



INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

Addressed to the
IAAR Accreditation Council

REPORT

**on the results of the external expert committee (EEC) evaluation
for compliance of the educational programs**

5B070700-Mining

5B070800-Oil and Gas Engineering

5B071300-Transport, transport equipment and technology

5B072900-Construction

with the requirements of the specialized accreditation standards

**AKTOBE REGIONAL STATE UNIVERSITY
NAMED AFTER K.ZHUBANOV**

November 28-30, 2016

Aktobe city 2016

Based on the Order of the Independent agency for accreditation and rating no. 49-16-ОД as of 07/11/2016 external expert committee during November 28-30, 2016 evaluated the compliance of the following educational programs of Aktobe Regional State University named after K.Zhubanov with the specialized accreditation standards of IAAR: 5B050600-Economics; 6M050600-Economics; 5B050800-Accounting and Audit; 5B050900-Finance; 5B051000-Governmental and local management; 6M051000 - Governmental and local management; 5B070700-Mining; 5B070800-Oil and Gas Engineering; 5B071300-Transport, transport equipment and technologies; 5B072900-Construction.

Report of the external expert committee (EEC) contains an assessment of the presented educational programs to the IAAR criteria, as well as EEC recommendations for further improvement of educational programs and profile parameters of educational programs at the Aktobe Regional State University named after K. Zhubanov.

EEC membership:

1. **Committee Chairman** - Ardak Sakhanova, Doctor of Economics, Professor, Kazakh Ablai Khan University of International Relations and World Languages (Almaty city);
2. **Foreign expert** - Alexander Drozdov, Doctor in Technical sciences, Professor, Russian State University of Oil and Gas named after I.Gubkin (Moscow city);
3. **Expert** - Dametken Turekulova, Doctor of Economics, Professor, Kazakh University of Economics, Finance and International Trade (Astana city);
4. **Expert** - Gulnara Dyuzelbayeva, Doctor of Economics, Kostanay Engineering and Economics University named after M. Dulatova (Kostanay city);
5. **Expert** - Aigul Rakisheva, Doctor of Economics, Acting professor, Academy of Public Administration under the President of the Republic of Kazakhstan (Astana city);
6. **Expert** - Gulvira Akybayeva, Doctor of Economics, Karaganda State University named after E.A. Buketov (Karaganda city);
7. **Expert** - Dmitriy Pak, Doctor of Technical Sciences, Associate Professor, Karaganda State Technical University (Karaganda city);
8. **Expert** - Nurbolat Sembayev, Doctor of Technical Sciences, Associate Professor, Pavlodar State University named after S. Toraigyrova (Pavlodar city);
9. **Expert** - Murat Rakhimov, Doctor of Technical Sciences, Associate Professor, Karaganda State Technical University (Karaganda city);
10. **Employer** - Damilya Kunanova, Head of Human Resources Development, Chamber of Entrepreneurs "Atameken" Aktobe region (Aktobe city);
11. **Student** - Elnara Kainazarova, 4th year student, BSc course in "Finance", Kazakh-Russian International University (Aktobe city);
12. **Student** - Meirambek Orazov, 1st year MA in "Management", Kazakh-Russian International University (Aktobe city);
13. **Student** - Alibi Khamidullin, 4th year BA student in "Oil and Gas Business", Aktobe University named after S. Baishyeva (Aktobe city);
14. **Observer from the Agency** - Timur Kanapyanov, Head of international projects and public relations, IAAR (Astana city).

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Independent agency for
accreditation and rating

1. INTRODUCTION TO THE REPUBLICAN STATE ENTERPRISE ON THE RIGHT OF ECONOMIC MANAGEMENT “AKTOBE REGIONAL STATE UNIVERSITY NAMED AFTER K. ZHUBANOV”

The Aktobe Regional State University named after K. Zhubanov (hereinafter - ARSU) was incorporated on the basis of the Government Decision no. 529 as of May 29, 2013 through the merger of the Aktobe State University named after K. Zhubanov and the Aktobe State Pedagogical Institute. Officially, ARSU was registered on August 29, 2013.

The University provides education services based on the state license to conduct educational activities with the number 13014680 as of 17/09/2013 on 55 Bachelor courses, 15 Master courses and 1 Doctoral course.

In December 2015 the University successfully passed the state certification. By the decision of the State Commission under the Ministry of Education and Sciences of the Republic of Kazakhstan (hereinafter – MES RK) all educational programs of the University were assessed positively (MES RK order №1522 as of 10/11/2015).

ARSU annually participates in the national rankings of Kazakhstan universities. In 2014 on the basis of the national rankings of educational programs conducted by the Independent agency for accreditation and rating (hereinafter - IAAR), 18 educational programs of this higher educational institution (hereinafter – HEI) have taken leading positions, and the university became the 9th in the **TOP-20** best universities of Kazakhstan. In 2014 rating of the Republic of Kazakhstan universities compiled by the Center of Bologna process and academic mobility under the MES RK, Aktobe Regional State University named after K. Zhubanov became 21st among the **TOP-30** best universities of the Republic of Kazakhstan.

Based on the 2015 national rankings of educational programs of the Republic of Kazakhstan universities, 5 educational programs of the university were leading in the ranking and 14 university courses (specialties) entered the top five best educational programs of the Republic of Kazakhstan HEIs.

6 educational programs of the university were leading in 2016 rankings, and 16 courses (specialties) were included in the top five educational programs of the RK universities, in the general ranking of universities ARSU based on training assessment in the course "Education" became the 5th, in the course "Natural Sciences" - 5th, "Humanities" - 7th, "Social sciences, economics and business" - 9th.

Educational programs under accreditation were leading based on the results of national rankings of educational programs in 2014: EP-6M051000 Governmental and local management was ranked as the 3rd (225 grade points); EP 5B071300-Transport, transport equipment and technologies - 3rd (467 grade points). Some educational programs are in the top ten educational programs: EP 5B051000- Governmental and local management - 4th position (421 grade points); 5B070700-Mining - 4th position (432 grade points); 5B070800- Oil and Gas Engineering - 4th position (436 grade points); 5B072900- Construction - 7th (371 grade points); 6M050600- Economics - 8th (223 grade points); other programs were ranked as follows: 5B050900 EP-Finance - 11th position (411 grade points); 5B050600-Economics - 13th position (337 grade points).

As a result of 2015 national ranking top ten educational programs included: 5B070800- Oil and Gas Engineering - 7th position (231 grade points); EP 5B071300-Transport, transport equipment and technology - 7th position (231 grade points), and other positions in the ranking. In 2016 top ten programs included: EP-55B070700 Mining - 4th position (302 grade points); 5B070800- Oil and Gas Engineering - 5th position (422 grade points); EP 5B071300-Transport, transport equipment and technology - 8th position (420 grade points); 5B072900-Construction - 9th position (276 grade points).

Based on the traditional contest in 2015, held by the republican socio-political newspaper "President and People" in cooperation with the "Uakyt Tandauy" - "Timing selection" Agency, ARSU was recognized as "The best institution of higher education."

In 2015, the University for the second time was awarded the diploma "Public Recognition" in Aktobe region in the nomination "The best academic institution."

Independent agency for accreditation and rating of the Republic of Kazakhstan accredited 6 courses (specialties) of ARSU in 2014 through the institutional and specialized accreditation. Generally, as of 2016 the institution was accredited in 22 educational programs.

The University has undertaken a number of changes in the reporting period related to amendments in the development strategy reflected in the change of the quality policy. There have been amendments and additions made to the existing internal HEI's provisions, the new regulations on the organization of educational process on the programs of higher and postgraduate education have been developed.

Currently, ARSU based on different areas of international cooperation in education and science has established connections at the international level with the leading foreign and domestic universities. In order to implement international cooperation in the field of education and science 155 agreements were drafted and signed; scientific links with the international scientific and educational organizations have been established.

Graduate Departments of accredited educational programs at the Economy and Law Institute established collaborative contacts with the leading universities of Kazakhstan: Kazakhstan Economic University named after T. Ryskulov, Kazakh National University named after Al-Farabi, Eurasian National University named after L. Gumilev, Kazakh National Pedagogical University named after Abai, "Turan" University and universities of near and far abroad: Technology University of Tennessee (USA), Baltic International Academy (Latvia), Orenburg State Agrarian University, Orenburg State University, "Kazan (Volga) Federal University" branch in Naberezhnye Chelny city, Karakalpak State University named after Berdakh and Bashkir State University, St. Petersburg National Research University of information technologies, mechanics and optics.

Educational programs of a technical cluster under accreditation have close ties with a number of near and far abroad universities: Technological University of Tennessee (USA), Xinjiang University of Finance and Economics (China), Dnepropetrovsk State Mining University, Magnitogorsk State Technical University named after G.I.Nosov, South Ural State University, Ufa State Oil Technical University, Almet'yevskiy State Petroleum University, Chelyabinskiiy State Technical University, Bashkir State University, Ivanovo State Polytechnic University, Vladimirskiy State Technical University named after A. Stoletov and G.Stoletov.

For merits in the field of education and science, a number of university lecturers were awarded orders, medals and honorary titles, diplomas and award pins: "The scientist who has made an outstanding contribution to the development of science and technology of Kazakhstan", award named after K. Satpaev, award pins named after Y. Altynsarin, "Honored worker of education of the Republic of Kazakhstan", "For merits in the development of science of the Republic of Kazakhstan", "Excellence in education of the Republic of Kazakhstan"; orders "Kurmet belgisi" and "Badge of Honor"; holders of the International Scholarship from the President of Kazakhstan "Bolashak", winners of the world championships, the Honoured Art Workers", "Honorary citizens of the Aktobe city", 19 university professors were awarded the state grant from the MES RK "The best lecturer of HEI."

Over the last 3 years there is a rise of research funded by the state budget. The bulk of the state funded research was made under the government order program of the Ministry of Education and Science, the regional center of history, ethnography and archeology under the department of culture of Aktobe region.

As a result of the competition for the MES scientific research funding 9 grants were received (funding amount 67,513,000 KZT).

The infrastructure of the university consists of 6 academic buildings, educational and industrial premises, 2 Students Palaces, 2 museums, sports center, sports facilities, swimming pool, 2 houses of students, student clinic. The total area of buildings and facilities of the

University, according to the available technical data sheets accounts for 103,728.2 sq. m. All buildings of the University meet the sanitary standards and fire safety requirements and the requirements of the state obligatory standards of the University courses (specialties).

For the organization of educational process ARSU is sufficiently equipped with training and laboratory facilities, modern technology in classrooms, lecture halls and in all university departments.

The University Library is located in all academic buildings, in the Students House and in the "Confucius" Institute. The area of the reading rooms – 1,728.8 sq. meters, the total number of seats – 940 pcs.

The total volume of the library book fund accounts for 1,632,466 copies, including books in Kazakh language – 664,003 copies, equal to 40.6%.

The library fund for the educational programs under accreditation is as follows: EP-5B050600 – Economics and 6M050600- Economics – 20,464 copies (Book Supply for 1 student - 206.7);

5B050800-Accounting and Audit – 28,072 copies (Book Supply for 1 student - 206.6); 5B050900-Finance – 34,928 copies (Book Supply for 1 student - 174); 5B051000- Governmental and local management, 6M051000- Governmental and local management – 38,614 copies (Book Supply for 1 student - 221.9); 5B070700-Mining – 26,409 copies (Book Supply for 1 student - 162.7); 5V070800-Oil and gas Engineering – 51,689 copies (Book Supply for 1 student - 153.3); 5B071300-Transport, transport equipment and technology – 28,291 copies (Book Supply for 1 student - 152.9); 5B072900-Construction – 26,296 copies (Book Supply for 1 student - 221.9).

The university library provides access to the catalogs of the Republican Interuniversity electronic library of Kazakh National Electronic Library and to the world databases: "SpringerLink", "Thomson Reuters", "ELSEVIER", "POLPREDsom", "RGB", etc. In the current academic year ARSU has signed contracts for the maintenance of databases for the amount of 1,986,000 KZT.

The reading rooms of all buildings and dormitories have free WI-Fi internet for undergraduates and students. Local connections are available in each building, which is effectively used in testing of students.

ARSU has an automated information system "PLATONUS", which includes technological support of students and faculty. Since September 2016 University has been carrying out its academic activities with information and software package "UNIVER", enabling to automate the learning process, beginning with the enrollment of students, ending with their graduation.

Implementation of this goal is to develop a web-application associated with the centralized database of the educational process with authentication and authorization functions. An information system of security is the basis of the current training process.

It provides protection of data from the unauthorized access by setting access rights for users. The system provides users with the access to personalized information on educational process and centralized data storage. "UNIVER" system is designed to solve this problem, i.e. it ensures registration, authorization of users, access control to resources, distribution of system on user groups, etc. Access to the system is available only after the identification of the registered users. Each user has access only to certain type of information (system modules), that is, based on their roles rights to view certain data are defined. Each user corresponds to a family of elements of the application (IS components), focused on the peculiarity of problems solved by division. Input and output of data in the information system is decentralized and delimited. The basis of the design and operation of the "UNIVER" system is based on the principle to secure specific functions of services and ensure partial implementation by means of an information system. In addition, editing of one and the same data in different structural units of the university is excluded. This ensures responsibility of employees for the quality of their data set.

The main information about the University activities is available on the official website of the University www.arsu.kz in 3 languages (Kazakh, Russian, English).

2. DESCRIPTION OF THE EEC VISIT

Table 1. Information on the number of interviewees participated in the EEC meetings of IAAR

Category of participants	Quantity
Vice-Rectors in different areas	2
Deans and Director of the Institute	3
Heads of departments	7
Heads of structural units	13
Teachers	108
Students	630
Master degree students	25
Graduates	130
Employers	63
Total	981

During the site visit, members of the EEC got acquainted with the state of the facilities (material and technical foundation). An excursion around the university and its area was carried out: classrooms, teaching laboratories, working rooms; University Library; Research and practice center of e-learning; the "Confucius" Institute; Scientific Laboratory "Nanotechnology"; Students' Palace, Palace of Youth; sport complex №1 and №2; Student health center; Students houses (2); "Dolphin" swimming pool.

Visits were also made to the internship bases and department branches of the educational programs:

1. JSC "Damu Entrepreneurship Development Fund";
2. AB JSC "Sberbank";
3. Department of the Republic of Kazakhstan Agency for Civil Service Affairs and Anti-Corruption in the Aktobe region;
4. "Science Research Engineering Center ERG" LLP;
5. "AktjubNIGRI" Exploration Institute LLP;
6. "Autopark" LLP;
7. "Intex LTD" LLP.

The list of classes EEG members visited during accreditation procedure of educational programs:

1. Practical class on the subject "Processing and dressing of mineral resources" of the educational program 5B070700-Mining (3rd year students, course instructor M.M. Taizhigitova) (room no. 62, Technical Faculty building);
2. Lecture on discipline "Drilling of oil and gas wells" of the educational program 5B070800-Oil and Gas Engineering; group OGER-3, Lecture theme "Completion and development of oil wells." (Senior Lecturer - G.M. Kosmbayeva);
3. Practical class on discipline "Electrical equipment for transport machinery" of the educational program 5B0071300-Transport, transport equipment and technology (3rd year students, Senior lecturer - B.K. Akhmetov) (room no.26, Technical Faculty building);
4. Lecture on discipline "Safety measures in inspection of buildings" and "The examination and testing of buildings" in Russian language of the educational program 5B072900-Construction (group Sr-4, room no. 305 PS, Senior lecturer – B.B. Kulsharova, Technical Faculty building).

3. OVERALL ASSESSMENT OF EDUCATIONAL PROGRAMS

Educational activities on courses (specialties) 5B070700 - Mining, 5B070800 - Oil and Gas Engineering, 5B0071300-Transport, transport equipment and technology and 5B072900-Construction is performed by the university in accordance with the state license no. 13014680 of the MES as of 17/09/2013, issued by the Committee on Supervisory and certification in the field of education and science of the Republic of Kazakhstan.

In accordance with the classifier of specialties graduates of educational programs are conferred an academic degree of Bachelor of Engineering and Technology in the following specialization areas 5B070700 - Mining, 5B070800 – Oil and Gas Engineering, 5B0071300-Transport, transport equipment and technology and 5B072900-Construction respectively.

The content of educational programs is designed to meet the modern achievements of science and technology and production requirements. The catalogue of elective disciplines (CED) and studying work programs are annually updated.

Evaluation of educational achievements and the level of students excellence is ensured through the use of score-rating system. The required quality of training is ensured through the use of modern educational technologies, implementation of the main educational processes by highly qualified teaching staff. Educational programs are planned, managed and implemented in accordance with the long-term development plans of the university. The medium of instruction for training in educational programs 5B070700 - Mining, 5B070800 - Oil and Gas Engineering, 5B0071300-Transport, transport equipment and technology and 5B072900-Construction are Kazakh and Russian languages.

Educational programs 5B070700 - Mining, 5B070800 - Oil and Gas Engineering, 5B0071300-Transport, transport equipment and technology and 5B072900-Construction have the following advantages:

- Development Plans for the educational programs are publicly discussed with representatives of all stakeholders to ensure its consistency with the national development priorities and ARSU development strategy;
- Ensuring compliance of the teaching staff to the qualification requirements, the level and peculiarity of the educational program;
- Learning environment reflects the specifics of each educational programs, which includes: personalized online resources (with access during extracurricular time), including teaching materials and tasks, providing the possibility of a trial self-assessment of students' knowledge through the remote access to the portal (website) of University and others;
- Orientation of the content on the formation of a practice-oriented training of students;
- Cooperation with the typical employers during the training process, a survey of employers to identify opinions of the latter on the quality of educational services;
- Automation of the knowledge monitoring and recording of students academic achievements;
- Functioning e-library with unlimited access to library resources;
- Availability of free WI-FI;
- An availability and completeness of learning kit for all disciplines of educational programs.

4. RECOMMENDATIONS TO IMPROVE EDUCATIONAL PROGRAMS AT THE REPUBLICAN STATE ENTERPRISE ON THE RIGHT OF ECONOMIC MANAGEMENT “AKTOBE STATE REGIONAL UNIVERSITY NAMED AFTER K. ZHUBANOV”

In order to further improve processes of educational programs management EEC recommends:

1. to improve the analysis system of the implementation of the developed plans, performance and efficiency evaluation of the parties involved in the design and implementation of the educational programs, taking into account certain external and internal risks;
2. to continue further work on the formalization of interaction processes with employers in the development and approval of educational programs;
3. to intensify efforts to increase cooperation and exchange of experience with domestic and foreign universities, implementing identical educational programs;
4. to enhance efforts to improve the content of the educational program in reference with a similar academic program of the leading international and Kazakhstan educational organizations;
5. to provide continuing education opportunities following graduate education programs and additional education programs;
6. to strengthen the work on the university self developments in the field of the specialized subjects teaching methods;
7. to provide the opportunity to ensure the conditions for inclusive education (special programs, training materials).
8. to enhance work on internal and external mobility of students and faculty in educational programs;
9. to involve widely students in research work;
10. to ensure opportunities for professional certification of students in the learning process at the university;
11. to promote the publication of research results in the cited scientific editions;
12. to strengthen the work in introduction of the faculty research results in the educational process, as well as to attract the best foreign and local teachers for joint research;
13. to elaborate development programs of educational and scientific laboratories and create conditions for arrangement of research teams with the involvement of the various contractual funded enterprises;
14. systematically contribute to the renewal of equipment, software and technology in accordance with the relevant industrial requirements;
15. to enhance students and faculty engagement in the process of information collection and analysis for informative decisions, as well as to enhance transparency of information in complaints review;
16. to envisage the possibility of analyzing information to identify and anticipate risks;
17. to reflect information about the interaction between the cluster of educational programs with research organizations and educational institutions that implement these educational programs;
18. to regularly discuss the latest methodologies and learning technologies for educational programs.

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 content 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	20	1	
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			5	14	2	
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			4	7	1	
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			3	11	2	
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	13	1	
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			6	13	-	
Standard d «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			3	11	-	
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			4	4		
Standard "Standards for individual EP"						
ENGINEERING SCIENCES AND TECHNOLOGY						

<i>Educational programs in the field of "Engineering and Technology" should meet the following requirements:</i>						
136	1	In order to familiarize students with the professional environment and current issues in the field of specialization, and help to acquire skills based on theoretical training the EP should include courses and learning activities aimed at obtaining practical experience and skills in general and in majors in particular: - excursions to the enterprises in the field of specialization (factories, studios, research institutes, laboratories, educational and experimental centers, etc.), - conducting individual lessons or complete courses at the enterprise specialized in the field of EP, - conducting workshops to solve practical problems relevant to enterprises in the field of specialization, etc.		+		
137	2	The faculty involved in the EP should include full-time lecturers who have a long experience of working as a full-time employee at the enterprises in the area of EP specialization.	+			
138	3	The contents of all EP courses should to some extent be based clearly linked to the content of such fundamental sciences as mathematics, chemistry and physics.	+			
139	4	EP leaders should provide opportunities to enhance practical training in the field of specialization.		+		
140	5	EP leaders should ensure students' training in the field of modern information technologies.		+		
Subtotal			2	3		
Subtotal in general			37	96	7	

Independent agency for
accreditation and rating