EDUCATIONAL PROGRAM
5B012000-PROFESSIONALL TRAINING

General information

1. Objectives and tasks of the educational program on specialty 5B012000 – PROFESSIONALL TRAINING

The objective of the educational program is training qualified pedagogical personnel on technology who are very responsible in social and civil matters, able to perform professional activity in the following spheres:

- Education and development of a universally educated person,
- Developing systematic knowledge of Mathematics,
- Organization of up-to-date study process on Mathematics,
- Conducting scientific research.

- **General tasks of the educational program:**
- Providing qualified professional training of future technology teachers in accordance with social demands and world education standard;
- Developing the system of key competences, and general scientific and specialized knowledge, abilities and skills of future technology teachers, as well;
- Acquiring ways of technological and technical, moral and intellectual self-development, developing psychological-pedagogical literacy, thinking and behavioral culture.

2. Competences of a specialty 5B012000 – PROFESSIONALL TRAINING graduate developed as a result of acquiring the educational program

Development of the following competences provides realization of the objectives and tasks of the educational program:
–general cultural competences;
– professional competences;
– subjectcompetences.

The general cultural competences are characterized by the fact that a graduate:

1.1. is able to apply the knowledge of the fundamentals of oratory, the world classical literature and art to his/her professional activity;

1.2. *demonstrates* moral principles and ethical behavior;

1.3. *is able to apply* general regulations and methods of social, human and economic sciences to solving social and professional problems;

1.4. logically and correctly *formulatesand utters* his/her ideas in mother tongue, *has skills* of oral and written speech in Kazakh (Russian) for working at scientific texts and public speaking;

1.5. *applies* the knowledge of foreign language to communication and comprehension of special texts;

1.6. *applies* main methods, ways and means of gaining, storing and processing information; *is able to* work on a computer, including working in the global computer networks;

1.7. *is able to take into consideration* ethnic-cultural and confessional distinctions of the educational process engagers when cooperating socially;

1.8. *realizes* the principles of organization of scientific research, ways of achieving and developing scientific knowledge;

1.9. *is able to use* means and methods of physical education and health promotion, maintains a required level of physical wellness for supporting good social and professional activity;

1.10. *is able to develop* skills of healthy life-style in accordance with requirements of hygiene, labor protection and regulations on protection from possible negative influence.

Professional competences are characterized by the fact that a graduate:

2.1. *is able to model* educational process, realize it when teaching;

2.2. *is able to apply* means of considering general, specified (when there are different types of abnormality) mechanisms and individual features of mental and psychophysical development, is familiar with peculiarities of regulating human behavior and activities at different age;

2.3. *can apply* qualitative and quantitative methods of psychological and pedagogical research;

2.4. *is able to apply* methods of diagnosing development, communication, activities of different age children;

2.5. *is able to apply* the knowledge of different theories of teaching, educating and developing, and the educational programs for various level trainees, as well;

2.6. *can apply* the methods of organizing different children activities;

2.7. *can apply* the methods of organizing joint activities and interpersonal interactions of educational engagers;

2.8. *is able to apply* the knowledge of normative documents and the professional knowledge to culture and education work;

2.9. *realizes* a great social importance of the profession, conforms to the principles of professional ethics;

2.10. *knows* the ways of organizing professional activity in multicultural society taking into account peculiarities of socio-cultural structure of the society;

2.11. *is able to participate* in interdisciplinary and interdepartmental cooperation of the specialists for solving professional problems;

2.12. *is able to apply* the major international and domestic documents on children's and invalids' rights;

2.13. *can apply* health-protective technologies to his/her professional activity taking into account risks and danger of the social environment and educational space.

Subject competences are characterized by the fact that a graduate:

3.1. Object scopes are characterized by the fact that the graduate: it is ready to the design of forms, methods and means of the control of the results of training specialists in the educational process; - it is capable to project and to use the individualized, personally oriented technologies and the procedures of the instruction of specialists;

3.2. it is capable to use the habits of organization and conducting of observation on the technology (laboratory, demonstration, computer) it realizes the social significance of its future profession, it possesses motivation to the realization of professional activity;

3.3. it is capable to organize training- production activity and to control technological process in the workshops;

3.4 it is ready to the organization of educational process with the application of interactive, effective technologies of training specialists;

3.5. it is capable to use in the process of instruction advanced branch technologies, A to also carry out works on the treatment of the materials of the corresponding qualification level;

3.6. it is ready to use fundamental laws of natural-science disciplines in the professional-pedagogical activity;

3.7. by readiness for the construction, [ekspulatatsii] and maintenance of training technological medium, and also for correction and use of technologies in the professional-pedagogical activity;

3.2 Academic curriculum of specialty 5B012000 – PROFESSIONALL TRAINING

Duration: 4 years
Academic degree: bachelor of education
on specialty 5B012000- PROFESSIONALL TRAINING

№	Modules and disciplines	ECTS	Term
MGED 1	**Module of general education disciplines**	***24***	
RDC 1.1	**Component of required disciplines**		
1.1.01	History of Independent Kazakhstan	3	1
1.1.02	Kazakh (Russian) language	4	1
1.1.03	Foreign language - B1	4	1
1.1.04	Computer sciences	4	2
1.105	Art education	3	1
1.1.06	Economics and business	3	3
1.1.07	Philosophy of education	3	3
EDC 1.2	**Component of elective disciplines**	**-**	
PDM 2	**Module of professional disciplines**	***60***	
RDC 2.1	**Component of required disciplines**	**60**	
2.1.01	Pedagogy	5	2
2.1.02	Psychology	5	2
2.1.03	Pedagogical management	3	4
2.1.04	Pedagogical rhetoric	3	3
2.1.05	Research methods	3	3
2.1.06	Age physiology and school hygiene	3	1
2.1.07	Foreign language – B 2	5	2
2.1.08	Inclusive education	3	5
2.1.09	Practice 1	6	4
2.1.10	Practice 2	9	6
2.2.11	Practice 3	15	8
EDC 2.2	**Component of elective disciplines**	**-**	
SDC 3	**Module of special disciplines**	***144***	
RDC3.1	**Component of required disciplines**	**81**	
3.1.01	Methods of teaching general technical and special disciplines	6	3

3.1.02	Materials Processing Technology	7	1
3.1.03	Theoretical fundamentals of science of machines	5	2
3.1.04	Professional Pedagogy	5	5
3.1.05	Electrical engineering,electronicsandautomationframework	6	4
3.1.06	The development of lessons and extra-curricular activities, professional training	4	5
3.1.07	Technology Assessment Criteria	3	3
3.1.08	Methods and technologyeducation work	5	4
3.1.09	Technology of finishing of products	6	6
3.1.10	Development of lessons and out-of-class work on vocational training	5	7
3.1.11	Branch materials science and technology of constructional materials	4	1
3.1.12	TECHNOLOGY and equipment	6	3
3.1.13	Bases of scientific researches in professional pedagogics	6	6
3.1.14	Plotting and descriptive geometry	5	2
3.1.15	Technique of vocational training	5	5
3.1.16	Profession-Oriented Foreign Language	3	5
EDC3.2	**Elective disciplines component**along the profile depending on the specific character of VUZ (Institute of Higher Education))	**63**	
	Diploma thesis	**12**	
	Total ECTS	***240***	
	Additional types of training		
	Physical education		1-4
	Religions studies		2
	Mangilik el		2

Enumeration of the educational- professional programs (specializations along the profiles), realized in the correspondences to basic specialty "professional instruction (along the profile)":

Enumeration of the educational- professional programs (specializations along the profiles), realized in the composition of basic specialty "professional instruction (along the profile)"

1. Specialization - technology of labor and [predprinimatelstvo]№
Qualification - the teacher of the technology of labor and enterprise

2.[Spetsializatsiya] - industrial production and environmental protection; (along the profile) Qualification - the teacher of professional instruction (along the profile)

- the carrying out of machine building;
- the production of metal; - building;
- the natural gas production- chemical and oil refining production;
- the mining-reprocessing production- textile, sewing production;

- the production of foot-wear and skin;
- the treatment of tree and the production of furniture;
- food production;
- industrial production and environmental protection;

3. Specialization - [selskokhozyaystvennnoe] production Qualification - the teacher of professional instruction (along the profile) - agricultural technology and agriculture - cattle breeding and plant growing - the mechanization [selskokhozyaystvennnogo] production and automation - veterinary science of the work of the forest productions

4. Specialization - production of the sphere of the maintenance Qualification - the teacher of professional instruction (along the profile) - the sphere of the maintenance way of life and service;
- the organization of public nutrition;
- the operation of repair and motor transport means - construction, the simulation of sewn articles;
- connection and [telekomunikatsiya] - information texnology - [Elektortekhnika] and radio electronics

5. Specialization - decorative- applied and artistic production;
Qualification - teacher of professional instruction (along the profile) in

6. Specialization - design of the clothing Qualification - teacher of professional instruction (along the profile) in

7. Specialization - economy and the management of the subjects of the economy Qualification - teacher the manager of the professional instruction

Elective disciplines

№	Disciplines	Amount of credits
3.1	Computer graphics	6
3.2	Bases of interchangeability	5
3.3	A pedagogical management is in the system of professional preparation of students	5
3.4	Mechanics of elements of construction	6
3.5	Analytical mechanics	6
3.6	Composition of wares	5
3.7	History of suit	5
3.8	Digital microelectronics	6
3.9	Technological processes are in an engineer	6
3.10	Calculation and constructing of details of machines and devices	5
3.11	Theory and methodology of educator work	5
3.12	Entrepreneurial activity of educational establishments	5
3.13	Automation of technological processes	4
	In all :	63