot from combat vehicles:shooting from armament of armored personnel carriers Skills: improve professional skills Learning outcomes: to classify the technique and tactics of sports games; to make plans – summaries of a training session on sports games with different pedagogical orientation, to adjust the amount of load depending on the tasks of the lesson and the ability to demonstrate the methodology and sequence of teaching game actions;
11	**Specially-basic**	History of military art and armed forces of the Republic of Kazakhstan	6th semester	Know: the basics of the history of military art Be able to: conduct classes on the history of military art Skills: improve professional skills Learning outcomes: demonstrate knowledge and understanding in the field under study, be competitive at a professional level, apply this knowledge and skills in an international environment. Possess the skills of handling modern equipment, be able to use information technology

				in the field of initial military training, the application of theoretical knowledge and practical skills in initial military training in educational and everyday life
		Secret documents		Know: Secret documents Be able to: conduct classes on secret documents Skills: improve professional skills Learning outcomes: demonstrate knowledge and understanding in the field under study, be competitive at a professional level, apply this knowledge and skills in an international environment. Possess the skills of handling modern equipment, be able to use information technology in the field of initial military training, the application of theoretical knowledge and practical skills in initial military training in educational and everyday life
12	**Specially-basic**	Modern firearms	7th semester	Know: modern firearms Be able to: shoot from combat vehicles:shooting from armament of armored personnel carriers (APC),shooting from armed infantry fighting vehicles (BMP) Skills: to improve professional skills The results of the training: to assess the problems and processes of public life of the Republic of Kazakhstan from a methodological standpoint, to realize the value of national culture, respectfully and carefully treat the historical heritage and cultural traditions of all peoples and ethnic groups living in the Republic of Kazakhstan;
		Basics of shooting from small arms		Know: modern firearms Be able to: fire from combat vehicles: shooting from armoured personnel carriers, shooting from armed infantry fighting vehicles Skills: improve professional skills The results of the training: to assess the problems and processes of public life of the Republic of Kazakhstan from a methodological standpoint, to realize the value of national culture, respectfully and carefully treat the historical heritage and cultural traditions of all peoples

				and ethnic groups living in the Republic of Kazakhstan;
13	**Specially-basic**	Fundamentals of military pedagogical culture	7th semester	To know: the basics of military pedagogical culture Be able to: form a professional and pedagogical personality Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.
		Scientific - pedagogical research		Know: the basics of scientific and pedagogical research Be able to: form a professional and pedagogical personality Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.
14	**Specially-basic**	Athletics	7th semester	Know: the basics of athletics Be able to: conduct classes on the Basics of athletics Skills: improve professional skills Learning outcomes: to classify the technique and tactics of sports games; to make plans – summaries of a training session on sports games with different pedagogical orientation, to adjust the amount of load depending on the tasks of the lesson and the ability to demonstrate the methodology and sequence of teaching game actions;
		Basics of general and special training of military personnel		Know: the basics of physical education of military personnel Be able to: apply running exercises with obstacles, march throw in full combat gear, develop the physical qualities of a specialist on Skills: improve professional skills Learning outcomes: to classify the technique and tactics of

				sports games; to make plans – summaries of a training session on sports games with different pedagogical orientation, to adjust the amount of load depending on the tasks of the lesson and the ability to demonstrate the methodology and sequence of teaching game actions;
15	**Specially-basic**	Therapeutic and preventive measures in military units	7th semester	To know: the basics of medical and preventive measures in military units Be able to:to carry out preventive measures aimed at preventing diseases in the military unit Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.
		History of health science		Know: the basics of the history of health science Be able to: carry out preventive measures aimed at preventing diseases in a military unit Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.
16	**Specially-basic**	Methods of conducting field studies	4th semester	To know: the methodology of conducting field training Be able to: possess skills and abilities in performing combat operations in various types of combat. Skills: improve professional skills Learning outcomes: apply the acquired knowledge to solve pedagogical, educational and scientific-methodical tasks, taking into account age and individual typological differences of students in specific pedagogical situations;
		Outdoor games		Know: the methodology of outdoor games Be able to: master the basics of teaching techniques, tactics of training and competitive activities.

				Skills: improve professional skills Learning outcomes: apply the acquired knowledge to solve pedagogical, educational and scientific-methodical tasks, taking into account age and individual typological differences of students in specific pedagogical situations;
17	**Specially-basic**	Fundamentals of physical education of military personnel	5th semester	Know: the basics of physical education of military personnel Be able to: apply running exercises with obstacles, march throw in full combat gear, develop the physical qualities of a specialist on Skills: improve professional skills Learning outcomes: analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of physical exercises, sports tactical actions.
		The basics of military morality		To know: the basics of military and moral education Be able to: develop the moral qualities of a specialist Skills: improve professional skills Learning outcomes: analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of physical exercises, sports tactical actions.
18	**Specially-profiling**	Extremism and terrorism as a threat to national security	6th semester	Know: basics of civil defense emergencies Be able to: apply protective structures and knowledge of radiation reconnaissance devices of the area Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.

		Terrorism and security		To know: the basics of initial anti-terrorist training of the population Be able to: apply protective structures and knowledge of radiation reconnaissance devices, Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.
19	**Specially-profiling**	Military intelligence and search work on the ground	6th semester	Know military intelligence and search work on the ground Be able to: perform movements on the battlefield, choose a firing position (a place for shooting), conduct surveillance in a given sector, Skills: improve professional skills Learning outcomes: demonstrate knowledge and understanding in the field under study, be competitive at a professional level, apply this knowledge and skills in an international environment. Possess the skills of handling modern equipment, be able to use information technology in the field of initial military training, the application of theoretical knowledge and practical skills in initial military training in educational and everyday life.
		Information technology in school		Know information technology in the secondary school Be able to: apply interactive learning technologies: interactive whiteboard, applications in the educational process Skills: improve professional skills Learning outcomes: demonstrate knowledge and understanding in the field under study, be competitive at a professional level, apply this knowledge and skills in an international environment. Possess the skills of handling modern equipment, be able to use information technology in the field of initial military training, the application of theoretical knowledge and practical skills in initial

				military training in educational and everyday life.
20	**Specially-profiling**	Types of wrestling and hand-to-hand combat	7th semester	Know: the basics of fighting and hand-to-hand combat Be able to:conduct classes on teaching the basics of techniques of types of wrestling and hand-to-hand combat with students of secondary schools Skills: improve professional skills Learning outcomes: - classify the technique and tactics of sports games; make plans – summaries of a training session on sports games with different pedagogical orientation, adjust the amount of load depending on the tasks of the lesson and the ability to demonstrate the methodology and sequence of teaching game actions;
		Military classification		Know: the basics of fighting and hand-to-hand combat Be able to:conduct classes on teaching the basics of techniques of types of wrestling and hand-to-hand combat with students of secondary schools Skills: improve professional skills Learning outcomes: - classify the technique and tactics of sports games; make plans – summaries of a training session on sports games with different pedagogical orientation, adjust the amount of load depending on the tasks of the lesson and the ability to demonstrate the methodology and sequence of teaching game actions;
21	**Specially-basic**	Military medical training	7th semester	Know the methodology of military medical training Be able to:provide first aid in peacetime and wartime Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.
		Healing Fitness		Know the methodology of therapeutic physical culture Be able to: use means of physical education and massage techniques for the treatment of patients with various diseases

				Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.
22	**Specially-profiling**	Basics of military robotics and information technology (IT)	8th semester	Know outdoor games with shooting elements Be able to: modernize and systematize additional education programs in the field of robotics, mechatronics, and scientific and technical creativity. Skills: improve professional skills Learning outcomes: demonstrate knowledge and understanding in the field under study, be competitive at a professional level, apply this knowledge and skills in an international environment. Possess the skills of handling modern equipment, be able to use information technology in the field of initial military training, the application of theoretical knowledge and practical skills in initial military training in educational and everyday life.
		Mechatronics and Robotics		Know outdoor games with shooting elements Be able to: increase the efficiency of using interactive technologies and modern technical training tools Skills: improve professional skills Learning outcomes: demonstrate knowledge and understanding in the field under study, be competitive at a professional level, apply this knowledge and skills in an international environment. Possess the skills of handling modern equipment, be able to use information technology in the field of initial military training, the application of theoretical knowledge and practical skills in initial military training in educational and everyday life.
23	**Specially-profiling**	Outdoor games with shooting elements	8th semester	Know: outdoor games with shooting elements Be able to: use outdoor games with elements of shooting from various types of automatic weapons, etc. types of small arms and sports weapons

				Skills: improve professional skills Learning outcomes: to classify the technique and tactics of sports games; to make plans – summaries of a training session on sports games with different pedagogical orientation, to adjust the amount of load depending on the tasks of the lesson and the ability to demonstrate the methodology and sequence of teaching game actions;
		Firing elements		Know : the basics of military service Be able to: apply theoretical knowledge in the field of military affairs, management of various military units Skills: improve professional skills Learning outcomes: to classify the technique and tactics of sports games; to make plans – summaries of a training session on sports games with different pedagogical orientation, to adjust the amount of load depending on the tasks of the lesson and the ability to demonstrate the methodology and sequence of teaching game actions;

Table 2. Sequence of mastering disciplines of social and professional interaction

Course	Providing disciplines	Competencies	Expected result
1	Modern history of Kazakhstan	General education	-Demonstrate knowledge of the main periods of the formation of the historical past of independent Kazakhstan statehood; -to correlate the phenomena and events of the historical past with the general paradigm of the world-historical development of human society through critical analysis; - to master the techniques of historical description and analysis of the causes and consequences of events in the modern history of Kazakhstan; -to propose possible solutions to modern problems based on the analysis of the historical past and reasoned information; - analyze the features and significance of the modern Kazakh development model; - to determine the practical potential of international dialogue and respect for the spiritual

			heritage; -to substantiate the fundamental role of historical knowledge in the formation of Kazakhstan's identity and patriotism; - to form their own civil position on the priorities of mutual understanding, tolerance and democratic values of modern society.
1	Foreign language	General education	According to the results of the development of the program, the student has the following learning outcomes: 1) systematizes the conceptual foundations of understanding the communicative intentions of the partner, the authors of texts at this level; 2) compares and selects forms and types of speech/communication corresponding to the communicative intention with a logical construction adequate to the type of speech; 3) adequately expresses his own communicative intentions with the correct selection and appropriate use of appropriate language tools, taking into account their compliance with the socio-cultural norms of the language being studied; 4) classifies the levels of use of real facts, references to authoritative opinion; speech behavior is communicatively and cognitively justified; 5) identifies patterns of development of a foreign language, paying attention to the study of stylistic originality; 6) knows the techniques of linguistic description and analysis of the causes and consequences of events in texts of a scientific and social nature; 7) expresses in a foreign language possible solutions to modern problems based on the use of reasoned information; 8) evidently uses language material with reasoned language means sufficient for this level, corrects mistakes in a timely manner and independently with 75% of error-free statements 9) knows the strategy and tactics of constructing a communicative act, correctly intonation forms speech, relying on lexical sufficiency within the framework of speech topics and grammatical correctness.
1	Kazakh (Russian) language	General education	Russian language The student has the following learning outcomes: 1) to make the right choice and use of language and speech means to solve certain problems of communication and cognition on the basis of knowledge

			of a sufficient volume of vocabulary, a system of grammatical knowledge, pragmatic means of expressing intentions; 2) to convey the factual content of texts, formulate their conceptual information, describe the deductive knowledge (pragmatic focus) of both the entire text and its individual structural elements; 3) interpret the information of the text, explain the stylistic and genre specifics of the texts of socio-cultural, socio-political, official-business and professional spheres of communication in the scope of certification requirements; 4) request and report information in accordance with the communication situation, evaluate the actions and actions of participants, use information as a tool to influence the interlocutor in situations of cognition and communication in accordance with certification requirements; 5) to build programs of speech behavior in situations of personal, social and professional communication in accordance with the norms of language, culture, specifics of the sphere of communication, certification requirements; 6) discuss ethical, cultural, socially significant issues in discussions, express your point of view, defend it in a reasoned manner, critically evaluate the opinion of interlocutors; 7) participate in communication in various situations of different spheres of communication in order to realize their own intentions and needs (domestic, educational, social, cultural), stating them ethically correctly, meaningfully fully, lexically-grammatically and pragmatically adequate to the situation; 8) compose everyday, socio-cultural, official business texts in accordance with with generally accepted norms, functional orientation, using lexico-grammatical and pragmatic material of a certain certification level that is adequate for the set goal. Kazakh language The student has the following learning outcomes: students should know: the main functions of the language, functional and semantic types of speech and their features, functional speech styles, communicative tasks of the text, techniques of text compression, techniques

			of annotating, taking notes and reviewing the text; students should be able to: understand information on topics of personal, public, educational and professional spheres of life, note the highlighted provisions in argumentation in general, understand the implied and openly stated provisions in texts and direct messages; use language correctly and effectively in conversation on personal and professional topics, noting the connection of the theses expressed, clearly express their position through appropriate explanations; to argue, to evaluate the information received, to speak on professional topics, to solve typical and professional tasks in order to master professional and communicative skills, to formulate a topic, to determine the language features of the text; the student must possess: the language system and the ways of its use in intercultural and communicative activities, possess the speech and communication system, the skills of using information from the media, official sources and fiction, possess the skills of creating texts of different functional types, have an idea of the peculiarities of the functioning of language in scientific discourse, possess the skills of description, generalization and analysis of information, compressions of a scientific text.
1	Information and communication technology (English)	General education	To know: - what economic and political factors contributed to the development of information and communication technologies; - features of various operating systems, architecture; Be able to: - identify the main trends in the field of information and communication technologies; - use information resources to search and store information; - work with spreadsheets, perform data consolidation, build graphs; - apply methods and means of information protection; design and create simple websites; - to process vector and raster images; to create multimedia presentations; to use various platforms for communication; - calculate and evaluate performance indicators of supercomputers; - use various forms of e-learning to expand professional knowledge; - use various cloud services. Possess skills:

			- development of the database structure; - designing and creating presentations; - receiving data from the server; - creating video files; - work with Smart applications; - work with services on the e-government website.
2	Philosophy	General education	The student has the following learning outcomes: 1) describe the main content of ontology and metaphysics in the context of the historical development of philosophy; 2) explain the specifics of philosophical understanding of reality; 3) substantiate the worldview as a product of philosophical understanding and study of the natural and social world; 4) classify the methods of scientific and philosophical knowledge of the world; 5) interpret the content and specific features of the mythological, religious and scientific worldview; 6) to substantiate the role and significance of key ideological concepts as values of social and personal existence of a person in the modern world; 7) analyze the philosophical aspect of media texts, socio-cultural and personal situations to justify and make ethical decisions; 8) formulate and competently argue their own moral position in relation to the current problems of modern global society; 9) conduct research relevant to identify the philosophical content of problems in the professional field and present the results for discussion.
1	Sociology	General education	Have an idea: about the subject and the basic laws of sociology, about the social structure of society and the ways of socialization of personality in society; about the sociological approach to personality, the basic laws and forms of regulation of its social behavior; about the mechanism of the emergence of social communities and social groups, the dynamics of social processes. To know: the main categories of sociology and their place in the analysis of social phenomena; typology, the main sources of the emergence and development of mass social movements, forms of social interactions, factors of social development of society; types and structures of social organizations; the main features of social institutions; the content

			of the theory of social management in organizations. Be able to: analyze the social structure of society, the nature of the changes taking place in it; apply the basic provisions of sociological science to analyze social phenomena and processes occurring in society and production collectives; conduct sociological research and have the skill of processing empirical social information; use the results of sociological research to solve practical problems of training and education of subordinates, increase the efficiency of economic work.
1	Politicalogy	General education	To know: - the main stages of the development of political knowledge in the history of civilization; - schools and directions of modern political science; - political life of society; - the political system and its institutions; - the essence of political processes in the country and the world. Master skills and abilities: - to use scientific methods of cognition, which contributes to the formation of a scientific worldview; - to show the place of political science in the system of social sciences and humanities; - independently analyze, think critically and politically; - develop your intelligence and broaden your horizons; - develop their civic position and bear social responsibility to society.
1	Culturology	General education	The student has the following learning outcomes: - must study and understand the essence and role of culture in the life of society, its structure and functions, its typologization, differentiation into branches, types and forms, the human-making purpose of culture; - be able to analyze theoretical systems, concepts and categories that make it possible to form a holistic picture of the formation and development of culture, and formulate rules of description that reflect the specifics of the deployment of socio-cultural processes; - must analyze and carry out an adequate assessment of the impact of the integral phenomenon of culture, its various types, branches, types and forms on the formation of social and spiritual qualities of the individual, social community, society as a whole; - must be able to explain the features of cultural complexes, phenomena and events, the mechanisms of functioning of cultural agents and institutions, their socializing effect on

			the formation of personality based on scientific understanding of the revealed facts, trends and patterns of development of socio-cultural processes
1	Psychology	General education	To know: - the meaning and place of psychology in the system of sciences; - the main directions of personality development in modern psychology; - personal values and meanings in professional self-determination; - interrelation and mutual influence of the psyche and body; - techniques and techniques of effective communication. Be able to: - to study the psychological characteristics of students and classroom groups to solve professional problems; - take into account the individual psychological characteristics of the individual when designing the educational process; - identify patterns of behavior in a conflict situation and conduct self-diagnosis of the prevailing type of behavior in a conflict situation; - develop psychological recommendations for the development of tolerant behavior. Master: - personal self-regulation skills (stress management); - skills of prevention of emotional burnout in professional activity; - psychological impact recognition skills; - effective communication skills.
1,2	Physical culture	General education	To know: - the role of physical culture in the development and training of a specialist; - fundamentals of the state policy of the Republic of Kazakhstan in the field of physical culture and sports; - theoretical and methodological foundations of physical culture; - the main achievements of the Republic of Kazakhstan in the field of physical culture; - hygienic and organizational bases of physical culture and sports. Be able to: - use practical skills and abilities in life that ensure the preservation and strengthening of health, development and improvement of psychophysical abilities and qualities; - use physical culture, sports and wellness activities to achieve life and professional goals; - apply the rules for the safe conduct of physical exercises and sports. Possess: - the skills of organizing mass sports competitions; - exercises for professional and pedagogical physical training, general physical training, special physical training, as

			well as apply special games in practice; - a system of practical skills that ensure the preservation and strengthening of health, development and improvement of psychomotor abilities and qualities.
1	Fundamentals of market economy and entrepreneurship	General education	To know: the functions of money, the reasons for differences in the level of wages; the main types of taxes; organizational and legal forms of entrepreneurship; types of securities; factors of economic growth; the current state of the theory and practice of entrepreneurial activity; the specifics of entrepreneurial activity; Be able to: give examples of factors of production and factor incomes, public goods, Kazakhstani enterprises of various organizational forms, global economic problems; use methods of entrepreneurial activity; Skills: obtaining and evaluating economic information; drawing up a family budget; evaluating one's own economic actions as a consumer, family member and citizen.
1	Fundamentals of law and anti-corruption culture	General education	As a result of studying the discipline, students should know: the essence of corruption and the causes of its origin, the measure of moral and legal responsibility for corruption offenses. Be able to: possess the skills to acquire new knowledge about the anti-corruption culture is an integral interdisciplinary knowledge system.
1	Basics of safety and life and ecology	General education	To know: the legislative framework for life safety and environmental control, as well as methods for identifying, eliminating the influence of harmful factors on humans and the environment, and ensuring comfortable conditions for human life and activity. Be able to: systematize safety standards for use in professional activities; choose methods of protection from hazards in relation to the field of their professional activities and choose ways to ensure comfortable living conditions. Have the skills to ensure the safety of life in industrial, domestic conditions and in emergency situations, the skills of first aid.
1	Age physiology and school hygiene	Natural Science	Students should:- know: • general patterns of growth and development of the body; • age-related features of physiology and hygiene of all systems of the child's body;• hygienic requirements for buildings, classrooms, the air environment, lighting of classrooms and equipment of schools; • hygienic foundations of the organization of the educational process and the daily routine for children of six years of age; • fundamentals of the health of children and adolescents, familiarization with the rules of a healthy lifestyle; - be able to: • apply methods and means of cognition, training and self-control for their intellectual

			development, cultural level improvement, professional competence, preservation of their health, moral and physical self-improvement; - possess the skills of: • using knowledge about the modern natural science picture of the world in educational and professional activities;• organization of educational work with children and adolescents, taking into account the anatomical and physiological characteristics of the body in different age periods, as well as taking into account the hygienic requirements for the building and classrooms, furniture and equipment of schools; • ensuring the protection of life and health of students in the educational process and extracurricular activities; • countering adverse environmental factors by introducing children and adolescents to the formation of a healthy lifestyle and health promotion.
1	Pedagogy	Professional	to know: - about the role of science and education in public life; - about current trends in the global educational space; - about the professional competence of a teacher of 12-year secondary education; - about the social purpose and role of a teacher in modern society; - about the social meaning and content of their future specialty; - about the object of the future teacher's activity; - about the factors of continuous professional and personal formation of a teacher; - about the education system of the Republic of Kazakhstan; - theoretical and methodological foundations of pedagogy and the history of its development, the world pedagogical heritage; - theory and practice of the holistic pedagogical process; - technology for the implementation of the pedagogical process; be able to: - to carry out pedagogical communication and interaction in the pedagogical process; - to design and carry out educational work in accordance with the laws, educational mechanisms of the pedagogical process; - to diagnose the educational process in the classroom according to the main characteristics (variables) and predict its further development; - formulate educational tasks, choose activities, forms and methods adequate to these tasks; - develop their own approaches to the process of education and upbringing, comprehend

			the trends in the development of educational systems at different stages of history; possess skills: - research activities; - pedagogical communication and pedagogical techniques; - organization of subject-subject interaction of all participants of the pedagogical process; - the use of pedagogical technologies in the educational process; - application of the acquired knowledge during the period of professional practice.
1	Educational practice	Professional	To know - the history of the development of the subject of psychology and the development of man and Soviet and foreign psychology; - characteristics of psychology and human development as a science, its methods and tasks; dynamics of development and structure of personality and human activity; - To have an idea of the psychological features of a person's personality in ontogenesis and phylogeny. Have - an idea of the psychological features of a person's personality in ontogenesis and phylogeny: Be able to - use the acquired knowledge in practice; - to create a methodological basis for monitoring the progress, completeness of the content and conditions of the child's mental development.
2	Psychology and human development	Professional	To know: - theoretical and methodological foundations of management in education: functions, patterns, principles, methods of pedagogical management, system-forming factors of pedagogical management, the history of the development of management concepts in education: features of school management based on systematic, humane, competence and technological approaches: - fundamentals of the management of the holistic pedagogical process of the school; -conditions for effective management of the teaching staff of the school Be able to: - apply the acquired theoretical knowledge in the practice of managing an educational institution;

			- to carry out diagnostic, analytical and design activities within the framework of a unified management system of an educational institution; - design and implement various types of management activities; - to use the skills of systematic, humane, human-centered, competence-based and technological approaches to the management of an educational institution; - to evaluate the quality of management activities from the standpoint of the holistic pedagogical process of the school as an open pedagogical system; - to be involved in the methodological work of an educational institution, to analyze and evaluate the effectiveness of the educational process using modern methods of assessing the quality of education, upbringing and development of students, to apply methods of work to overcome the limitations of pedagogical management. Own: - theoretical knowledge on the basics of pedagogical management in accordance with modern requirements; the skills of designing and analyzing the management of the holistic pedagogical process of the school. - skills of research activity; - pedagogical communication skills; - skills of organizing subject-subject interaction of all participants in the pedagogical process; - the skills of applying the acquired knowledge during the period of professional practice, as well as in solving professional tasks; be flexible and mobile in various conditions and situations related to the activities of the management of the CPP.
2	Management in education	Professional	Must master the knowledge: - about the essence, goals and objectives of educational work in school and classroom; - about the modern concept of education in the Republic of Kazakhstan and educational systems of school and class; - about the system and activities of the class teacher; - on the forms and methods of pedagogical interaction and cooperation of the subjects of the educational process-teachers, students, parents; - about the patterns of development and methods of forming a children's collective; - about the forms, methods, means and techniques of educational work in various

			directions, - about modern technologies of education; - on the diagnosis of the results of educational work. Must be able to: - to model, plan and carry out educational work in the classroom, school with a focus on the formation of a citizen of Kazakhstan on the basis of universal and national values; - choose the types of education taking into account its goals and objectives, as well as the age and individual characteristics of the pupils; - variatively apply methods and techniques of education, select and use means, organizational forms of education; - to carry out pedagogical guidance and management of the process of forming a class team and organizing its activities; - organize class hours, CTD and educational events of various directions; - to choose and use innovative technologies of education, including technologies of re-education of difficult children; - choose forms of effective cooperation with parents; - organize work with gifted children; - plan, organize and conduct career guidance work in the classroom and school; - to study the effectiveness of the educational process and methodically ensure it. Must master the skills: - theoretical knowledge on the basics of pedagogical management in accordance with modern requirements; -the skills of designing and analyzing the management of the holistic pedagogical process of the school; - research skills; - pedagogical communication skills; - skills of organizing subject-subject interaction of all participants in the pedagogical process; - the skills of applying the acquired knowledge during the period of professional practice, as well as in solving professional tasks; be flexible and mobile in various conditions and situations related to the activities of the management of the CPP.

2	Theory and methods of educational work	Professional	To know: - The Law of the Republic of Kazakhstan "On social and medical-pedagogical correctional support for children with disabilities"; other international and republican legal and by-laws regulating the activities of general education organizations operating in inclusive education; - the essence, content, structure of educational processes and systems, pedagogical technologies and innovative processes in the field of inclusive education; - the main directions and prospects for the development of inclusive education and pedagogical science; - the essence and specifics of the professional activity of teachers of general education organizations and teachers-defectologists in the process of inclusive education; - concepts of psychological and pedagogical assistance and systems of correctional and pedagogical influence. Be able to: - to find, analyze and systematize information on the organization of inclusive education; - to use in professional activity the main international and domestic documents on the rights of the child and the rights of persons with disabilities to receive a quality education; - design work to inform the public about the problems of education of persons with disabilities; - to design the directions of correctional and pedagogical influence in the conditions of inclusive education, depending on the type of impaired development, the needs of the child, learning conditions, resources of the locality; - to organize and provide optimal socio-environmental and educational (professional) conditions for children with disabilities in general education organizations.
2	Psychological and pedagogical practice	Professional	Know: professional terminology, subject area in Kazakh (Russian) language, in the practice of communication and professional activity. Be able to: consistently and competently formulate and express their thoughts in their native language, possess oral and written language skills in Kazakh (Russian) to work with scientific texts and public speeches; possess a lexical and terminological minimum in the specialty; be able to use oral communication skills in general scientific and professional communication. Skills: have skills of developing communication tools, skills of expressing their thoughts

			in Kazakh (Russian) using chemical, biological and biotechnological terms; possess the basic principles of translation.; has foreign language skills to a degree sufficient for successful communication with educated native speakers, both in written and oral form, including on professional topics; proficiency in professional terminology in biotechnology; the use of the state language in professional activities, scientific and practical work, in communication with foreign colleagues, for self-educational and other purposes;
3	Kazakh (Russian) language	Professional	To know: features of oral and written professionally-oriented texts, including scientific and technical ones; general scientific terminology of the specialty in English; the main stylistic characteristics of the scientific presentation of the material in the studied foreign language. Be able to: read fluently, translate original literature on the chosen specialty; independently prepare and make oral reports on professional topics, including using multimedia tools; recognize and use the basic terminology of the specialty in oral and written statements. Have the following skills: independent reading and translation of original literature in the specialty in order to extract the necessary information; writing articles, abstracts and reports related to the scientific interests of students; Is able to use a foreign language in professional activities, scientific and practical work, in communication with foreign colleagues, for self-educational and other purposes;
2	Anatomy the basics of sports morphology and biomechanics	Natural Science	Know: the basics of anatomy with the basics of sports morphology Be able to: conduct laboratory work on the structure of various muscle groups Skills: improve professional skills Learning outcomes: analyze anatomical, data and processes occurring during muscular and athletic activity and apply this knowledge and understanding at a professional level.
	Human anatomy		To know: - anatomical structure of the human body, justification of means and methods of physical education. Be able to: - perform physical exercises that affect the body and outline ways to improve it. Skills: - competently use knowledge about the structure of the human body, about the activity of the central nervous system and organs of internal secretion; - determine the impact of physical exertion on the human body.

			Learning outcomes: analyze anatomical, data and processes occurring during muscular and athletic activity and apply this knowledge and understanding at a professional level.
2	Human physiology	Natural Science	Know: the basics of human physiology Be able to: apply physical activity in various activities Skills: improve professional skills Learning outcomes: analyze anatomical, data and processes occurring during muscular and athletic activity and apply this knowledge and understanding at a professional level.
	Human development		Know: fundamentals of human development Be able to: apply development in various activities Skills: improve professional skills Learning outcomes: analyze anatomical, data and processes occurring during muscular and athletic activity and apply this knowledge and understanding at a professional level.
2	Fire and bullet preparation	Specially-basic	Know: fire and bullet training Be able to: use types of small arms and sports weapons Skills: improve professional skills Learning outcomes: have a military-professional orientation, which is an important element of compulsory and voluntary training of students for military service and their military-patriotic education. Demonstrates the ability to handle weapons, shooting skills play an important role in preparing students for service in the Armed Forces of the Republic of Kazakhstan. The ability to organize and conduct training of students in the rules of safe handling of weapons, ammunition and imitation means; training in the material and technical part of small arms; the basics and rules of shooting; implementation of control standards.
	Elements of shooting		Know the basics of military service Be able to:apply theoretical knowledge in the field of military affairs, management of various military units Skills: improve professional skills Learning outcomes: have a military-professional orientation, which is an important element of compulsory and voluntary training of students for military service and their military-patriotic education. Demonstrates the ability to handle weapons, shooting skills play an important role in preparing students for service in the Armed Forces of the Republic of Kazakhstan. The ability to organize and conduct training of students in the

			rules of safe handling of weapons, ammunition and imitation means; training in the material and technical part of small arms; the basics and rules of shooting; implementation of control standards.
2	Tactical training and topography	Specially-profiling	Know: basics of tactical training and topography Be able to: handle various types as well as work with military equipment of various modifications Skills: improve professional skills Learning outcomes: have a military-professional orientation, which is an important element of compulsory and voluntary training of students for military service and their military-patriotic education. Demonstrates the ability to handle weapons, shooting skills play an important role in preparing students for service in the Armed Forces of the Republic of Kazakhstan. The ability to organize and conduct training of students in the rules of safe handling of weapons, ammunition and imitation means; training in the material and technical part of small arms; the basics and rules of shooting; implementation of control standards.
	Operational-tactical training		Know: operational and tactical training Be able to: handle various types as well as work with military equipment of various modifications Skills: improve professional skills Learning outcomes: have a military-professional orientation, which is an important element of compulsory and voluntary training of students for military service and their military-patriotic education. Demonstrates the ability to handle weapons, shooting skills play an important role in preparing students for service in the Armed Forces of the Republic of Kazakhstan. The ability to organize and conduct training of students in the rules of safe handling of weapons, ammunition and imitation means; training in the material and technical part of small arms; the basics and rules of shooting; implementation of control standards.
2	Fundamentals of basic military training	Specially-basic	Know: The Constitution of the Republic of Kazakhstan, Laws of the Republic of Kazakhstan and decrees of the President of the Republic of Kazakhstan on the protection of the state Be able to: formulate a specialist model Skills: improve professional skills

			Learning outcomes: apply the acquired knowledge to solve pedagogical, educational and scientific-methodical tasks, taking into account age and individual typological differences of students in specific pedagogical situations;
	Introduction to office work in military units		Know: introduction to office work in military units Be able to: formulate a specialist model Skills: improve professional skills Learning outcomes: apply the acquired knowledge to solve pedagogical, educational and scientific-methodical tasks, taking into account age and individual typological differences of students in specific pedagogical situations;
3	Methods of teaching basic military training	Specially-basic	Know the methodology of teaching basic military training Be able to: possess skills and abilities in performing combat operations in various types of combat. Skills: improve professional skills Results of training: to substantiate the main categories, principles, methods and form of organization of the educational process used in the field of initial military training; to organize and conduct events on military – patriotic education, the work of military – technical circles and sections;
	Methods of teaching drill classes		Know: the basics of drill Be able to: move, rearrange in rows and ranks Skills:improve professional skills Results of training: to substantiate the main categories, principles, methods and form of organization of the educational process used in the field of initial military training; to organize and conduct events on military – patriotic education, the work of military – technical circles and sections;
3	Civil Defense and Emergencies	Specially-profiling	Know: basics of civil defense emergencies Be able to: apply protective structures and knowledge of radiation reconnaissance devices of the area Skills: improve professional skills Learning outcomes: analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of physical exercises, sports tactical actions.

	Initial population anti-terrorism training		To know: the basics of initial anti-terrorist training of the population Be able to: apply protective structures and knowledge of radiation reconnaissance devices, Skills: improve professional skills Learning outcomes: analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of physical exercises, sports tactical actions.
3	Swimming	General cultural	Know: the basics of swimming with teaching methods Be able to: with different ways of swimming Skills: improve professional skills Learning outcomes: analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of physical exercises, sports tactical actions.
	Diving		Know: the basics of diving Be able to: with different ways of swimming Skills: improve professional skills Learning outcomes: analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of physical exercises, sports tactical actions.
3	Physiological basis of physical education and sports	Natural Science	To know:– knows and owns key concepts and a complex of scientific knowledge on physiology, the basics of the influence of physical activity on the body. Be able to: – be able to analyze physiological states and processes occurring during muscular and athletic activity ; Skills: - is able to apply a set of skills for physiological control and independent analysis of the athlete's condition, decision-making during sports selection according to physiological indicators and for correction of physical exertion in case of incorrect application. Learning outcomes: analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of

			physical exercises, sports tactical actions.
	Physiology of sports		To know: – physiological features of adaptation to physical exertion in sports, changes in the functions of various organs and body systems in sports, – hereditary effects on morphofunctional features and physical qualities of a person in sports Be able to: – determine the value of a genetically adequate and inadequate choice of sports specialization, style of competitive activity and sensorimotor dominance in sports; – use genetic markers to search for highly and quickly trained athletes in sports Skills: - taking into account the physiological and genetic characteristics of a person in sports selection in sports – assessing the dynamics of body functions during adaptation and Its stages of distinguishing urgent and long-term adaptation to physical exertion are assessed by the functional system of adaptation in sports. Learning outcomes: analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of physical exercises, sports tactical actions.
3	Military - sports games	Specially-basic	Know: the basics of military sports games Be able to: apply methods for conducting military sports games with children, teenagers, young men, adult athletes Skills: improve professional skills Learning outcomes: to classify the technique and tactics of sports games; to make plans – summaries of a training session on sports games with different pedagogical orientation, to adjust the amount of load depending on the tasks of the lesson and the ability to demonstrate the methodology and sequence of teaching game actions;
	Types of military equipment and their use		Know: types of military equipment and their application Be able to: shoot from combat vehicles:shooting from armament of armored personnel carriers Skills: improve professional skills Learning outcomes: to classify the technique and tactics of sports games; to make plans – summaries of a training session on sports games with different pedagogical orientation, to adjust the amount of load depending on the tasks of the lesson and the ability to demonstrate the methodology and sequence of teaching game actions;

3	History of military art and armed forces of the Republic of Kazakhstan	Specially-basic	Know: the basics of the history of military art Be able to: conduct classes on the history of military art Skills: improve professional skills Learning outcomes: demonstrate knowledge and understanding in the field under study, be competitive at a professional level, apply this knowledge and skills in an international environment. Possess the skills of handling modern equipment, be able to use information technology in the field of initial military training, the application of theoretical knowledge and practical skills in initial military training in educational and everyday life
	Secret documents		Know: Secret documents Be able to: conduct classes on secret documents Skills: improve professional skills Learning outcomes: demonstrate knowledge and understanding in the field under study, be competitive at a professional level, apply this knowledge and skills in an international environment. Possess the skills of handling modern equipment, be able to use information technology in the field of initial military training, the application of theoretical knowledge and practical skills in initial military training in educational and everyday life
4	Modern firearms	Specially-basic	Know: modern firearms Be able to: shoot from combat vehicles:shooting from armament of armored personnel carriers, shooting from armed infantry fighting vehicles Skills: improve professional skills The results of the training: to evaluate the problems and processes of public life of the Republic of Kazakhstan from a methodological standpoint, to realize the value of national culture, respectfully and carefully treat the historical heritage and cultural traditions of all peoples and ethnic groups living in the Republic of Kazakhstan;
	Basics of shooting from small arms		Know: modern firearms Be able to: shoot from combat vehicles:shooting from armament of armored personnel carriers, shooting from armed infantry fighting vehicles Skills: improve professional skills The results of the training: to evaluate the problems and processes of public life of the Republic of Kazakhstan from a methodological standpoint, to realize the value of national culture, respectfully and carefully treat the historical heritage and cultural traditions of all peoples and ethnic groups living in the Republic of Kazakhstan;

4	Fundamentals of military pedagogical culture	Specially-basic	To know: the basics of military pedagogical culture Be able to: form a professional and pedagogical personality Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.
	Scientific - pedagogical research		Know: the basics of scientific and pedagogical research Be able to: form a professional and pedagogical personality Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.
4	Athletics	Specially-basic	Know: the basics of athletics Be able to: conduct classes on the basics of athletics Skills: improve professional skills Learning outcomes: to classify the technique and tactics of sports games; to make plans – summaries of a training session on sports games with different pedagogical orientation, to adjust the amount of load depending on the tasks of the lesson and the ability to demonstrate the methodology and sequence of teaching game actions;
	Basics of general and special training of military personnel		Know: the basics of physical education of military personnel Be able to: apply running exercises with obstacles, march throw in full combat gear, develop the physical qualities of a specialist on Skills: improve professional skills Learning outcomes: to classify the technique and tactics of sports games; to make plans – summaries of a training session on sports games with different pedagogical orientation, to adjust the amount of load depending on the tasks of the lesson and the ability to demonstrate the methodology and sequence of teaching game actions;
4	Therapeutic and preventive measures in military units	Specially-basic	To know: the basics of medical and preventive measures in military units Be able to:to carry out preventive measures aimed at preventing diseases in the military unit

			Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.
	History of health science		Know: the basics of the history of health science Be able to: carry out preventive measures aimed at preventing diseases in a military unit Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.
2	General military statutes of the Armed Forces of the Republic of Kazakhstan and drill	Professional	To know: general military regulations of the Armed Forces of the Republic of Kazakhstan, the procedure for military service, general rights, duties, responsibilities of military personnel and the basics of drill training; planning, preparation, organization of drill training. Be able to: use knowledge about the general military regulations of the Armed Forces of the Republic of Kazakhstan and organize drill classes. Skills: using the acquired knowledge in practice; performing drill techniques on the spot and in motion with and without weapons; organizing and conducting practical drill training. Learning outcomes: demonstrates professional and pedagogical skills in relationships with students based on the moral norms of behavior specified in the provisions of the general military statutes and preparation for pedagogical work in the following areas: legal, educational, professional. He is able to plan correctly, organize accurately and methodically conduct drill exercises correctly, in strict accordance with the requirements of the Drill Charter of the Armed Forces of the Republic of Kazakhstan;

2	Basics of military patriotic education	Professional	To know: the system of military-patriotic education at the present stage and its history, using social and communicative interaction; information about specialized classes in the system of military-patriotic education, the system of extracurricular activities of military-patriotic orientation at school. Be able to: analyze and apply knowledge about military-patriotic education and comprehensive training of students for military service, to fulfill their duty to protect. Skills: to improve professional skills using knowledge about the system of military-patriotic education in educational institutions. Learning outcomes: demonstrate knowledge and understanding in the field under study, be competitive at a professional level, apply this knowledge and skills in an international environment. Possess the skills of handling modern equipment, be able to use information technology in the field of initial military training, the application of theoretical knowledge and practical skills in initial military training in educational and everyday life.
3	Military technical and engineering training	Professional	To know: about military engineering training in the system of military formations; overcoming engineering barriers; management and communication in the system of military formations; organization of radio communication, communication by wire means; military technical training. Be able to: apply knowledge of the technical characteristics of weapons and equipment of the Armed Forces of the Republic of Kazakhstan in the organization and conduct of various events. Skills: possess engineering training skills. Learning outcomes: evaluate and determine the relevance of problems in the acts of communication, analyze educational material in the field of initial military training; discuss events, subjects, contrast facts, compare different points of view on the problem that has arisen, discuss professional knowledge, pedagogical skills and style of pedagogical communication.
2	Methods of conducting field studies	Specially-basic	To know: the methodology of conducting field training Be able to: possess skills and abilities in performing combat operations in various types of combat. Skills: improve professional skills Learning outcomes: apply the acquired knowledge to solve pedagogical, educational and scientific-methodical tasks, taking into account age and individual typological differences

			of students in specific pedagogical situations;
	Outdoor games		Know: the methodology of outdoor games Be able to: master the basics of teaching techniques, tactics of training and competitive activities. Skills: improve professional skills Learning outcomes: apply the acquired knowledge to solve pedagogical, educational, scientific and methodological tasks, taking into account age and individual typological differences of students in specific pedagogical situations;
3	Fundamentals of physical education of military personnel	Specially-basic	Know: the basics of physical education of military personnel Be able to: apply running exercises with obstacles, march throw in full combat gear, develop the physical qualities of a specialist on Skills: improve professional skills Learning outcomes: – analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of physical exercises, sports tactical actions.
	The basics of military morality		To know: the basics of military and moral education Be able to: develop the moral qualities of a specialist Skills: improve professional skills Learning outcomes:– analyze the adequacy of physical activity to the physiological capabilities of the body, depending on age, gender, level of athletic training in cyclic sports; possess the skills of analysis, training, demonstration of movement techniques of physical exercises, sports tactical actions.
3	Extremism and terrorism as a threat to national security	Specially-profiling	Know: basics of civil defense emergencies Be able to: apply protective structures and knowledge of radiation reconnaissance devices of the area Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.

	Terrorism and security		To know: the basics of initial anti-terrorist training of the population Be able to: apply protective structures and knowledge of radiation reconnaissance devices, Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.
3	Military intelligence and search work on the ground	Specially-profiling	Know military intelligence and search work on the ground Be able to: perform movements on the battlefield, choose a firing position (a place for shooting), conduct surveillance in a given sector, Skills:improve professional skills Learning outcomes: demonstrate knowledge and understanding in the field under study, be competitive at a professional level, apply this knowledge and skills in an international environment. Possess the skills of handling modern equipment, be able to use information technology in the field of initial military training, the application of theoretical knowledge and practical skills in initial military training in educational and everyday life.
	Information technology in school		Know information technology in the secondary school Be able to:apply interactive learning technologies: interactive whiteboard, applications in the educational process Skills: improve professional skills Learning outcomes: demonstrate knowledge and understanding in the field under study, be competitive at a professional level, apply this knowledge and skills in an international environment. Possess the skills of handling modern equipment, be able to use information technology in the field of initial military training, the application of theoretical knowledge and practical skills in initial military training in educational and everyday life.
4	Types of wrestling and hand-to-hand combat	Specially-profiling	Know: the basics of fighting and hand-to-hand combat Be able to:conduct classes on teaching the basics of techniques of types of wrestling and hand-to-hand combat with students of secondary schools Skills: improve professional skills Learning outcomes: - classify the technique and tactics of sports games; make plans – summaries of a training session on sports games with different pedagogical orientation, adjust the amount of load depending on the tasks of the lesson and the ability to

			demonstrate the methodology and sequence of teaching game actions;
	Military classification		Know: the basics of fighting and hand-to-hand combat Be able to:conduct classes on teaching the basics of techniques of types of wrestling and hand-to-hand combat with students of secondary schools Skills: improve professional skills Learning outcomes: - classify the technique and tactics of sports games; make plans – summaries of a training session on sports games with different pedagogical orientation, adjust the amount of load depending on the tasks of the lesson and the ability to demonstrate the methodology and sequence of teaching game actions;
4	Military medical training	Specially-basic	Know the methodology of military medical training Be able to:provide first aid in peacetime and wartime Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.
	Healing Fitness		Know the methodology of therapeutic physical culture Be able to: use means of physical education and massage techniques for the treatment of patients with various diseases Skills: improve professional skills Learning outcomes: apply practical techniques of physical therapy and methods of recreational physical culture and sports activities with various groups of the population; analyze the results of conducted and attended lessons and correctly apply the practical skill.
4	Basics of military robotics and information technology (IT)	Specially-profiling	Know outdoor games with shooting elements Be able to: modernize and systematize additional education programs in the field of robotics, mechatronics, and scientific and technical creativity. Skills: improve professional skills Learning outcomes: demonstrate knowledge and understanding in the field under study, be competitive at a professional level, apply this knowledge and skills in an international environment. Possess the skills of handling modern equipment, be able to use information technology in the field of initial military training, the application of theoretical knowledge and practical skills in initial military training in educational and everyday life.

	Mechatronics and Robotics		Know outdoor games with shooting elements Be able to: increase the efficiency of using interactive technologies and modern technical training tools Skills: improve professional skills Learning outcomes: demonstrate knowledge and understanding in the field under study, be competitive at a professional level, apply this knowledge and skills in an international environment. Possess the skills of handling modern equipment, be able to use information technology in the field of initial military training, the application of theoretical knowledge and practical skills in initial military training in educational and everyday life.
4	Outdoor games with shooting elements	Specially-profiling	Know: outdoor games with shooting elements Be able to: use outdoor games with elements of shooting from various types of automatic weapons and other types of small arms and sports weapons Skills: improve professional skills Learning outcomes: to classify the technique and tactics of sports games; to make plans – summaries of a training session on sports games with different pedagogical orientation, to adjust the amount of load depending on the tasks of the lesson and the ability to demonstrate the methodology and sequence of teaching game actions;
	Firing elements		Know : the basics of military service Be able to:apply theoretical knowledge in the field of military affairs, management of various military units Skills: improve professional skills Learning outcomes: to classify the technique and tactics of sports games; to make plans – summaries of a training session on sports games with different pedagogical orientation, to adjust the amount of load depending on the tasks of the lesson and the ability to demonstrate the methodology and sequence of teaching game actions;

Table 3. List of modules included in the educational program

Module No.	Name of the module	List of disciplines included in the module		Block	Semester	Volume of loans	Form of control	Total credits by module
M.1	Historical and Social Studies	Modern history of Kazakhstan		GED MC	1	5	ГЭ	5
M.2	Language and communication	Foreign language		GED MC	1,2	10	exa	10
		Kazakh (Russian) language		GED MC	1,2	10	exa	10
M.3	Information technology	Information and communication technology (English)		GED MC	2	5	exa	5
M.4	Social and humanitarian	Philosophy		GED MC	3	5	exa	5
		Sociology		GED MC	1	2	exa	2
		Politicalogy		GED MC	2	2	exa	2
		Culturology		GED MC	1	2	exa	2
		Psychology		GED MC	2	2	exa	2
M.5	*Module of economic – legal and natural knowledge*	*Module of economic and legal knowledge*	*Module of economic and legal knowledge*	GED CC	2	2	exa	2
		Fundamentals of market economy and entrepreneurship/Fundamentals of law and anti-corruption culture	Fundamentals of market economy and entrepreneurship/ Basics of safety and life and ecology		2	3	exa	3
M.5	Physical culture	Physical culture		GED MC	1,2,3,4	8	credit	8
M.6	Age physiology and psychological and pedagogical work	Age physiology and school hygiene		BD UC	2	3	exa	3
		Pedagogy		BD UC	1	5	exa	5
		Educational practice		BD UC	2	1	credit	1
		Psychology and human development		BD UC	1	4	exa	4

M.7	Education	Management in education	BD UC	3	3	exa	3
		Theory and methods of educational work	BD UC	3	3	exa	3
		Inclusive education	BD UC	4	3	exa	3
		Psychological and pedagogical practice	BD UC	4	2	credit	2
		Educational pedagogical practice	BD UC	5	2	credit	2
M.8	Features of the human body	Anatomy the basics of sports morphology and biomechanics \Human anatomy	BD CC	3	6	exa	6
		Human physiology /Human development	BD CC	3	6	exa	6
M.9	General regulations and military training	General military statutes of the Armed Forces of the Republic of Kazakhstan and drill	PD UC	3	5	exa	5
		Basics of military patriotic education	PD UC	4	5	exa	5
M.10	Fire and tactical training	Fire and bullet preparation \Elements of shooting	BD CC	4	5	exa	5
		Tactical training and topography\Operational-tactical training	BD CC	4	5	exa	5
M.11	The basics of IMT and military topography	Fundamentals of basic military training \Introduction to office work in military units	BD CC	4	5	exa	5
		Military technical and engineering training	PD UC	5	5	exa	5
M.12	Methods of teaching IMT	Methods of conducting field studies\Outdoor games	PD CC	4	3	exa	3
		Methods of teaching basic military training \Methods of teaching drill classes	BD CC	5	6	exa	6
M.13	Professional languages	Kazakh (Russian) language	BD UC	5	3	exa	3
		Professionally-oriented foreign language	BD UC	6	3	exa	3
M.14	Fundamentals of scientific and methodological activity and martial arts	Fundamentals of physical education of military personnel \The basics of military morality	PD CC	5	4	exa	4
		Swimming \Diving	BD CC	5	5	exa	5
		Physiological basis of physical education and sports\Physiology of sports	BD CC	6	6	exa	6
M.15	Extremism and civil defense and emergencies	Extremism and terrorism as a threat to national security\Terrorism and security	PD CC	6	5	exa	5

		Civil Defense and Emergencies\Initial population anti-terrorism training	BD CC	5	5	exa	5
M.16	The history of military art and military intelligence and search work on the ground	History of military art and armed forces of the Republic of Kazakhstan \Secret documents	BD CC	6	5	exa	5
		Military intelligence and search work on the ground \Information technology in school	PD CC	6	5	exa	5
		Fundamentals of military pedagogical culture/Scientific - pedagogical research	BD CC	7	5	exa	5
M.17	Sports and IMT	Military - sports games\Types of military equipment and their use	BD CC	6	6	exa	6
		Athletics\Basics of general and special training of military personnel	BD CC	7	5	exa	5
		Types of wrestling and hand-to-hand combat \Military classification	PD CC	7	5	exa	5
		Outdoor games with shooting elements\Firing elements	PD CC	8	5	exa	5
M.18	Military medicine	Therapeutic and preventive measures in military units \History of health science	BD CC	7	5	exa	5
		Military medical training\Healing Fitness	PD CC	7	5	exa	5
M.19	Firearms and robotics	Modern firearms \Basics of shooting from small arms	BD CC	7	5	exa	5
		Basics of military robotics and information technology (IT)\ Mechatronics and Robotics	PD CC	8	6	exa	6
M.20	Practice	Industrial (pedagogical) practice	PD UC	8	5	credit	5
		Undergraduate practice	PD UC	8	2	credit	2
M.21	Final state certification	Writing and defending a thesis or preparing and passing a comprehensive exam	ATT	8	12	FSC	12