



INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

**on the results of the External Expert Panel (EEP) evaluation
of the compliance with requirements of the specialized accreditation
procedure of the educational programmes**

5B070300/6M070300 - «Information Systems»

6M070400 - «Computer equipment and software»

6M060100 - «Mathematics»

6M073100 - «Safety of living and environmental protection»

**RSE ON THE RIGHTS OF ECONOMIC MANAGEMENT
“SH. UALIKHANOV KOKSHETAU STATE UNIVERSITY”**

May 15-17, 2016

Kokshetau city 2016

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External Expert Panel

*Addressed to the
IAAR Accreditation Council*



Independent agency for
accreditation and rating

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of the compliance with requirements of the specialized accreditation procedure of the
educational programmes

5B070300 - «Information Systems», 6M070300 - «Information Systems»
6M070400 - «Computer equipment and software», 6M060100 - «Mathematics»,
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Based on the Order of the Independent agency for accreditation and rating (hereinafter – IAAR) no. 19-16-OD as of 13/05/2016 external expert panel during May 15-17, 2016 evaluated the compliance of the following educational programs of the “Kokshetau State University named after Sh.Ualikhanov” with the specialized accreditation standards of IAAR - 5B070300 – «Information Systems», 6M070300 – «Information Systems», 6M070400 - «Computer equipment and software», 6M060100 – «Mathematics», 6M073100 – «Safety of living and environmental protection».

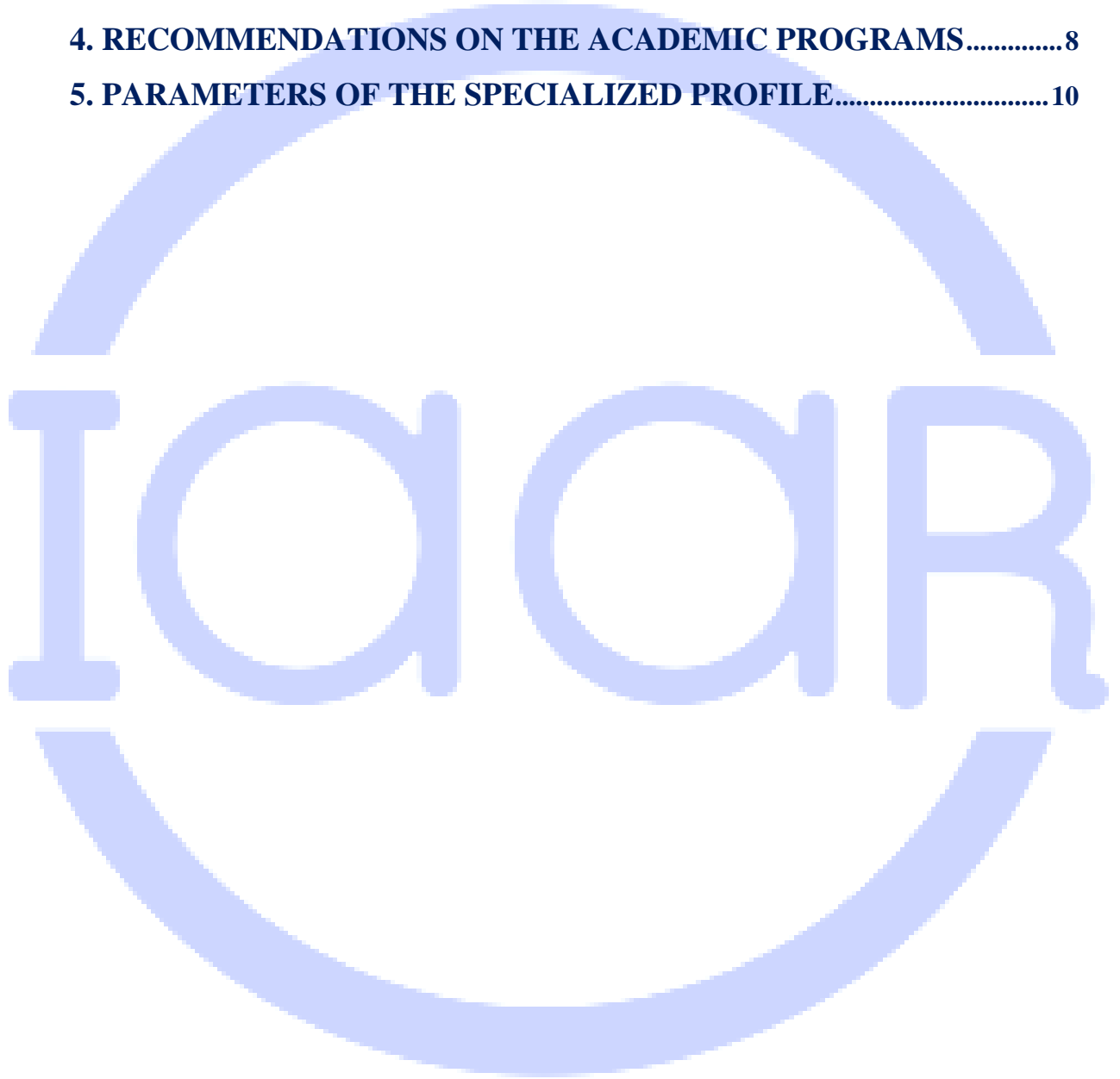
The Report of the external expert panel (EEP) contains an assessment of the academic programs’ compliance to the IAAR criteria, as well as EEP recommendations for further improvement of academic programmes and profile parameters of the academic programs of “Kokshetau State University named after Sh.Ualikhanov”.

EEP membership:

1. **Chair** – Shkutina Larisa, Doctor of Education, Professor, Karaganda State University named after Y.A.Buketova (Karaganda city);
2. **International expert** – Kostelova Larisa, Ph.D. in Pedagogy, Associate Professor, Kuzbasskaya State Pedagogical Academy (Novokuznetsk city, Russian Federation);
3. **Expert** – Gaurieva Guljan, Ph.D. in Pedagogy, Acting Associate Professor, Eurasian National University named after L.N.Gumilyev (Astana city);
4. **Expert** – Adilova Almagul, Associate Professor, Doctor of Science in Linguistics, Professor, Karaganda State University named after Y.A.Buketova (Karaganda city);
5. **Expert** – Movkebaeva Zulphiya, Doctor of Education, Professor, Kazakh National Pedagogical University named after Abay (Almaty city);
6. **Expert** – Pogrebetskaya Marina, Ph.D. in Pedagogy, Associate Professor, North Kazakhstan State University named after M.Kozybayeva (Petropavlovsk city);
7. **Expert** – Abdybaeva Gulsara, Ph.D. in Economics, “Turan-Astana” University (Astana city);
8. **Expert** – Aldungarova Aliya, PhD, Associate Professor, Pavlodar State University named after S. Toraigyrova (Pavlodar city);
9. **Expert** – Tashkeev Dauren, Ph.D. in Pedagogy Associate Professor, Kazakhstan branch of the Moscow State University named after M.V.Lomonosov (Astana city);
10. **Expert** – Lashkareva Olga, Ph.D. in Economics, Associate Professor, Eurasian National University named after L.N.Gumilyev (Astana city);
11. **Expert** – Ivashov Arslan, к.филос.н., Associate Professor, Kazakh University of International Relations and World Languages named after Abylai Khan (Almaty city);
12. **Employer** – Kodzoev Atarbek, Deputy Director, “Sokol” LLP (Kokshetau city);
13. **Student** – Tushanov Mukhtarbek, Student, School of Information Systems, Humanitarian and Technical Academy (Kokshetau city);
14. **Observer from the Agency** – Timur Kanapyanov, Head of international projects and public relations (Astana city).

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1. INTRODUCTION OF THE KOKSHETAU STATE UNIVERSITY NAMED AFTER SH. UALIKHANOV AND ACADEMIC PROGRAMS

By the Resolution of the Council of Ministers of the Kazakh SSR No. 563 as of July 25, 1962, the Kokchetav Pedagogical Institute was incorporated. Candidate of Historical Sciences I.S. Gorokhvodatskiy was appointed as the rector of the Institute. On March 29, 1965 by the Resolution of the Council of Ministers of the Kazakh SSR as of No. 241 Kokchetav Pedagogical Institute was given the name of the first Kazakh scholar-educator, Chokan Chingizovich Valikhanov.

By the order of the Ministry of Education of the Republic of Kazakhstan as of May 23, 1996 No.143 Kokshetau Pedagogical Institute named after Ch.Ch. Valikhanova was subjected to liquidation, on its basis a new university - Kokshetau University named after Sh. Ualikhanov was created, which includes an agricultural institute and a branch of the Karaganda Polytechnic Institute. The first rector of the university was Doctor of Physical and Mathematical Sciences, Professor Abai Aitmukhambetov.

In 2001 under the Governmental Decree of the Republic of Kazakhstan, Kokshetau University named after Sh. Ualikhanov was renamed to the Republican State-owned Enterprise "Kokshetau State University named after Sh.Ualikhanov". According to the Resolution of the Government of the Republic of Kazakhstan as of April 28, 2012. No. 544 Republican state-owned enterprise "Kokshetau State University named after Sh. Ualikhanov was reorganized into the Republican State Enterprise on the rights of economic management "Kokshetau State University named after Sh. Ualikhanov" under the Ministry of Education and Science of the Republic of Kazakhstan.

Based on the results of national institutional accreditation procedure in 2013 the university was accredited for a period of five years. According to the results of the specialized accreditation procedure, 16 educational programs are accredited for a period of five years.

In 2014, two specialties of Kokshetau State University named after Sh. Ualikhanov (hereinafter – KSU named after Sh. Ualikhanov) won the 3rd place in the rating conducted by the Center for the Bologna process and academic mobility under the Ministry of Education and Science of the Republic of Kazakhstan: 5B011200 - Chemistry and 5B091200 - Restaurant and hotel business. In 2015 KSU named after Sh. Ualikhanov became a member of the European Association and the Eurasian Association of Universities.

Today KSU named after Sh. Ualikhanov is leading in the regional market of educational services. In 2013 the institution successfully passed the state attestation, in 2012 - recertification procedure for compliance with international standards ISO 9001-2008, confirming the high level of educational, training, personnel, financial and other processes of the higher educational institution (hereinafter – HEI).

For the aspirations to achieve high quality products (services) in accordance with European standards KSU named after Sh. Ualikhanov was awarded the sign of the International award "EUROPEAN QUALITY". In 2009 within the framework of the program "Leaders of the XXI century" KSU named after Sh. Ualikhanov was awarded the International Millennium Award for effective use advanced modern technologies in the professional field, for the development and implementation of innovative, innovative solutions. In September 2010 the Great Charter (the Bologna Declaration) was signed.

Currently, the University provides training for 53 bachelor degree programs in full-time, evening and part-time modes of study, 28 master degree courses and 4 doctoral programs

There are more than 300 teachers at 23 departments. Among them there are 22 doctors of sciences, 14 professors, 77 Ph.D. in sciences, 52 associate professors, 34 holders of the grant "The best teacher of the HEI of the Republic of Kazakhstan", which validates the high professionalism of the teaching staff and its inexhaustible creative energy.

In order to enhance research and expand the range of applied problems, new scientific laboratories and the Institute have been opened: the Eurasian Center for Sustainable Development

NOOSPHERE named after Vernadskiy, Laboratory of NMR-Spectroscopy, Laboratory of Wind Power Plants from Composite Materials, Scientific Research Institute of the Region, Research Laboratory for Agroinnovations, Laboratory of Linguistics.

The University's activities are carried out in accordance with the state license for the right to provide educational services (No. 12019134 of 11 December 2012) issued by the Ministry of Education and Science of the Republic of Kazakhstan. The highest collegial body of the university is the Academic Council, which operates under the Charter and the Statute of the Academic Council.

The mission of the university is the formation of the scientific and educational environment by Kokshetau State University named after Sh. Ualikhanov where highly qualified specialists, demanded in the labor market of the northern region of Kazakhstan and the country as a whole, with values, knowledge and competencies based on the current needs of the society, are trained.

Academic policy of KSU named after Sh. Ualikhanov related to the quality aims to meet the requirements of international accreditation, the priorities of industrial and innovative development of Kazakhstan, innovative approaches to the formation of the content of educational programs of courses (specialties). The quality policy is targeted to meet the needs of employers in highly qualified, competitive and in-demand specialists; to continuously improve quality of educational activities based on the introduction of innovative educational technologies; to conduct competitive scientific research, in accordance with the strategic objectives of the regional development; to ensure integration into the international educational space through the implementation of academic mobility, the development of "double degree" programs, attracting leading foreign specialists to collaboration, and using international accreditation tools.

Educational activity in the HEI is conducted based on a three-level system of staff training: bachelor level - master degree – Ph.D. The admission is carried out on the basis of state educational grants and on a contractual basis. The University is leading among the HEIs of the country in terms of the number of holders of the state grant "Mangilik el-industriya".

The infrastructure of the HEI consists of four modern educational buildings equipped with the latest computers, linguistic and multimedia cabinets, including 5 reading rooms, a biological museum, training laboratories, scientific research laboratories and academic research laboratories, training workshops, canteens, dormitories. Special pride of the HEI's team is the sports camp "Tulpar", located in the Zerenda recreation zone of Akmola region, dispensary "Arasan", comfortable "Student's house". For teaching practical skills, the students have created a training and research complex "Elite".

The university provides access to the catalogs of the Republican Inter-College Electronic Library, the Kazakh National E-Library and to the world databases: SpringerLink, Thomson Reuters, ELSEVIER, POLPREDSOM, RGB, etc. The library fund accounts for more than 700 thousand copies of books.

The University seeks to use information technologies: AIS "Platonus", an electronic document management system. The official website of the university www.kgu.kz is available in 3 languages: Kazakh, Russian, English, where the strategy, mission, information on the educational process, international programs, results of accreditation and rating of educational programs and other important information are published.

2. OUTLINE OF THE EEP VISIT

The visit of the external expert panel to the Kokshetau State University named after Sh. Ualikhanov was organized in accordance with the program agreed in advance with the chairman of the EEP (annex) and approved by the rector of the university.

In order to coordinate the work of the EEP on 15.05.2016 the preliminary meeting was held, during which the powers were distributed among the members of the panel, the schedule of the visit was specified, and agreement was reached on the choice of methods for examination.

The meetings of the EEP with the target groups were held in accordance with the updated program of the visit, with observance of the established time interval. The staff of the Kokshetau

State University named after Sh. Ualikhanov provided the presence of all persons indicated in the program of the visit.

During the visit, in addition to working with target groups, discussions with the bachelor and master degree students as well as with the university lecturers, graduates and employers were held.

Information about employees and students involved in meetings with the IAAR EEP

Category of participants	Quantity
Rector	1
Vice-principal	2
Deans	4
Heads of departments	10
Heads of structural units	16
Teachers	74
Undergraduate and master degree students	100
Graduates	71
Employers	48
Total	326

EEP members visited exam on the discipline “Research of operations” on the academic program 6M060100 “Mathematics” and state exam on academic programme 5B070300 – “Information Systems”.

During the tour, EEP members familiarized with the state of the material and technical facilities, visited the museum, library, learning classes, specialized classrooms, computer classes, students’ house, departments, divisions, canteen, sports complex, safety of living laboratory, computer classes with virtual laboratories, cabinet of mathematics and multimedia cabinet “Methodic of teaching mathematics”.

The events planned within the framework of the IAAR EEP visit facilitated the detailed familiarization of experts with the university's educational infrastructure, material and technical resources, faculty, representatives of employers' organizations, trainees and graduates. This allowed EEP members to conduct an independent assessment of the data compliance set out in the self-assessment reports of the university's academic programs with the criteria for the specialized accreditation standards.

Within the framework of the planned program, EEP recommendations for improvement of the University's activities based on the assessment results were presented at a meeting to the management on May 17, 2016.

3. GENERAL ASSESSMENT OF ACADEMIC PROGRAMS

Training of specialists on the specialty 5B070300 - Information Systems has been carried out since 2004, on the specialty 6M070300 - Information Systems has been implemented since 2010, 6M070400 - Computer equipment and software has been implemented since 2010.

At the moment the Department of Academic Programs 5B070300 - "Information Systems", 6M070300 - "Information Systems" 6M070400 - "Computer equipment and software" is the department of "Information systems and IT".

Training of personnel on 6M073100 - "Safety of living and environmental protection" has been carried out since 2014, by the Graduation Department of Mining, Construction and Safety of living.

Training of personnel in accordance with OP 6M060100 - Mathematics has been carried out since 2010, by the Graduation Department of Physics and Mathematics.

Academic programs 5B070300 - Information Systems, 6M070300 - Information Systems, 6M070400 - Computer equipment and software, 6M060100 - Mathematics, 6M073100 - "Safety of living and environmental protection" are implemented under the License for the right to conduct

academic activities series No. 12019134 as of 11.12.2012, as well as in accordance with the State Program for the Development of Education of the Republic of Kazakhstan for 2016-2019, the State Compulsory Educational Standards of the Republic of Kazakhstan, the "Strategic Development Plan for Karaganda State University named after. Sh. Ualikhanov for 2014-2018".

Graduate of 5B070300 - "Information Systems" is awarded an academic degree of bachelor of engineering and technology on the specialty 5B070300 - "Information Systems".

Graduate of 6M070300 - Information Systems, 6M070400 - Computer equipment and software, 6M073100 - "Safety of living and environmental protection" is awarded the academic degree of Master of Science in technical studies (scientific and pedagogical master degree course) or master of engineering and technology in the specialty (profile master degree course).

Graduate of the Master's program in 6M060100 - Mathematics is awarded the academic master's degree in natural sciences (scientific and pedagogical master degree course) and the master of natural sciences in the specialty 6M060100 Mathematics (profile master degree course).

Under the Bachelor and Master degree programs, the general competence of higher education is mastered according to the Dublin descriptors, including competences oriented for the region, defined by the KSU named after Sh. Ualikhanov in modular academic programs.

Academic activity is carried out by credit technology in accordance with the "Rules for the organization of the educational process using credit technology of education" No. 152, approved by the Ministry of Education and Science of the Republic of Kazakhstan as of 20.04.2011.

Bachelors are trained full-time and part-time. In accordance with the requests of students, the requirements of employers and the labor market, the content of academic programs are annually adjusted by means of the catalogue of elective disciplines (CED) and update of the working programs of curriculum.

Modern educational technologies are used to ensure the quality of personnel training that meet the labor market requirements: project technology, critical thinking technology, case studies, information and communication technologies, problem-learning technologies, context-oriented learning technologies, interactive forms and methods of teaching.

Evaluation of educational achievements and the level of students' training is provided through the application of a score-rating system, as well as through the information and educational environment of Platonus University.

The academic programs of the specialty 5B070300 - Information Systems, 6M070300 - Information Systems, 6M070400 - Computer equipment and software, 6M060100 - Mathematics, 6M073100 - "Safety of living and environmental protection" are developed in accordance with the state compulsory education standards. The languages of instruction are Kazakh and Russian.

The areas of training in the master's programs 6M060100 - Mathematics, 6M070300 - Information Systems, 6M073100 - Safety of living and environmental protection, 6M070400 - Computer equipment and software - scientific and pedagogical with the 2 years of study and profile the term of study of 1.5 years.

The students' population on 5B070300 - "Information Systems" accounts for 60 people, including 15 (40%) on the part-time mode of study. 12 students (20%) study on the educational grant, 38 (63%) students in the Kazakh language.

The population of undergraduates on four accredited programs is 17 people, including 13 students learning on the state order.

4. RECOMMENDATIONS ON THE ACADEMIC PROGRAMS

1) Standard "Management of the academic program"

- to define the mechanism for the formation, approval, revision and monitoring of the development plans for academic programs, to ensure more proactive involvement of stakeholders in these processes and their informing.
- to improve the quality of self-revision and self-assessment of academic programs in all areas of activity.
- to conduct an assessment of the risks of academic programs and identify a set of measures to reduce them.
- to reflect the individuality and uniqueness of 5B070300 - "Information Systems", 6M070300 - "Information Systems", 6M070400 - "Computer equipment and software", its focus on the training of IT staff based on the market demands.

2) Standard "Development and approval of the academic program"

- to consider the possibility of introducing into the educational process of 6M060100 - "Mathematics" of the results of the department faculty research on geoinformation modeling.
- for academic program 5B070300 - "Information Systems" it is recommended to introduce elective courses aimed at forming professional competences in the field of object-oriented design of information system.
- at the request of employers, experts recommend strengthening the formation of professional competences in the field of web technologies for academic program 5B070300 - "Information Systems", 6M070300 - "Information Systems", 6M070400 - "Computer equipment and software".
- when developing the academic program 6M073100 - "Safety of living and environmental protection", 6M070300 - "Information Systems", the path of elective disciplines should be tied to the subject of research work of the faculty.

3) Standard "Student-centered learning, teaching and assessment of academic performance"

- to strengthen the activity of the teaching staff in the implementation of active and innovative teaching methods in the educational process. The management of the academic programme to ensure the monitoring of the effectiveness and performance of innovation and the use of active teaching methods.
- to activate events to create conditions for inclusive education.

4) Standard "Students"

- to strengthen career guidance work to attract trainees in accordance with academic program 6M073100 - "Safety of living and environmental protection", 6M060100 - "Mathematics" on a fee basis, with the possibility of applying a system of benefits, granting scholarship of the Rector of the university.
- to develop a plan for the implementation of scientific and contractual activities with the participation of students of the 3rd year of study, through participation in the programs Erasmus +, Tempus, Bolashak, Enactus.
- to develop a plan for the implementation of student and master team start-ups with the involvement of production organizations and faculty of the department for the purpose of commercialization of the scientific projects, related to the topics of master dissertation papers.

5) Standard "Faculty and teaching effectiveness"

- to strengthen the work on developing the academic mobility of the teaching staff and conducting joint scientific research with leading domestic and foreign scientists in the implementation of accredited academic programs.
- for the academic programs 6M073100 - "Safety of living and environmental protection" to develop a system of recruiting pedagogical staff to strengthen the human resources of this academic program.
- to strengthen the work on conducting grant and contractual works of the department "Information systems and computer equipment".

6) Standard "Academic resources and students support systems"

- to continue introducing the modern software and applications in the field of computer modeling into the educational process of 6M060100 - Mathematics.
- to increase the availability of the required modern professional literature in Kazakh and English languages by developing teaching materials and teaching guidance.
- to consider the possibility of granting benefits to students on the basis of excellent results of examination sessions.

7) Standard "Information Management and Reporting"

- to ensure the analysis of information on the quality and implementation of academic programs in order to identify and forecast risks.

8) Standard "Public Awareness"

- to provide a more structured approach to upgrading of the website, to publish catalogue of the faculty on the website, and information about the addresses of the staff and faculty e-mails, the hours of the management reception, the specificity of the master degree programs, as well as the timely updating of information and the development of the website.

9) Standards in the context of individual specialties. Natural and technical sciences

- on the academic programs 5B070300 - Information Systems, 6M070300 - Information Systems, 6M070400 - "Computer equipment and software" to strengthen the work on special disciplines and seminars to solve practical problems at specialization enterprises, as well as to conduct excursions to enterprises in the field specialization.



5. PARAMETERS OF THE SPECIALIZED PROFILE

№	№	Evaluation Criteria	Position of the educational organization			
			Strong	Satisfactory	Needs improving	Unsatisfactory
Standard “Educational Program Management”						
1	1	The HEI must have a published quality assurance policy.	+			
2	2	The policy of quality assurance ought to reflect the relation between research, teaching and learning.	+			
3	3	The HEI must demonstrate the development of a quality assurance culture.	+			
4	4	Quality assurance policy should also refer to any activity, conducted by the partners (outsourcing).		+		
5	5	The university demonstrates development of EP based on the analysis of its performance, real-positioning of HEI and its narrowness to meet the needs of the state, employers, stakeholders and students.		+		
6	6	The HEI determines mechanisms of formation and regular review of the EP’s development plan, and monitoring of their implementation, assessment of the achievement of learning objectives, meeting the needs of students, employers and society, decision-making, aimed at continuous improvement of the educational program.			+	
7	7	The HEI must demonstrates the transparency of the processes of formation of the EP’s development plan. The HEI provides the awareness of stakeholders on the con-tent of the mission and strategy and processes of their formation.			+	
8	8	The institution must involve representatives of stakeholder groups, including students, academic staff and employers in the formation of the EP’s development plan.		+		
9	9	The university must demonstrate individuality and uniqueness of EP’s development plan, its consistency with national development priorities and development strategy of the EO.		+		
10	10	The HEI must ensure compliance of the EP’s development plan with available resources (including		+		

		financial, information, human resources, material and technical base).				
11	11	In the EO all major business processes governing the implementation of the EP should be documented.	+			
12	12	The HEI must demonstrate an accurate designation of those responsible for business processes, a clear allocation of staff duties, and delimitation of responsibilities of collegial bodies that participated in the EP implementation.	+			
13	13	The institution systematically analyzes the information on the implementation of the educational program and conducts self-examination with all areas to assess the success of the development strategy implementation of the educational program through indicators such as the "productivity" and "efficiency."			+	
14	14	The EP management must demonstrate the evidence of transparency of the management system of the EP.		+		
15	15	The EP management must demonstrate successful functioning of in-house quality assurance system, including designing, management, monitoring and improvement of EP, making decisions on the basis of facts.		+		
The EP Management is expected to include:						
16	16	activity management through processes;	+			
17	17	mechanisms of planning, development and continuous improvement;		+		
18	18	risk assessment and identification the ways to reduce these risks;			+	
19	19	monitoring, including creation of reporting processes, which allows to determine the dynamics in the activities and the implementation of plans;			+	
20	20	analysis of the revealed discrepancies, the implementation of the corrective and preventive actions;		+		
21	21	analysis of the effectiveness of change;		+		
22	22	assessment of productivity and efficiency of activity of divisions and their interaction;		+		
23	23	interaction with the employers.		+		
24	24	The institution must involve representatives of stakeholder groups, including students, AS and employers as part of collegial bodies of education program management, and ensure their representation in decision-making in terms of the educational program management.		+		
25	25	The EP management must ensure measurement of the satisfaction degree of needs of AS, employees and students, and demonstrate the evidence of elimination of defects detected within the measuring process.		+		
26	26	The EP management must demonstrate the evidence of the openness and accessibility of the management		+		

		and administration to students, faculty and employers (office hours regarding personal questions, e-mail communication, etc.).				
27	27	The HEI must demonstrate that availability of the communication channel through which any interested person can make innovative proposals in order to improve the activities of the management of the EP. The university must demonstrate examples of the analysis of these proposals and the implementation of such proposals.		+		
Subtotal			6	16	5	0
Standard "Development and Approval of the Educational Program"						
28	1	The university should define and document the procedures for the quality of the educational program development and evaluation, set the frequency, forms and methods of assessing the quality of educational programs.		+		
29	2	The university should establish a procedure for periodic review and monitoring of educational programs.		+		
30	3	The institution must determine the requirements for the educational programs according to their specificities, levels of education, as well as the technologies used, including remote ones.		+		
31	4	The university must demonstrate that developed educational program graduate models, including knowledge, skills and professional competence.		+		
32	5	The institution must demonstrate the participation of the faculty, employers and students in the development of educational programs, ensuring their quality, to provide evidence that employers are typical representatives of employers.	+			
33	6	The institution must provide an external examination of the educational program and its approval by the collective bodies.	+			
34	7	EP management must clearly define the EP objectives.		+		
35	8	EP management should demonstrate the logic of curricula and training programs compilation, in particular the reasons for the inclusion of a list of subjects in the curriculum, the reasons for assigning the post or prerequisites.		+		
36	9	EP management should ensure that the names and content of the disciplines are relevant to areas of study in science / society, etc.	+			
37	10	The institution should determine the content, scope, logic of constructing student's individual educational trajectory.		+		
38	11	EP management must demonstrate the continuity of the content of educational programs at different levels, including the logic of the relationship of	+			

		academic disciplines, their consistency and continuity.				
39	12	EP management must provide an annual revision of the content of curricula and training programs, taking into account changes in the market, employers', students' and teachers' needs.		+		
40	13	EP management must demonstrate the impact of disciplines on the formation of students' professional competence.	+			
41	14	The complexity of the EP must be clearly defined in the Kazakhstani credits and ECTS.	+			
42	15	The structure of the EP must provide a variety of activities, the contents of which should contribute to the formation of professional competence of students.	+			
43	16	The institution must demonstrate the effectiveness of the organization and conduct of professional internship.	+			
44	17	The institution must ensure that the content of academic disciplines to the planned learning outcomes. The list of subjects and content must be available to the students.		+		
45	18	An important factor is the harmonization of the content of educational programs with similar educational programs of leading international and Kazakhstani educational organizations.	+			
46	19	An important factor is the presence of joint educational programs with foreign educational institutions.		+		
47	20	An important factor is the cooperation and exchange of experience with other educational organizations implementing similar educational programs.		+		
48	21	EP management must ensure that research elements are included in the content of EP.	+			
Subtotal			10	11	0	0
Standard "Student-Centered Learning, Teaching and Progress Evaluation"						
49	1	EP management must provide equal opportunities to all students, regardless of the language of instruction on the formation of individual educational program aimed at the formation of professional competence.	+			
50	2	EP management should ensure the harmonious development of students in view of intellectual development and individual characteristics.	+			
51	3	EP management must ensure the implementation and effectiveness of active and innovative learning methods.			+	
52	4	EP management must ensure its own developments in the field of academic disciplines teaching methodology.		+		
53	5	EP management must demonstrate the existence of feedback system for the use of various methods of learning and knowledge control.	+			

54	6	EP management must monitor the student's independent work control and the adequate evaluation of its results in the process of implementation of the educational program.		+		
55	7	EP management must monitor the satisfaction of students by passing the professional internship.	+			
56	8	EP management must demonstrate decision making process on the basis of the results of students' feedback and the assessment of their satisfaction.		+		
57	9	EP management must prove the existence of a monitoring system for the improvement of the student on the educational trajectory and achievements of the learners.	+			
58	10	EP management must ensure the availability and efficiency of the mechanism of objective assessment of the learning outcomes of the collective appeal mechanism, transparent criteria and assessment tools.	+			
59	11	EP management must ensure that the level of students' knowledge assessment matches the planned learning outcomes and objectives of the program on the criteria and evaluation methods.		+		
60	12	EP management must provide the conditions for inclusive education.			+	
Subtotal			6	4	2	0
Standard "Students"						
61	1	Management of EP should demonstrate policy of EP formation of the students' contingent starting from admission to graduation and ensure the transparency of the procedures. The procedures governing the cycle of the students study period must be approved and published.		+		
62	2	Admission and enrollment in the educational program must be accompanied by an introductory course that contains information about the organization of education and specific education program.	+			
63	3	Management of EP should foresee the special adaptation and support program for foreign students.			+	
64	4	Management of the EP must demonstrate the conformity to the actions of the Lisbon Recognition Convention.		+		
65	5	The institution should cooperate with other organizations and national education centers "European Network of National Information Centers on Academic Recognition and Mobility / National Academic Recognition Information Centres" in order to provide a comparable recognition of qualifications.		+		
66	6	Management of the educational program must demonstrate the existence and effectiveness of the mechanism for the recognition of the results of academic mobility of students, as well as results of additional, formal and informal learning.		+		

67	7	EP management must demonstrate the effectiveness of the monitoring of academic achievements of students.	+			
68	8	EP management must demonstrate awareness of the main roles (professional, social) of the students based on learning outcomes.	+			
69	9	EP management must contribute to professional certification of students.		+		
70	10	EP management must ensure the involvement of students in research work and consulting.	+			
71	11	The university and EP management must provide an opportunity for internal and external mobility of students and assist them in obtaining external grants for training.	+			
72	12	The university must provide graduates with the documents confirming the qualification, including learning outcomes achieved, as well as the context, content and status of education and a certificate of its completion.	+			
73	13	EP management must provide graduates with employment measures, the systematic monitoring of employment of graduates, their career development and improvement of the efficiency of alumni associations.	+			
74	14	EP management must enable students to exchange and expression of their opinions – for example, through the Internet forum and student organizations.		+		
75	15	EP management must demonstrate the operation of the feedback system support for students, including the prompt submission of information on the results of assessment of students.	+			
76	16	EP management must demonstrate the existence and effectiveness of the mechanism of support for gifted students.		+		
Subtotal			8	7	1	0
Standard “Academic Staff”						
77	1	The University must have an objective and transparent staff policy, including employment, professional development, ensuring the professional competence of all staff.	+			
78	2	The administration of educational program must demonstrate the compliance of HR capacity of academic staff with the eligibility requirements, levels and the uniqueness of educational program on the basis of the recruiting system.		+		
79	3	The administration of EP (educational program) must demonstrate the awareness of liability for its employees and their favorable working environment.		+		
80	4	The administration of educational program must demonstrate the changing role of teacher in the context of transition to student-centered education.		+		

81	5	The University must provide the public with the access to information about academic staff, including academic staff directories and posting questionnaires on the university website.			+	
82	6	The administration of educational program must provide the monitoring of academic staff activity, a systematic assessment of the competence of teachers, a comprehensive assessment of the quality of teaching, including the assessment of satisfaction of teachers and students.		+		
83	7	The administration of EP must provide the completeness and adequacy of individual planning work of academic staff for all activities, performance monitoring and the effectiveness of individual plans, and to demonstrate the evidence of teacher performance of all projected workload.	+			
84	8	The university administration must show the support for research activities of academic staff, and provide a link between research and teaching.		+		
85	9	The university administration must show the existence of professional and personal development of academic and administrative staff, as well as the compliance of professional and personal development of faculty with strategy development.	+			
86	10	The administration of EP must involve experienced experts , as well as outstanding scientists, public and political figures.		+		
87	11	The Administration of EP must ensure the concerted action on the professional development of young teachers.		+		
88	12	The administration of EP must ensure the system of professional and personal development of faculty and staff.		+		
89	13	The Administration of EP must ensure monitoring of academic staff satisfaction.		+		
90	14	The Administration of EP must involve the academic staff into the practical activity in the field of specialization on a permanent basis.		+		
91	15	The Administration of EP must demonstrate IT-competence of academic staff, the conditions of motivation for the use of innovative methods and forms of education, information and communication technologies in the educational process.		+		
92	16	An important factor is the development of academic mobility of teachers, to attract the best foreign and local lecturers and conduct joint researches.			+	
93	17	An important factor is the participation of academic staff in social life (academic staff's role in the system of education, in the development of science, region, creating a cultural environment, participation in exhibitions, creative competitions, charity programs, etc.).		+		

94	18	The administration of EP demonstrates the compliance of the priorities of consulting, research work, implemented academic staff with the topical issues of the economy, the priorities of government development, the state national policy in the sphere of education, science and innovation development.	+			
Subtotal			4	12	2	0
Standard "Educational Resources and Student Support System"						
95	1	The university must demonstrate the sufficiency of material, financial and human resources.		+		
96	2	The university must demonstrate the effectiveness of the students support services and the availability of support procedures.	+			
97	3	The university must identify the support needs of different groups and categories of students.		+		
98	4	The university must ensure the existence and effective functioning of information and feedback system focused on students, staff and others.	+			
99	5	The university must demonstrate the effectiveness of the regular analysis of the adequacy of resources and support systems for students, including the competence of the involved staff.		+		
		<i>The university must create learning environment that reflects the specifics of the educational programs, which includes:</i>				
100	6	technological support of students and the teaching staff in accordance with EPs (e.g. on-line education, database, data analysis program);		+		
101	7	personalized interactive resources (with the access in extracurricular time), including teaching materials and assignments, ensuring the possibility of self-assessment of students' knowledge through remote access to the university portal;		+		
102	8	interactive academic consultations to help students plan and develop the educational programs, including personified interactive resources;		+		
103	9	professional guidance, assistance in choosing and achieving career paths;	+			
104	10	the sufficient number of classrooms, equipped with modern technological means of teaching, educational and research laboratories, educational and training grounds, technoparks with modern equipment, complied with EPs, sanitary-epidemiological norms and requirements;		+		
105	11	the sufficient number of computer classes, reading halls, multimedia, language and scientific-methodical classrooms, the number of seats in them;	+			
106	12	the book fund, including the fund of educational, methodical and scientific literature on general disciplines, basic courses and majors in print, electronic versions, periodicals in the context of		+		

		learning languages;				
107	13	structured information in the context of disciplines. For example, presentation materials, videos, lecture notes, compulsory and additional literature, practical tasks, etc.;		+		
108	14	the availability of scientific databases and electronic scientific journals;		+		
109	15	the availability of electronic versions of published journals;	+			
110	16	plagiarism expertise of research work results, graduation papers, dissertations;	+			
111	17	free WI-FI and access to educational online resources, throughout the territory of the institution.	+			
112	18	The administration of EP must ensure the copyright compliance when publishing educational and methodical materials in open access.	+			
113	19	Learning equipment and programs must comply with modern requirements.		+		
Subtotal			8	11	0	0
Standard «Information Management»						
114	1	The university should provide proper functioning of information collection system, information analysis and management on the basis of up-to-date information technologies and software.	+			
115	2	The university decides on the amount and structure of periodically updated information and the personnel responsible for reliability and timelines of the information in accordance with the university development strategy.		+		
116	3	The university provides up-to-date, reliable and full information and its storage.		+		
117	4	Educational program leaders should show the evidence of making decisions based on the analysis of the facts.		+		
118	5	The system of information collection, its analysis and management should be used for maintaining the quality of the educational program.		+		
		<i>The information collected and analyzed by educational organizations should take into consideration the following:</i>				
119	6	dynamics of student contingent in the context of its forms and types;	+			
120	7	students' progress, achievements and dismissals;	+			
121	8	students' satisfaction with the educational program and quality of education at university;		+		
122	9	availability of the resources and support system for students;	+			
123	10	employment and career advancement of the alumni.		+		
124	11	Leaders of the educational program should show the ability of the information analysis for revealing and predicting risks.			+	

125	12	The university should provide effective functioning of the informing and feedback systems for students, staff and stakeholders.		+		
126	13	Students, employees and teachers must confirm their consent to personal data processing.	+			
127	14	Involvement of students, staff and the faculty in information collection, its analysis and making decisions on its basis is a very important factor.		+		
Subtotal			5	8	1	0
Standard «Informing of the Public»						
128	1	The university should publish the information about its activity in general and educational programs, in particular. The information should be clear, concise, objective, up-to-date and comprehensible.	+			
129	2	Leaders of the EP should use various means of informing the general public and stakeholders, information networks, in particular.	+			
		<i>The university should demonstrate the information that characterizes the university in general and educational programs, in particular, on the web-site, and effectiveness of the web-site for the improving the process of education. The web-site should have the following information:</i>				
130	3	full and objective information about educational programs, including existing student support systems, main learning outcomes and qualifications;			+	
131	4	adequate and objective information about the faculty, personal sites, in particular;		+		
132	5	transparent information about complaint handling and virtual complaint book;		+		
133	6	information about cooperation with other scientific / consulting organizations and educational organizations suggesting the same educational programs;	+			
134	7	information and links to the results of the external evaluation.			+	
135	8	Participation of the EP in ranking and ratings is the important factor.		+		
Subtotal			3	3		0
Standard “Standards for individual EP”						
EDUCATION						
<i>EPs in the direction of "Education" are obliged to comply with the following requirements:</i>						
136	1	EP administration is obliged to ensure the theoretical knowledge of graduates in the field of psychology and communication skills as well as analysis of personality and behavior, methods of preventing and conflict resolution, learners’ motivation;		+		
137	2	EP administration is obliged to demonstrate the literacy of graduates in Information Technology		+		

		program.				
138	3	EP administration is obliged to display the programs containing innovative methods of teaching and learning planning including interactive methods of teaching with the high level of student engagement and motivation (games, case- study, use of multimedia resources);	+			
139	4	EP administration is obliged to demonstrate the students ability to train the skills of self-learning;		+		
140	5	EP should focus on different types of practices: - attending lectures and seminars conducted by teachers; - conducting special seminars and discussing the innovative methods and technologies of teaching;		+		
141	6	Students of the EP should be given the knowledge and skills of pedagogical systems and methods in the world, as well as the knowledge in the sphere of education management.		+		
Subtotal			1	5	0	0
NATURAL SCIENCES, TECHNICAL SCIENCES AND TECHNOLOGIES						
<i>EPs in the fields of “Natural sciences”, “Technical sciences and technologies” such as “Mathematics”, “Physics”, “Information systems”, etc. are obliged to comply with the following requirements:</i>						
142	1	EP is obliged to include subjects and activities aimed at obtaining practical experience and skills for the whole profession and majors in particular in order to get students introduced to professional environment and current issues in the field of their specialization as well as for the acquisition of skills through theoretical training education program.: - excursions to enterprises in the field of specialization (plants, workshops, research institutes, laboratories, etc.) - conducting lessons and seminars at the enterprise of specialization; - conducting seminars to solve practical tasks relevant to enterprises in the field of specialization, etc.		+		
143	2	The teaching staff must consist of at least one full-time teacher who has a long experience of working at enterprises in the field of specialization.	+			
144	3	The contents of all the disciplines within the EP must be based and include a clear correlation with the contents of fundamental natural sciences such as Mathematics, Chemistry, Physics.	+			
145	4	EP administration is obliged to demonstrate that graduates of the EP possess these skills and that these skills are really in great demand on the labour market;		+		

146	5	EP administration is obliged to display a labor market analysis and provide the examples of successful employment of graduates.		+		
Subtotal			2	3	0	0
SUBTOTAL IN GENERAL			49	77	14	

