

SPECIALTY PROGRAMME

Educational program of the Specialty «6M010300 – Pedagogy and Psychology» Graduate Level (Master of Pedagogical Sciences)

Education purposes in «6M010300 – Pedagogy and Psychology» are:

- training of qualified specialists for activities requiring in-depth and professional training in the field of Pedagogy and Psychology;
- developing systematized knowledge, core competencies and special masters who know how to use modern methods of studying the general laws;
- developing the key and special competencies in masters, with high social and civic responsibility, capable of carrying out a professional activity;
- acquiring of graduates the principles of specific researches and experimental methods of observations and analysis of pedagogical processes and events;
- developing human, social and personal values in the context of scientific thinking and outlook.

1. List of qualifications and positions

Graduates of this educational program are assigned to the degree of Master of Pedagogical Sciences in «6M010300 – Pedagogy and Psychology». Master of Pedagogical Sciences in «6M010300 – Pedagogy and Psychology» with no experience necessary as a high-level specialist without category in accordance with the Model Qualification Characteristics of Teaching Staff and Relevant Persons, approved by Order of The Ministry of Education and Science of the Republic of Kazakhstan (13 July 2009 № 338), with amendments (09 June 2011 № 241, 27 December 2013 № 512) may hold positions without requiring an experience:

- teacher;
- teacher (assistant).

In accordance with the Model Qualification Characteristics of Teaching Staff and Relevant Persons, approved by Order of the Minister of Labour and Social Welfare of the Republic of Kazakhstan dated May 21, 2012 № 201p:

- Junior Researcher (if the recommendations of institutions of higher education councils (faculty) to the position of a junior researcher can be assigned on an exceptional university graduates (master's), gain experience during the training period).

2. The qualifying characteristic of the graduate education program

2.1 Professional area

Master of Pedagogical Sciences in «6M010300 – Pedagogy and Psychology» fulfils professional duties in the field of education. Qualifying level according to National Qualifications Framework (NQF) is – 7.

2.2 Objects of professional activity

Objects of professional activity of Master of Pedagogical Sciences in «6M010300 – Pedagogy and Psychology» are:

- teaching at colleges and higher education institutions;

- research institutions;
- authorized and local executive bodies at the education.

2.3 Subject of professional activity

Subjects of professional activity of Master of Pedagogical Sciences in «6M010300 – Pedagogy and Psychology» are:

- organization the learning and teaching with psycho-pedagogical methods and resources;
- organization of research activity;
- supporting the innovative strategies in the management of education.

2.4 Types of professional activity

Master of Pedagogical Sciences in «6M010300 – Pedagogy and Psychology» can perform the following professional activities:

- the educational (pedagogical);
- training-education;
- socio-pedagogical;
- training-technology;
- research;
- organizational-management.

2.5 Functions of professional activity

Functions of Master of Pedagogical Sciences in «6M010300 – Pedagogy and Psychology» are:

- teaching;
- educational;
- career guidance;
- research;
- sanitary-hygienic.

2.6 Standard Tasks of Professional Career

Standard tasks of professional career of Master of Pedagogical Sciences in «6M010300 – Pedagogy and Psychology» are appropriate to the types of professional career:

✓ at the educational activities:

- teaching and development of students, the organization of teaching and learning, design and management of the pedagogical process, diagnostics, correction, prediction of learning outcomes;
- maintain an organized learning process in secondary, technical and vocational schools, institutions of higher education, implementation of methodological knowledge and applied skills in the learning situation;
- studying, conclusion, dissemination innovation experience in education.

✓ at the training-education activities:

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

- selection and use of various forms and methods of education and training of students in Pedagogy and Psychology;
- the formation of social and ethical values based on public opinion, traditions, customs, social norms and the use of their professional activity;
- observing norms of business ethics, and about ethical and legal norms behavior.
- ✓ ***at the training-technology activities:***
 - use in the educational process of innovative educational technologies;
 - participation in the organization of the process of searching and processing information from the pedagogical use of information and communication tools and technologies;
 - the ability to use the acquired knowledge in the field of professional and social-humanitarian disciplines.
- ✓ ***at the socio-pedagogical activities:***
 - creating an enabling environment and the provision of educational support for the education and development of students;
 - the formation of an objective assessment of the level of personal aspirations, standards of business ethics, ethical and legal standards of conduct;
 - development of methods of physical, spiritual and intellectual self-development, the formation of psychological literacy, culture of thinking and behavior.
- ✓ ***at the research activities:***
 - study of scientific literature;
 - studying and generalization of innovative pedagogical experience in the field of Pedagogy and Psychology;
 - possession of algorithm of research activities;
 - the development of research programs and content of the experiment in the field of Pedagogy and Psychology with the introduction of their results in the educational process;
 - the ability to critically evaluate the adequacy of the study methods for solving the problem, a willingness to use modern scientific methods to solve research problems.
- ✓ ***at the organizational - management activities:***
 - construction of educational process in teacher training college and in high school, based on new concepts of training and education;
 - identify ways of organizing and conducting training and educational process;
 - organizational and administrative activity in educational institutions.

2.7 Professional career content

Professional career content of Master of Pedagogical Sciences in «6M010300 – Pedagogy and Psychology»:

- appropriate organization and management of the pedagogical process;
- focus on the active development of studying methods of cognitive activity, the personal importance of education;
- use of student-centered approach to learning to enable self-discovery and self-realization of students;
- use of various pedagogical technologies, creation of favorable conditions for self-education and professional orientation of students;
- fulfilment of professional, research, production activity in accordance with modern requirements.

3. Learning outcomes (general competence)

Learning Outcomes of Master of Pedagogical Sciences in «6M010300 – Pedagogy and Psychology» (7th Level of qualification NQF) in accordance with the Dublin descriptors of the second level of training involves the ability:

- demonstrate knowledge and understanding of educational obtained at the level of higher education, which are the basis for the original or the possibility of development and application of ideas in the context of scientific research;
- apply knowledge, understanding and ability to solve problems in new or unfamiliar situations and contexts within broader (or multidisciplinary) areas related to the field of study;
- integrate knowledge, deal with the complexities and make judgments based on incomplete or limited information, taking into account ethical and social responsibility for the application of these judgments and knowledge;
- clearly communicate their conclusions and the knowledge and support of specialists and non-specialists;
- Life-long learning.

General competence of Master of Pedagogical Sciences in «6M010300 – Pedagogy and Psychology» are developed on the basis of *the key* (the requirements for general education, social, ethical, economic, organizational and managerial competence) and *special* skills.

3.1 Key competence

Requirements to key competences of graduates in scientific and pedagogical magistracy:

1) **To have a view:**

- about role science and education at public life;
- about today trends at development science;
- about current methodological and philosophical problems of pedagogy;
- about professional competence teacher higher school;
- about contradictions and socio - economic consequences processes globalization.

2) **To know:**

- methodology of scientific knowledge;
- the principles and structure of the organization of scientific activity;
- the psychology of cognitive activity in the learning process;
- psychological methods and means to improve the efficiency and quality of education.

3) **To be able to:**

- use gained knowledge for the original development and applications ideas at context scientific studies;
- critically analyze existing concepts, theories and approaches to analysis processes and events;
- integrate knowledge gained at the framework of different disciplines for solutions research of tasks at new unknown conditions;
- by integration knowledge make judgments and accept solutions on basis incomplete or limited information;
- use knowledge pedagogy and psychology higher school at his teaching activities;
- use interactive methods training;

- use information - analytical and information - bibliographic work from attraction today information technology;
- think creatively and suit to decision new issues and situations;
- to be fluent in foreign language on professional level that allowing to do research and realize teaching specific courses at higher education institutions;
- to finalise research and analytical work at form of thesis research article, report, analysis notes and methodology of scientific knowledge.

4) *To have the skills in:*

- research activities solutions standard scientific objectives;
- implement educational and teaching activity by credit technologies training;
- teaching techniques of professional courses;
- use today's information technology at educational process;
- professional communication and intercultural communication;
- oratory art, right and logical registration own ideas at oral and written form;
- expansion and deepening knowledge needed for everyday professional activity and continue education at doctorate.

5) *To be competent:*

- in the methodologies studies;
- in research-teaching activity at higher training institutions;
- in current issues of educational strategies;
- in execution research projects in professional area;
- in methods ensuring constant updating knowledge expansion professional skills and skills.

3.2 Special competence:

✓ ***A – knowledge and understanding of:***

- A1 – knowledge of the aims and objectives of the scientific and scientific-methodical activity;
- A2 – knowledge of theoretical and methodological foundations of pedagogy and psychology;
- A3 – knowledge of basic psychological and pedagogical theories and laws;
- A4 – knowledge of basic research and theoretical and practical innovative developments aimed at system solution of problems in various fields of education;
- A5 – knowledge of theoretical bases of innovative pedagogical technologies in teaching pedagogy and psychology;
- A6 – understanding of the relationship of the methodological, theoretical and applied levels in research in pedagogy and psychology;

✓ ***B – application of knowledge and understanding:***

- B1 – application of conceptual ideas and trends in the development of psycho-pedagogical science in the context of the modern paradigm of education;
- B2 – possession of techniques of computer modeling and methods of theoretical analysis of research results;
- B3 – the use of psychological and pedagogical knowledge in various fields of activity;
- B4 – the use of the methodology of research;

B5 – conducting diagnostic development, communication, activities of students of all ages through qualitative and quantitative methods of psychological and educational research.

✓ **C – forming judgments:**

C1 – an innovative style of scientific and pedagogical thinking and holistic perception of pedagogical reality;

C2 – independence and initiative thinking, critical, analytical, diagnostic skills;

C3 – awareness of the social importance of the teaching profession, the principles of professional ethics, improving the professional and personal qualities of the teacher;

C4 – is able to relate the basic scientific concepts of pedagogy with the general problems of the development of science and society.

C5 – development of the outlook, consciousness, activity, self-cognitive, research and creative activity;

C6 – professional-pedagogical self-consciousness, the formation of the need for further personal and professional self-development of students.

✓ **D – person's ability to:**

D1 – the presence of the professional qualities of the teacher personality, knowledge of communication technologies, skills, pedagogical rhetoric, communication strategies;

D2 – the willingness to create new values, the adoption of creative solutions, tolerance and the ability to pedagogical cooperation;

D3 – the pursuit of the development of intellectual, moral, cultural, natural, communicative, organizational and management skills;

D4 – the desire for a high motivation to educational activities, creative application of educational innovation, self-education and self-realization;

D5 – willingness to use the individual creative ability for the original decision of research problems;

D6 – willingness to organize teamwork to solve the development problems of the educational institutions, the implementation of experimental work;

D7 – the ability to realize principles of health preservation and building a culture of health of students, respect for health and safety.

4. Strategies and methods of teaching

General outcomes of the program in «6M010300 – Pedagogy and Psychology» (7th Level of qualification NQF) will be achieved through the following training events:

- 1) *classroom classes*: lectures, seminars and practical classes - conducted from taking into account the innovative learning technologies, using latest achievements in Science, Technology and information systems and online form;
- 2) *extracurricular class* independent work supervised by teacher, individual consultations;
- 3) pedagogical and professional placements, preparation of dissertation.

The content of the educational program of a specialty allows Graduates to master the system of subject, interdisciplinary, psychological, pedagogical and methodological knowledge, to demonstrate knowledge and understanding in the field of pedagogy and psychology, to apply this knowledge and understanding in a professional manner.

Lectures, seminars, discussions and workshops, various kinds of placements throughout the program will provide Graduates opportunities to develop key and special competences in «6M010300 – Pedagogy and Psychology», in particular the application of theoretical knowledge in Pedagogy and Psychology tailored to the specific socio-pedagogical conditions, rational and creative use in the educational process of pedagogical technologies and information sources (media training programs, electronic books, TV, and Internet technologies).

Supervision of independent work of Graduates, individual consultations will enable Graduates to develop educational and research skills. In addition, final year undergraduates are working on a thesis work on their chosen topic under the personal guidance of the supervisor.

5. Monitoring and evaluation of learning outcomes

In preparing Graduates (7th level of qualification NQF) program Specialty «6M010300 – Pedagogy and Psychology» provides a wide range of different forms of monitoring and evaluation of learning outcomes: *current and boundary control* (testing on the topics of courses, test papers, defense practical work, portfolios, discussions, workshops, etc.), examinations (tests on sections of discipline, the examination, the defense for the practice reports), *Final State Examination* (Complex Examination on Speciality, Defense of Masters Dissertation).

Assessment methods are designed to develop critical thinking, intellectual, oral and written communication, presentation skills, research.

Specialty program includes Pedagogical Placement, which will allow Graduates to learn practice-oriented knowledge and skills in the subject area, the planning and organization of teaching and educational activities, methods of teaching of pedagogical disciplines in the learning process of innovative educational technologies and pedagogical interaction the learner and teacher and etc.

6. Matrix of Disciplines and Specific competences:

№	Discipline	A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6	D7
1	Pedagogy		*	*	*			*		*		*	*		*	*		*	*	*	*	*			
2	Psychology		*	*	*			*		*		*		*		*	*	*	*		*	*			
3	Methodology and Methods of Research	*	*				*	*	*		*			*		*	*				*		*	*	
4	Technology of Credit Education		*		*	*		*		*			*		*			*	*			*			
5	Psychology and Pedagogical Science in Kazakhstan - 2		*	*	*			*		*			*		*	*					*		*		*
6	State Educational Policy in Kazakhstan	*		*	*	*		*		*			*	*	*	*				*	*				
7	Psychological Services in Education	*		*		*		*		*			*		*	*					*	*			*
8	Interactive Teaching		*		*	*		*		*			*	*			*	*	*	*		*			
9	Cultural-historical and Activity Approach in Psychology and Education		*	*				*		*			*		*	*					*		*		
10	Pedagogical Measurement	*				*			*				*		*						*	*		*	
11	Statistical and Mathematical Methods in Research	*		*		*			*				*		*		*				*	*		*	
12	Psychology of Management	*	*		*	*		*		*			*	*	*				*	*		*			*
13	Management in Education	*			*	*		*		*			*	*	*				*	*		*			*
14	Competency-based Approach in System of 12-year School	*	*		*	*		*		*			*	*	*				*	*		*			*

15	Methodological Culture of Teacher-Psychologist	*		*			*	*			*	*	*	*		*	*	*			*	*	*	*	
16	Research	*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17	Pedagogical Placement						*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
18	Research Placement						*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

<p>✓ A – knowledge and understanding of: A1 - knowledge of the aims and objectives of the scientific and scientific-methodical activity; A2 - knowledge of theoretical and methodological foundations of pedagogy and psychology; A3 - knowledge of basic psychological and pedagogical theories and laws; A4 - knowledge of basic research and theoretical and practical innovative developments aimed at system solution of problems in various fields of education; A5 - knowledge of theoretical bases of innovative pedagogical technologies in teaching pedagogy and psychology; A6 - understanding of the relationship of the methodological, theoretical and applied levels in research in pedagogy and psychology.</p>	<p>✓ C – forming judgments: C1 - an innovative style of scientific and pedagogical thinking and holistic perception of pedagogical reality; C2 - independence and initiative thinking, critical, analytical, diagnostic skills; C3 - awareness of the social importance of the teaching profession, the principles of professional ethics, improving the professional and personal qualities of the teacher; C4 - is able to relate the basic scientific concepts of pedagogy with the general problems of the development of science and society. C5 – development of the outlook, consciousness, activity, self-cognitive, research and creative activity; C6 - professional-pedagogical self-consciousness, the formation of the need for further personal and professional self-development of students.</p>
<p>✓ B – application of knowledge and understanding: B1 - application of conceptual ideas and trends in the development of psychopedagogical science in the context of the modern paradigm of education; B2 - possession of techniques of computer modeling and methods of theoretical analysis of research results; B3 - the use of psychological and pedagogical knowledge in various fields of activity; B4 - the use of the methodology of research; B5 - conducting diagnostic development, communication, activities of students of all ages through qualitative and quantitative methods of psychological and educational research.</p>	<p>✓ D – person’s ability to: D1 - the presence of the professional qualities of the teacher personality, knowledge of communication technologies, skills, pedagogical rhetoric, communication strategies; D2 - the willingness to create new values, the adoption of creative solutions, tolerance and the ability to pedagogical cooperation; D3 - the pursuit of the development of intellectual, moral, cultural, natural, communicative, organizational and management skills; D4 - the desire for a high motivation to educational activities, creative application of educational innovation, self-education and self-realization; D5 - willingness to use the individual creative ability for the original decision of research problems; D6 - willingness to organize teamwork to solve the development problems of the educational institutions, the implementation of experimental work; D7 - the ability to realize principles of health preservation and building a culture of health of students, respect for health and safety.</p>

Specialty program also includes general courses (History and Philosophy of Science, English) which are aimed to develop the relevant key competences of Master of Pedagogical Sciences in «6M010300 – Pedagogy and Psychology» as set out in paragraph 3.1.

7. Structure and norms of determining the components in educational program «6M010300 – Pedagogy and Psychology»

№	Activities	Credits	Weeks	Total hours
1	Theoretical study (1: 2)	42	45	1890
2	Research, this including: Defense of Masters Dissertation, carried out while studying (1: 7)	3	-	360
	Research, this involves: Defense of Masters Dissertation (1:7)	4	9	480
3	Final Examination (1:6)	4	8	420
	TOTAL:	53	62	3150
4	Placement (Pedagogical) (1:1)	3	-	90
5	Placement (Research) (1:7)	3	12	360
6	Recess		13	
7	Examinations		9	
	TOTAL:	59	96	3600

To obtain a master's degree in «6M010300 – Pedagogy and Psychology» Graduates must gain at least 42 credits of theoretical part of study, at least 6 credits of placement and not less than 7 credits of Research. Graduate masters in parallel with theoretical part of study without course delay: Research 3 credits (1 credit per semester) and 3 credits of Pedagogical Placement.