



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING



REPORT
of external expert commission (EEC)
on the results of specialised accreditation
of educational programmes
5B011100 – «Informatics», 5B060200 – «Informatics»,
5B070300 – «Information systems», 5B070400 – «Computer technology and software»,
6M010900 – «Mathematics»

**West Kazakhstan State
University after M. Utemisov**

from April 20 to April 22, 2017

Uralsk, 2017

INDEPENDENT AGENCY OF ACCREDITATION AND RATING
External expert commission

*Addressed to the Accreditation
Council of Independent Accreditation and
Rating Agency*



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According to the order of 19-17-OD of 04.04.2017 of the Independent Accreditation and Rating Agency from April 17 to 19, 2017, the external expert commission assessed the compliance of educational programs 5B011100 - "Informatics", 5B060200 - "Informatics", 5B070300 - "Information systems", 5B070400 - "Computer equipment and software", 6M010900 - "Mathematics" of the West Kazakhstan State University after M. Utemisov to the standards of specialized accreditation of the IARA.

The report of the external expert commission (EEC) contains an assessment of the submitted educational programs to the criteria of the IARA, recommendations of the EEC for further improvement of educational programs and profile parameters of the educational programs of the West Kazakhstan State University M. Utemisov.

EEC consists:

1. **Commission Chairman** – Vladimir Nikolayevich Kokosov, Doctor of Physics and Mathematics Sciences, Professor of Kazakh National Pedagogical University after Abay (Almaty);
2. **Foreign expert** – Olga Anatoliyevna Stokolos, Candidate of Technical Sciences, Assistant Professor, Russian State University of Oil and Gas after I.M Gubkin (RSU), AKKORK expert (RF);
3. **Foreign expert** – Ognyan Borisov Manolov, Ph.D. (c.t.sc.) on Cybernetics and Informatics, associate professor, European Polytechnic University (Pernik city, Bulgarian), ACQUIN expert (Germany);
4. **Expert** – Zhanat Kairollinovna Shomanova, CNS, DTS, Pavlodar State Pedagogical Institute (Pavlodar);
5. **Expert** – Klara Zhamanbayevna Turebayeva, Doctor of Pedagogical Sciences, Aktyubinsk Regional State University after K. Zhubanov (Aktobe);
6. **Expert** – Meruet Sakenovana Kurmanbayeva, DBS., Kazakh National University after Al-Farabi (Almaty);
7. **Expert** – Zhanar Ozgeldinovna Ozgeldinova, PhD Doctor, Eurasian National University after L.N. Gumilev (Astana);
8. **Expert** – Aisulu Abzhaparovna Ismailova, PhD Doctor, Kazakh Agrotechnical University after S. Seifullina (Astana);
9. **Expert** – Gulnara Bayanovna Turtkarayeva, Doctor of Pedagogical Sciences, Assistant Professor, Kokshetau State University after Sh. Ualikhanova (Kokshetau);
10. **Employer** – Aigul Kuspanovna Abulkaurova, Head of the Human Capital Development Department of the Chamber of Entrepreneurs of WKO “Atameken” (Uralsk);
11. **Student** – Olga Andreevna Plakhotnyk, the 4th year student of OP 5B072000-Chemical technologies of inorganic substances, West Kazakhstan Agrarian Technical University after Zhangir Khan (Uralsk);
12. **Student** – Moldir Shamaelkyzy Sharipholla, the 4th year student of OP 5B060800- Ecology, West Kazakhstan Agrarian Technical University after Zhangir Khan (Uralsk);
13. **Student** – Sholpan Samatkyzy, the 4th year student of OP 5B011100-Informatics, West Kazakhstan Innovation and Technology University (Uralsk);
14. **The observer for the Agency**– Timur Erbolatovich Kanapyanov, Head of International Projects and Public Relations of IARA (Astana).

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1. WEST KAZAKHSTAN STATE UNIVERSITY AFTER M. UTEMISOV PRESENTATION

West Kazakhstan State University after M. Utemisov was opened as a pedagogical institute in 1932. In 1996, the Ural Pedagogical Institute was transformed into the Western Kazakhstan Humanities University. On May 30, 2003, by the Decree of the Government of the Republic of Kazakhstan No. 497, the WKSU was given the name after Makhambet Utemisov.

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Educational activity WKSU carries out in accordance with state license No. 0026241 series AB (in 2012, in connection with the replacement of licenses WKSU received license No. 12019665 issued by the Committee for Control in the field of education and science of the Republic of Kazakhstan on 11.12.2012).

The structure of the university includes the faculties of physics and mathematics, pedagogical, philology, history, economics and law, culture and art, the scientific library, the publishing center and the media, the testing laboratory of ecology and biogeochemistry, and other units of scientific, educational and production areas.

As part of the faculties of the 23 departments, preparing staff for 51 specialties bachelors, 24 magisters. There are more than 400 teachers at 23 departments. Among them there are 24 Doctors of Sciences, 144 Candidates of Sciences, four PhD and 15 holders of the grant "The Best Teacher of the University of the Republic of Kazakhstan", which testifies to the rather high professionalism of the teaching staff.

West Kazakhstan State University after M. Utemisov has 7 educational buildings, 3 student hostels, 2 standard sports halls, 3 adapted gyms, 2 outdoor sports grounds, an agrobiostucture. Educational and methodical work, research work, educational work, etc. The management system of the university is built on the principle of vertical and assumes structural distinctions in the areas of activity: educational and methodical work, research work, educational work, etc.

Internal regulatory and organizational and administrative documentation allows for operational management and distribution of authority.

In order to develop corporate governance, the Regulations were adopted and the composition of the Employers' Council, the Graduates' Association was formed. July 7, 2016 by the order of the Ministry of Education and Science of the Republic of Kazakhstan, the composition of the Supervisory Board of the WKSU was approved.

Based on the results of national institutional accreditation in 2014. (No. AA0022 dated May 21, 2014), the university is accredited for a period of five years. According to the results of specialized accreditation, 26 educational programs (15 bachelors and 11 magisters) are accredited for a period of five years. In 2013, 3 educational bachelor's programs are accredited by the international institute of accreditation, certification and quality assurance ACQUIN.

In the rating conducted by the Independent Agency for Accreditation and Rating (NAAR), three specialties took 2nd place (5B012100 Kazakh language and literature in schools with non-Kazakh language of instruction, 5B040300 Vocal Art, 6M011700 Kazakh Language and Literature) and six took 3rd place (5B060900 Geography, 5B011300 Biology, 5B040200 Instrumental performance, 5B041700 Decorative art, 5B050500 Regional Studies, 5B091000 Library science).

Today, the West Kazakhstan State University after M. Utemisov, leads the regional market of educational services. In 2013 Successfully passed the state attestation, which confirms a sufficiently high level of educational, educational, personnel, financial and other processes of the university.

The university provides access to the catalogs of the Republican Interuniversity Electronic Library, the Kazakh National Electronic Library and to the world databases: "SpringerLink", "Thomson Reuters", "ELSEVIER", "POLPREDSOMcom", RGB, etc. The library fund is being replenished every year. The average amount of 15843650 tenge (over five thousand copies of books). The library fund is 1069393 units, the volume of educational, educational and scientific literature totals - 995516 units, including, in the Kazakh language, 403577 units, and other languages - 10950 units.

2. VISIT DESCRIPTION OF EEC

Visit of an external expert commission to the West Kazakhstan State University after M. Utemisov was organized in accordance with the program, agreed in advance with the chairman of the EEC (annex) and approved by the rector of the university.

In order to coordinate the work of the EEC on 16.04.2017, an installation meeting took place, during which the powers were distributed among the commission members, the schedule of the visit was specified, and agreement was reached on the choice of methods of examination.

The meetings of the EEC with the target groups were held in accordance with the updated program of the visit, with observance of the established time interval. From the team of the West Kazakhstan State University after M. Utemisov was provided with the presence of all persons indicated in the program of the visit.

During the visit, in addition to working with target groups, there were talks with students, undergraduates and university lecturers, graduates and employers.

Information about employees and students participated in meetings with the EEC NAAR

Category of participants	Quantity
Rector	1
Vice-rectors	3
Deans	3
Heads of Department	4
Heads of structural subdivisions	23
Teachers	59
Students, Magesters	75
Undergraduates	25
Employers	14
Total	204

EEC members attended classes on accredited educational programs:

EP 6M010900 – “Mathematics”:

- discipline “*Important issues of analysis*” (lecture), B.V Ulanov (R1F2 Maths, Room 214).

EP 5B011100 – “Informatics”:

- discipline «Мобильді роботтарды жобалау» (practice), D. N. Kurmasheva (IS-22+04307group, Room 220).

EP 5B060200 – “Informatics”:

- discipline «Білім беруді ақпараттандыру» (practice), G. K. Amanturlina (I-11, Room 305).

- discipline «Білім беруді ақпараттандыру» (practice) G. K. Amanturlina (IS-11, Room 305)

EP 5B070400 – “Computer programs and software”:

- discipline «Ақпараттық қауіпсіздік негіздері» (practice), Lee Jong Hyun (04309, Room 209)

- discipline «Компьютер архитектурасы» (practice), M.M Imangaliyev (BTиПО-21, Room 219 IT).

During the excursion, the members of the EEC familiarized themselves with the state of the material and technical base, visited the IT center: Applied Software Laboratory, Laboratory of Educational Television and Graphic Design, Robotics Laboratory, WKSU Museum, Institute for Multilingualism, Electronic Reading Room, Rare Books Hall, Reading Room.

The events planned within the framework of the visit of the EEC NAAR 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 the EEC NAAR members to conduct an independent assessment of the correspondence of the data set out in the self-assessment reports of the university's educational programs to the criteria of the specialized accreditation standards of the NAAR.

Within the framework of the planned program, recommendations on improving the University's activities developed by the EEC on the results of the examination were presented at a meeting with the leadership on April 19, 2017.

3. GENERAL EVALUATION OF EDUCATIONAL PROGRAMS

Educational programs 5B011100 - Informatics, 5B060200 - Informatics, 5B070300 - "Information systems", 5B070400 - "Computer equipment and software", 6M010900 - "Mathematics" are realized in accordance with the Appendices to the Licenses for the right to conduct educational activities series №12019665, dated 11.12. 2012), the Order of the CCSCS of the Ministry of Education and Science of the Republic of Kazakhstan No. 1641 of 11.12. 2012.

Training of specialists in the direction 5B011100 - Informatics has been carried out since 1985, in the direction 5B060200 - Informatics has been implemented since 1990, in the direction 5B070300 - Information systems have been implemented since 1998, 5B070400 - "Computer equipment and software" has been implemented since 2011. In 2012, a master's degree in specialty 6M010900 - Mathematics was opened.

To date, the Department of Educational Programs 5B011100 - Informatics, 5B060200 - Informatics, 5B070300 - "Information Systems", 5B070400 - "Computer Science and Software", is the department "Informatics" and the Department "Physics and Mathematics" in accordance with EP 6M010900 - "Mathematics".

Educational programs of the specialty 5B011100 - Informatics, 5B060200 - Informatics, 5B070300 - "Information systems", 5B070400 - "Computer equipment and software", 6M010900 - "Mathematics" are developed in accordance with the main provisions of the State Educational Standards. The language of instruction is Kazakh and Russian.

The contingent of students according to EP 5B011100 - "Informatics" is 53 people, including 28 (52%) students on the state order; 5B060200 - "Informatics" - 5, of which 4 (80%) - are trained on an educational grant; 5B070300 - "Information systems" is 30 people, of which 1 (3%) - is trained on an educational grant; 5B070400 - "Computer equipment and software" - 35, including 22 (62%) of students on the state order; 6M010900 - "Mathematics" - 4, of which 2 (50%) undergraduate students study according to the educational grant.

Under the Bachelor's and Master's programs, the general competencies of higher education are mastered according to the Dublin descriptors, including competences oriented to the region, defined by the WKSU after M. Utemisov in modular educational programs.

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

Preparation of bachelors is conducted on full-time and part-time forms of training. In accordance with the requests of students, the requirements of employers and the labor market, the content of educational programs is adjusted annually through the catalog of elective disciplines (QED) and updating the curriculum work programs.

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 ensured through the application of a score-rating system. The university partially uses the information and educational environment of the university "Platonus", an automated system of electronic timetable "Makhambet."

4. CONFORMING TO THE SPECIALIZED ACCREDITATION STANDARDS

4.1 Standard "Educational program management"

WKSU after M. Utemisov has her published policy in the field of quality. The policy is aimed at intensifying activities to expand ties with foreign academic partners, integration between

education, science and production, and on the stable provision of quality educational services. The development of the culture of quality is confirmed by the prize places of the Republican student Olympiads, international and national accreditation of educational programs, attraction of foreign specialists to the educational process, the system for assessing the satisfaction of the teaching staff and students, and the Regulation on the intra-university control over the quality of education.

The implementation and development of the programs under consideration is determined, first of all, by the mission, vision, the Strategic Development Plan of the WKSU after M. Utemisov for 2017-2021, "(No. 5, January 30, 2017) and the development plans for educational programs.

In the development plans, the OPs have found strategic directions, including:

- formation and improvement of the structure of the OP;
- development of the modular principle of formation of the OP;
- development and improvement of catalogs of elective disciplines taking into account the proposals of employers, university faculty, undergraduates and students;
- improving the conditions for research activities of undergraduates, etc.

Experts confirm that the program development plans are based on the analysis of the functioning of programs, their real positioning, are coordinated with national educational development priorities and the strategic plan of the university and are aimed at meeting the needs of interested persons.

At the same time, experts note that it is necessary to continue work on improving the mechanism for the formation, revision and monitoring of development plans for the EP.

The leadership of the university attracts representatives of different groups of stakeholders to determine the direction of development of educational programs and their management.

At the same time, experts recommend ensuring the involvement in the development of master's development plans, the constant informing of TS and other interested persons about the adopted corrective actions based on the results of the analysis of identified non-conformities.

The uniqueness of the educational program 5B011100 - "Informatics" is the focus on the preparation of future computer science teachers with knowledge of a foreign language, which owns information technologies for solving various pedagogical tasks.

A distinctive feature of educational programs 5B070300- "Information systems", 5B070400 - "Computer equipment and software" is the focus on the formation of knowledge and competence in the field of robotics.

A distinctive feature of the educational program 6M010900 - "Mathematics" is the focus on the formation of professional competencies in the field of application of information technologies in teaching mathematics and applying problems for regional industries.

For the management of the educational program, information, personnel, financial and logistical resources are available, as well as regulatory and legal documentation that ensure the implementation of educational programs.

The university defines responsible for business processes, unambiguously assigned job responsibilities and delineated the functions of collegiate bodies.

The Academic Council of the University includes representatives of student government (Jusupkaliev D., Rakhimov O., Serikbayeva J.), however, there are no employers and undergraduates.

All measures to control the quality of the educational process, conducted at different levels, are recorded in the form of records, acts, certificates, reports, etc., and are discussed at the meetings of the departments and educational and methodological councils, at meetings of the faculty councils (Minutes No. 1 of 16.09 .2016, No. 5 of January 20, 2017). Based on the analysis and evaluation of control indicators, measures are being developed to improve the quality of implementation of the EP.

At the same time, experts note the insufficient effectiveness of self-evaluation of the activities on the implementation of educational programs, weakly expressed analytical indicators and a comparative analysis of the dynamics of development.

The management of educational programs includes interaction with employers in the form of joint seminars and meetings, QED expertise by employers, employer questionnaires, participation

in the SAC work, master's theses and diploma works commissioned by enterprises. For example, in 2016 graduation works by G.Salimova "Improvement of the advertising service of IE "Salim "and Urazgalieva AN were carried out at the request of enterprises. "Development of the website" Firm VanGrupp. " As a result of the work done, employers recommended disciplines like "Internet technologies", "Robotics", etc.

According to the accredited programs 5B011100 - "Informatics", 6M010900 - "Mathematics" the university closely cooperates with the school of the city, districts and the enterprise: №27 Lyceum-school after M.Mametova, Nazarbayev Intellectual School, Lyceum School №38 after Aliyah Moldagulova, School №1, Branch of JSC "Scientific Center" "Өрлеу" in WKO, West Kazakhstan regional educational and methodological center for informatization and evaluation of the quality of education.

However, according to the educational programs 5B060200 - "Informatics", 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" experts note insufficient interaction with employers.

The Institute of Multilanguages was established in the university, which is headed by Professor Lee Jong Hyun, from the University of Sangkonghoe (Seoul, South Korea), invited by the program.

The plan for the development of the multilingual OP 5B011100 - "Informatics" for 2015-2019. Includes: the development of the EMCD in English, an additional payment and a reduction in the teaching load of the teaching staff in the English language, an increase in the English language hours and the invitation of foreign teachers.

The compliance of the EP with the market requirements is confirmed by a rather high percentage of graduates' employment in the last three years: according to OP 5B011100 - "Informatics" - 93.3%, according to the MA 6M010900 - "Mathematics" - 100%, as well as positive responses from employers.

The university provides a measure of the degree of satisfaction of the needs of different stakeholder groups: a questionnaire on the assessment of conditions for the faculty and students, the questionnaire "Teacher through the eyes of students", interviewing in meetings with the management of the university, questioning employers, which are organized by the issuing departments. In order to improve the work with the appeals of individuals and legal entities, the Regulation on the Work with Complaints, Appeals and Requests in WKSU after M.Utemisov.

The results of the survey are considered at meetings with the participation of heads of departments, following which organizational decisions are made. For example, following the results of the appeal of students and teaching staff, the management of the university decided to switch to a five-day studying.

The management of the university is working to ensure openness and accessibility for students, teachers, employers: hours of reception on personal issues are determined, meetings with the rector are systematically held. However, according to the results of the questionnaire, 4% of the students and 10% of the teaching staff are not satisfied with the level of accessibility and responsiveness of the university administration.

As a channel of communication for innovative proposals, traditional forms of feedback are used: meetings with management and the rector's blog. *At the same time, the commission notes that on the university's website there is no information on hours of reception of managers, as well as e-mail addresses of employees and PPP. The rector's blog is poorly claimed by external stakeholders.*

Strengths of educational programs:

- maintenance and development of a quality culture;
- the level of regulation and the provision of regulatory documentation of processes and various activities.

The Commission recommends:

1. To determine the mechanism for the formation, approval, revision and monitoring of educational programs development plans and to ensure more active involvement and regular information of interested persons.

2. To align the goals and objectives of the accredited educational programs: 5B060200 - "Informatics", 5B070300 - "Information systems", 5B070400 - "Computers and software" mission and strategy of the university.

3. Improve the quality of self-examination in all areas of educational programs and identify risks, and then determine a set of measures to reduce them.

EEC notes that for the accredited programs 5B011100 - "Informatics", 6M010900 - "Mathematics" according to 7 criteria of this standard, the university has strong positions, 20 satisfactory positions.

EEC notes that for the accredited programs 5B060200 - "Informatics", 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" according to 6 criteria of this standard, the university has strong positions, 19 satisfactory positions, 2 positions need improvement.

4.2 Standard "Development and improvement of educational program"

In the university, a model of the graduate student's of EP was formed, in the development of which the teaching staff of the department, graduates and students of the university took part. Graduate's models include general and professional competences and are part of educational programs.

Content and structure of accredited EP 5B011100 - Informatics, 5B060200 - Informatics, 5B070300 - "Information systems", 5B070400 - "Computer equipment and software", 6M010900 - "Mathematics" are formed in accordance with regulatory requirements. In the EP, the most topical disciplines for the region are included (Table 1).

Table 1. The name of EP disciplines

Educational program	Name of disciplines
Speciality 5B011100- Informatics	
Educational Program	Modern software; Computer Modelling; Project management; Multimedia technology; OS
Robotics	Software and hardware complexes; Designing robots; Modeling of software; Constructing technical models; Design of mobile robots
Informatics and mathematics	Some questions of algebra and geometry; Additional chapters of mathematical analysis; Differential equations; Theory of Probability and Mathematical Statistics; Methodology of teaching mathematics
Specialty 5B060200-Informatics	
Technology of Informatics Training	Psychology and development of personality; New information technologies in education; Pedagogy; Methods of teaching computer science; New information pedagogical technologies in teaching computer science.
Computer design	Raster graphics; Vector graphics; Animated graphics; Engineering and interior graphics; 3D modeling software Blender
Robotics	Software and hardware complexes; Designing robots; Modeling of software; Constructing technical models; Design of mobile robots
Specialty 5B070300-Information Systems	
Software	Modern software; Computer Modelling; Project management; Multimedia technology; OS
Technology of Informatics Training	Psychology and development of personality; New information technologies in education;

	Pedagogy; Methods of teaching computer science; New information pedagogical technologies in teaching computer science
Computer design	Raster graphics; Vector graphics; Animated graphics; Engineering and interior graphics; 3D modeling software Blender
Specialty 5B070400-Computers and software	
Software	Modern software; Computer Modelling; Project management; Multimedia technology; OS
Computer design	Designing robots, Designing technical models
Robotics	Software and hardware complexes; Designing robots; Modeling of software; Designing technical models; Design of mobile robots

The structure and content of modular educational programs for the entire period of study are developed by the issuing departments on the basis of typical curricula of the specialty, models of graduates. According to the results of the questionnaire, 6% of the teaching staff note the inadequacy of the work on updating educational programs.

MOP displays the logical sequence of mastering cycles, disciplines, practices, final certification, protection of the thesis work, providing the formation of general and specific competencies. For example, for OP 5B011100 - Informatics logical sequence of mastering cycles: Information technology in education - "ICT in the professional sphere", for OP 6M010900 - "Mathematics": "Didactics" - "Modern problems of teaching mathematics." The complexity of cycle disciplines in Kazakhstan and ECTS credits, as well as in hours with the allocation of lectures, laboratory, practical (seminar) occupations, independent work of students under the guidance of the teacher and independent work of the student, all kinds of professional practice, intermediate certification are indicated.

The Department of Informatics cooperates with the teachers of the Department of Information Systems of ZKATU after Zhangir Khan for the purpose of experience exchange, which implement a similar EP on specialty 5B070300 "Information Systems". There is also ongoing work with the Department of "Computer Science and Information Systems" ZKITU in the specialties 5B070400 "Computer Science and Software" and 5B070300 "Information Systems".

Also elements of dual training are introduced. To this purpose, in 2014-2015 academic year, students 2 course specialty 5B011100 "Informatics" was given the opportunity to attend theoretical and practical classes in school № 38.

Annually, the departments jointly with TSOKUP conducts a procedure for coordinating and approving educational trajectories at the student's choice, taking into account the requirements of employers and the needs of the region, as well as the wishes of students. So for each specialty, 3-5 trajectories are defined. For example: in 2016-2017 academic year on the specialty 5B011100 Informatics - "Software", "Robotics", "Informatics and Mathematics".

On the specialty 5B070300 - Information Systems Department offered three trajectories "Software", "Technology of Informatics Training", "Computer Design".

At the same time, experts point out in accordance with OP 5B060200 - Informatics, 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" in the titles and contents of the disciplines are not paid enough attention to the current trends in the development of the profile area of the specialty studied, and also for all cluster EPs, the need for continuity The content of the EP at different levels.

Strengths of educational programs:

- the labor intensity of the EP in Kazakhstan loans and ECTS is determined;
- availability and effective functioning of individual assistance and counseling for students, individual academic support;

- availability of developed models of the graduate student;
- conformity of the contents of the academic disciplines and the planned results of the pedagogical profile.

The Commission recommends:

1. For EP 5B070400- "Computer Science and Software" it is recommended to introduce elective courses aimed at the formation of professional competences in the field of programming.

2. To revise the trajectories for EP 5B060200 - "Informatics", 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" taking into account the specificity and direction of the profiles.

3. To provide for the possibility of harmonization of EP 5B060200 - "Informatics", 5B070300 - "Information systems", 6M070400 - "Computer equipment and software" with similar EPs of leading foreign and Kazakhstan universities.

4. To take measures for the opening of a master's degree in accordance with EP 5B011100 - "Informatics".

EEK notes that for the accredited programs 5B011100 - "Informatics", 6M010900 - "Mathematics" according to 5 criteria of this standard, the university has strong positions, 13 satisfactory positions, 3 positions need improvement.

EEK notes that for the accredited programs 5B060200 - "Informatics", 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" on 1 criteria of this standard, the university has strong positions, 14 satisfactory positions, 6 positions need improvement.

4.3 Standard "Student-centered learning, teaching and evaluation achievement"

The management of the EP provides equal opportunities for students regardless of the language of instruction in the formation of an individual educational program aimed at the formation of professional competence.

The departments "Physics and Mathematics", "Informatics" provide harmonious development of students taking into account intellectual development and individual characteristics.

The most important condition for effective learning is the use of innovative teaching methods. Ways to improve the existing base of innovative methods and means of teaching are considered at the meetings of the department and EMC of the university. The chairs regularly conduct scientific and methodological seminars, the purpose of which is to familiarize the teachers of the department with different methods of conducting classes.

After passing international and domestic internships, leading teachers share with colleagues about the most effective and proven methods of organizing lecture and practical forms of training. For example, in the implementation of OP 5B011100 - "Informatics", control of students' independent work is carried out by express polling, colloquia, essay writing, computation and graphic work, etc.

Advising students on the educational process is carried out by the adviser, teachers and management of the department both during classroom and out-of-class hours.

There is a system in the university that allows students who missed classes for a good reason to liquidate their debts in a certain period of time.

Within the framework of the EP there is a possibility of appeal. If the number of points is insufficient, the trainee doubts the students in the correctness of the questions, the student can draw an appeal. Members of the Appeals Committee may be the most experienced, competent teachers. The composition of the appellate commission is formed by the head of the department and is approved at the meeting of the department.

During the meetings with the EEC members, the trainees confirmed the possibility of filing an appeal in case of using poor-quality measuring materials during the rating control.

The final attestation of the student provides for the passing of a comprehensive state

examination in 5 special disciplines, writing and defense of the thesis. The state exam is given in writing, on tickets.

The Commission notes a not fully developed system of conditions for inclusive education.

The students express full satisfaction with the quality of teaching (85.7%); fairness of examinations and attestation (86.7%); conducted tests and examinations (90%).

An important role in the training of specialists, namely in the development of their professional competencies, is played by various types of practices provided by the State Educational Establishment of the Republic of Kazakhstan. Students of the specialties of the faculty undergo a study and introduction course (1 course), study and continuous (3 year), pedagogical and professional (4 year) practice. To practice the WKSU named after M.Utemisov, he concluded contracts with schools and enterprises. The basis of the practice of cluster 5 is the secondary school of the city, districts and enterprises (No. 27 Mametova School of Physics and Mathematics, Nazarbayev Intellectual School, Lyceum School No. 38 named after Aliye Moldagulova, School No. 1, Branch of JSC "Өрлеу" of WKO, West Kazakhstan regional educational and methodological center for informatization and evaluation of the quality of education, etc.).

At the end of the practice, students present to the chair a report and a diary, signed by the head of the practice base.

At the same time, experts note that according to EP 5B070300 - "Information systems", 5B070400- "Computer equipment and software" in the third year there is no professional (production) practice and insufficient research elements in the content of the EP.

Strengths of educational programs:

- the leadership of the EP provide equal opportunities for students, regardless of the language of instruction, to form an individual educational program aimed at the formation of professional competence;
- the management of the educational profile of the pedagogical profile ensures that the name and content of the disciplines corresponds to the current development trends;
- the subject of diploma and master's thesis is EP 5B011100 - "Informatics", 6M010900 - "Mathematics" is directly connected with the actual problem of the region.

The Commission recommends:

1. Take measures to ensure conditions for "barrier-free" access and psychological and pedagogical support for students with disabilities and disabled people.
2. For EP 5B070300 - "Information systems", 5B070400- "Computer equipment and software" is recommended to increase the practical training, namely, to include credits for the production practice on the 3rd course and organize the holding.

EEK notes that for the accredited programs 5B011100 - "Informatics", 6M010900 - "Mathematics" according to 6 criteria of this standard, the university has strong positions, 5 satisfactory positions, 1 position needs improvement.

EEK notes that for the accredited programs 5B060200 - "Informatics", 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" according to 5 criteria of this standard, the university has strong positions, 6 satisfactory positions, 1 position requires improvement.

4.4 Standard "Learners"

The university has developed and implemented a policy for the formation of a contingent of trainees from the time of receipt to release and ensures the transparency of its procedures. Admission and admission to the educational program are accompanied by an introductory course containing information about the organization of education and the specifics of the educational program.

The model of the contingent of students forming at the university corresponds to the legislation of the Republic of Kazakhstan and is based on the principle of electivity of higher education institutions and the educational program. To increase the number of applications for admission from university entrants, the university conducts an active professional orientation work with graduates of secondary schools, organizes work with parents and teachers to explain the terms and rules for admission to the university. Meetings with potential applicants are conducted by members of the admissions committee and university professors responsible for career-oriented work at the departments. To popularize accredited programs, the University actively involves students and alumni (open day, meetings, round tables, field concerts and other cultural events).

Vocational guidance work is conducted in accordance with the Program of vocational guidance of WKSU for 2013-2018, approved by the plans of the departments of the university. The centralized management of this work is entrusted to the Center for Pre-University Training. All information on the formation of the student contingent is posted on the website of the university - talapker.wksu.kz.

The Admission Committee involves the involvement of mass media for the repeated explanation of the technology for conducting the Unified National Testing, Comprehensive Testing and the competition for awarding educational grants. On the regional television, announcements and interviews with the university's leadership are systematically passed to explain the rules of the contest, the features of the formation of the student contingent. For the entrants, stands in Kazakh and Russian languages are issued with the necessary information on the admission. These are the standard rules for admission to universities of the Republic of Kazakhstan with applications, information about the state educational order for specialties and universities, statistics (daily) on the progress of applications and the formation of a contest in the field.

Depending on the conditions of training, the contingent is divided into students on a state educational grant and students on a commercial basis. Students of accredited specialties have the opportunity to study at the expense of the organization. For example, a student specialty 5B070300 - Information Systems Kivasheva Zhuldyz is trained at the expense of KPO.

The contingent of students enrolled in the specialties for accreditation is shown in the Tables (2,3,4).

Table 2. Contingent of students for the 2016-2017 academic year

Code and name of the specialty	Kaz	Rus	Grant	Paid	Total
5B011100 – “Informatics”	32	5	28	9	35
5B011100 – “Informatics” (multilanguages)	18	0	15	3	18
5B060200 – “Informatics”	4	1	4	1	5
5B070300 – “Information system”	27	3	1	29	30
5B070400 – “Computer technology and software”	35	0	22	13	35
6M060100 – “Mathematics”	2	2	2	2	4
Total to cluster	118	11	72	57	127

Table 3. Contingent from 2011-2012 academic year. 2015-2016 academic year.

Code and name of the specialty	2011-2012		2012-2013		2013-2014		2014-2015		2015-2016	
	total	gr	total	gr	total	gr	total	rp	total	gr
5B011100 – “Informatics”	-	-	77	73	66	52	66	50	69	46
5B060200 – “Informatics”	-	-	24	18	21	14	20	14	15	9
5B070300 – “Information system”	-	-	47	21	39	11	35	10	38	3

5B070400 – “Computer technology and software”	-	-	21	7	20	17	26	11	35	25
6M060100 – “Mathematics”	-	-	8	6	12	10	8	6	6	4
Total to cluster	-	-	177	125	158	104	159	96	162	97

There is a decrease in the number of students enrolled in accredited EP 5B060200 - "Informatics", 6M060100 - "Mathematics" for the last five years.

Table 4. Information on admission of students for the last 5 years

Code and name of the specialty	2011-2012		2012-2013		2013-2014		2014-2015		2015-2016	
	total	gr	total	gr	total	gr	total	gr	total	gr
5B011100 – “Informatics”	-	-	15	12	7	5	22	17	20	18
5B060200 – “Informatics”	-	-	8	5	7	-	4	3	-	-
5B070300 – “Information system”	-	-	11	3	-	-	9	-	10	-
5B070400 – “Computer technology and software”	-	-	8	2	-	2	6	2	22	20
6M060100 – “Mathematics”	-	-	8	6	4	4	4	2	2	2
Total to cluster	-	-	50	28	18	11	45	4	54	40

All information on the formation of a contingent of students is posted on the university's website.

Assistance to the students is provided through the provision by the advisers of groups in the dean's office of the data on students who have problems with studies, housing. Students who need housing are provided with a hostel. Particular attention is paid to students from among the dormitory. If necessary, they provide psychological support and advice to students.

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The university has a system of measures to assist students with problems. So, for students who have not passed the boundary or final control for a good reason, the dean of the faculty sets individual terms for their passage. Examination session on an individual schedule is allowed in case the dean of the faculty is provided with a certificate confirming the illness, in connection with the birth of the child, with the death of the next of kin.

To eliminate academic debts, the student must re-examine this discipline within the deadlines set by the dean. Students who paid for re-education are allowed to re-study the discipline (summer semester).

The university demonstrated the existence and effectiveness of the mechanism for recognizing the results of academic mobility of students. Also, the university is taking measures to ensure that its actions comply with the Lisbon Recognition Convention. The university cooperates with the Bologna Process Center of the Ministry of Education and Science of the Republic of Kazakhstan in order to ensure comparable recognition of qualifications.

The implementation of accredited educational programs presupposes the external and internal academic mobility of students (Tables 5, 6). So, in the 1st semester of 2014-2015 academic year students of the specialty 5B011100 - Informatics, N.Sholarev, G. Zhiengaliev, S.Sarambetova, and

also in the 2nd semester, the master student of the specialty 6M010900 - Mathematics N.M. Daupaev went for semester studies at the Otto von Guericke University (Poland, Germany). In 2015-2016 academic year, the student of the specialty 5B011100 - Informatics Z. Әлімбет was trained in the Kalmyk State University (Elista, Russia), and students of the specialty 5B070300 - Information Systems J.Kivasheva, D. Izmukhanov were trained in Togliatti State University. In the 2nd semester of 2016-2017 academic year the student of the specialty 5B011100 - Informatics A.Uteuliyeva will continue her education at the Kazakh National Pedagogical University after Abay (Almaty, Kazakhstan). However, in the university there is no Pollack and Adaptation Program for foreign students.

Table 5. Information on external and internal mobility of students of EP 5B070300 - "Information systems"

№	Full name	Form of training	Form of training	Country, city	University of Education
1	Margarita Klimenko	full-time	1 term	Latvia, Riga city	International Baltic Academy
2	Aigerim Mukanova	full-time	1 term	Pavlodar	Pavlodar State University after S.M Toraigyrova
3	Imantayev Ayan	full-time	1 term	Latvia Riga city	International Baltic Academy

Table 6. Information on the external and internal mobility of undergraduates EP 6M060100 - Mathematics

№	Full name	Form of training	Form of training	Country, city	University of Education
1	Бектелеуова Акбота	full-time, magistracy	1 half-year 2013-2014	Czech Republic Prague	Czech Agrotechnical University
2	Даутов Айбек	full-time, magistracy	1 half-year 2013-2014	Latvia Elgava	Latvian University of Agriculture

The university provides graduates with documents confirming the received qualification, including the results of training achieved, as well as the context, content and status of the education received and evidence of its completion. After graduation, graduates of OP 6M010900 - "Mathematics" have the opportunity to continue their education in doctoral PhD in universities of Kazakhstan and in graduate school of Russian universities. Gifted students are recommended for training in magistracy and doctoral studies, they are offered a job at the department. Graduate of the specialty 6M010900 - Mathematics Nurgul Kunyrbaeva was recruited as a teacher of the Department of Physics and Mathematics.

The Commission notes the positive factor of continuing education of students of the 6M010900 EP - "Mathematics".

An important factor in facilitating the employment of graduates and further supporting communication with them is the Career Center website - tylek.wksu.kz.

Graduates are employed both in the public sphere and in the private sphere - business, non-governmental organizations, etc. In general, the indicators of employment are quite high, which confirms the demand for specialists from accredited EPs.

Table 7. Employment of graduates

Code and name of the specialty	2014			2015			2016		
	Total graduates	Employment	%	Total graduates	Employment	%	Total graduates	Employment	%

5B011100 – "Informatics"	22	20	90,1	20	20	100	16	15	93,3
5B060200 – "Informatics"	3	3	100	7	6	85	9	7	77,8
5B070300 – "Information system"	11	9	81,8	11	8	72	10	8	80
5B070400 – "Computer technology and software"	-	-	-	13	10	77	6	6	100
6M060100 – "Mathematics"	8	8	100	4	4	100	4	4	100

Within the framework of the implementation of the educational program, there is a feedback system that provides an on-line presentation of information on the results of the evaluation of students' knowledge. It operates with the help of the information and educational environment of the university, which includes: Portal, AS "Makhambet", Electronic library.

The university demonstrated the existence and effectiveness of a mechanism to support gifted students. So, the student of the specialty 5B011100 - Informatics K. Kabiev took 2nd place, M. Bayzulayev took 3rd place in the competition of research works of students of higher educational institutions of the Republic of Kazakhstan. Students of accredited specialties have the opportunity to study at the expense of the organization. For example, a student specialty 5B070300 - Information Systems Zhuldyz Kivasheva is trained at the expense of KPO.

There is a system of motivation for gifted students who have distinguished themselves in studies and research. They are recommended for obtaining nominal scholarships (after N.Nazarbayev, M.Tolebaev, G.Musrepov, Al-Farabi, M.Tleuzhanova, A.Taimanov, V.V. Ivanov, M.Utemisov, A. Pushkin). In the 2015-2016 academic year, a student specialty 5B011100 - Informatics Kirykbayev Nurbol was a registered scholarship holder of the Fund of the First President of the Republic of Kazakhstan.

The Commission notes the lack of provision of students' representatives with OP 5B011100 - "Informatics", 5B060200 - "Informatics", 5B070400 - "Computers and software" in collegiate management bodies of the EP.

The management of the EP ensures attracting students to research and consulting. So, in the framework of the projects implemented at the department students N. Kyrykbayev and M. Tazhkuranov participate in a joint project with the faculty of "Creation of a website for the organization of research activities of students".

According to the results of scientific research, students became prizewinners of international, republican, regional, regional scientific and practical conferences, competitions and subject Olympiads. So, the prizewinners of the republican Olympiad of 2014 - N. Shkolaev, T. Zhiengaliyev, K. Kabiev; The international Olympiad of 2015 - N. Kyrykbayev, A. Suppygalieva; Competition of research works of students of universities of the Republic of Kazakhstan - K. Kabiev, M. Baizullayev, winner of the gold medal in the nomination "photo art" at the XII Delphi Games-M. Tazhkkuranov and etc.

The following work of students was introduced into the educational programs of specialties: Shapigullin B. "M.Mametova of Bokeyorda district of the West Kazakhstan region"; A.B. Ospanaliyaliyeva "Organization of information support for the management of enterprise systems", etc.

The members of the commission note the insufficient involvement of the students of educational programs 5B060200 - "Informatics", 5B070400 - "Computer equipment and software", 5B070300 - "Information systems" in scientific research work, contractual activity.

The Commission notes the absence of participation of students and undergraduates in international competitions.

According to the results of the questionnaire, the students express complete satisfaction with the level of accessibility and responsiveness of the university's management (85.7%); Availability of academic counseling (83.7%); general quality of curricula (91.8%); The relationship between the student and the teacher (85.7%).

Strengths of educational programs:

- According to OP 5B011100 - "Informatics", 6M010900 - "Mathematics" closely cooperate with other universities, practice bases;
- vocational guidance work with applicants is actively conducted on all accredited vocational schools.

The Commission recommends:

1. Develop and update a comprehensive program of adaptation and support for foreign students.
2. Provide for the possibility of conducting professional certification and ensure its implementation on all accredited educational programs.
3. Strengthen the work on attracting students to OP 5B060200 - Informatics, 5B070300 - "Information Systems", 6M070400 - "Computer Science and Software" to research work.

EEK notes that for the accredited programs 5B011100 - "Informatics", 6M010900 - "Mathematics" according to 6 criteria of this standard, the university has strong positions, 5 satisfactory positions, 1 position needs improvement.

EEK notes that for the accredited programs 5B060200 - "Informatics", 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" according to 6 criteria of this standard, the university has strong positions, 7 satisfactory positions, 3 positions need improvement.

4.5 Standard "Teaching staff and teaching effectiveness"

The teaching and teaching staff is the main resource for the mission of the WKSU after M. Utemisov. In this regard, the university pays sufficient attention to the selection and training of personnel.

Personnel policy is to clearly plan the development of PPP, to stimulate and reward for achievements in work. Types of incentives for PPP and the procedure for their application are determined by the legislation of the Republic of Kazakhstan, by the orders of the rector, by a collective agreement. The selection of personnel is carried out on the basis of the analysis of the needs of educational programs, which results in the announcement of a competition for filling vacancies. For this purpose, a system of recruitment of teachers and work with personnel was developed and approved in accordance with the "Rules for competitive vacancies filling" approved by the Ministry of Education and Science of the Republic of Kazakhstan.

The staff of the EP is staffed in accordance with the legislation of the Republic of Kazakhstan and the "Rules for Competitive Substitution of Scientific and Pedagogical Staff of Higher Education Institutions".

The qualitative and quantitative composition of the teaching staff that implements the OP is presented in Tables 8, 9.

Table 8. Qualitative composition of teaching staff of the departments for 2016-2017

Graduating department	Medium age	Total teaching staff	The Quantity of teaching staff	Teaching staff with academic degrees			
				Quantity of teaching staff with academic degree	Doctor	Candidates	dilapidation %
Informatics	42,9	16	14	6	2	4	50
Physics and mahematics	63	8	8	8	2	6	100

Table 9. Qualitative composition of teaching staff of EP for 2016-2017

Код и наименование специальности	Quantity of teaching staff	Quantity of teaching staff with academic	dilapidation%
5B011100 – "Informatics"	8	4	50
5B060200 – "Informatics"	8	4	50
5B070300 – "Information system"	8	4	50
5B070400 – "Computer Engineering"	8	4	50
6M060100 – "Mathematics"	8	8	100

The management of the OP showed the change in the role of the teacher in connection with the transition to student-centered learning. The university motivates PPPs to constantly apply innovations and IT in the educational process. In 2013-2014 academic year, Ph.D., associate professor Kulzhumiyeva A.A, senior teacher Iskalieva A.U. Have passed a course on a theme «Innovative methods and technologies of training in universities of Germany» in university of a name of Otto von Gerike (Poland, Germany).

Teaching and methodical complexes have been developed in all disciplines of the departments, electronic textbooks and manuals are used in the classroom: "Teaching multimedia program in Informatics" (KzInfor 5.5, ASU after Abay), electronic textbook on Macromedia Flash (author Mukhambetova G.F.), electronic educational Manual "Informatics" (Kumarsheva D.N, Amanturlina G.K), etc.

Teachers of the department issued the following textbooks and manuals Medeshova AB, Tlekkabylova D.Zh., Akimova S.M. "Java programming tutorial" in 2016, Medeshova A.B, Goriaev V.M, Mukhambetova G.G, Jahanaeva E.N "Pascal tilinde esepeter shykaru әdistemi" in Kazakh and Russian in 2016, Medeshova A.B, Mukhambetova G.G. Textbook "Programming" under the stamp RUMS, issued by the publishing house "Foliant".

Have passed training on courses of improvement of professional skill «Intensive training to English language of teachers» in KarSU after Academician E.A. Buketov eight teachers of the department. The senior lecturer of faculty «Physics and mathematics» Medeshova A.B is the holder of the state grant "The best teacher of the university" for 2015.

The owner of the international scholarship "Bolashak" Mukaev K.T. Master 6M070300 - Information systems of Nanyang Technical University (Singapore). And JSC "Center for International Programs" (Order No. 15-1 / 286 of 10/01/2017), since January 2017 he has been working as a teacher of the Informatics Department at the M. Utemisov WKSU.

The EP management monitors teaching staff activities, systematically assesses the competence of teachers, assesses the overall quality of teaching, including assessing the satisfaction of teachers and students.

Further training is carried out according to the plan approved by the management of the university. Annually teachers pass various courses of qualification improvement for teaching staff (Table 10). Guide WKSU after M. Utemisov finances the upgrading of the qualifications of the teaching staff in whole or in part.

Table 10. EP Training

Graduating departments	2012-2013	2013-2014	2014-2015	2015-2016

	Total of teaching staff	Training teaching staff	% percent	Total of teaching staff	Training teaching staff	% percent	Total of teaching staff	Training teaching staff	% percent	Total of teaching staff	Training teaching staff	% percent
Informatics	-	-	-	17	2	12	10	8	80	10	1	10
Physics and mathematics	8	2	25	8	3	38	8	3	38	8	4	50
TOTAL	8	2	25	8	5	50	18	11	118	18	5	60

Teachers of the department also take part in the competition of innovative projects of the university every year, where they take prizes. This participation allows introducing new innovative methods in the educational process and demonstrating the effectiveness of their use. For example, in 2016 took part: Medeshova A.B, Muratova Zh.M. and Iksebaeva Zh.S. With the project "Application of the educational environment of Intel Education Galaxy in the study of computer science". Pugacheva I.N. Has developed the project "Efficiency of using Web-Quest technology in the educational process". These projects were successfully introduced into the educational process.

However, the management of the OP did not fully demonstrate the IT competence of the teaching staff, the conditions for motivating teaching staffs to apply innovative methods and forms of training, information and communication technologies in the educational process.

The workload of the teaching staff includes teaching, leaning methodological, scientific, organizational and methodological work, and increasing professional competence. The maximum training load of the teaching staff does not exceed 700 hours per academic year. The members of the commission were convinced that the distribution of the teaching load of the teaching staff and the schedule of training sessions correspond to the requirements of the credit technology of instruction.

Teachers of the department annually take part in various conferences of international and republican significance, so in 2014 in the republican scientific-practical conference "VI Makhambetov Readings" the articles of four teachers of the department were published. Over ten teachers are published in publications recommended by the Committee for Control in Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan: Mukhambetova G.G. "Macromedia Flash бағдарламасын қолданып құзыреттілік оқыту" № 1, 2014, Medeshova A.B. "Мектеп ЖОО сабақтастығы негізінде тұлға құзыреттілігін қалыптастыру" №1, 2014г Amanturlina G.K. "Жоғары оқу орындарында модульдік оқыту технологиясын енгізу" №2, 2015; and others. In the collections of international conferences, articles by A. B. Medeshova have been published. "About one property of infinite dihedral groups", 3rd International scientific conference. Theoretical and Applied Sciences in the USA, April 11, 2015; Muratova Zh.M. "Peculiarities of the application of the Monte Carlo method" International scientific-practical conference, 22-30 Nauryz, 2015 Prague.

In the journal with the impact factor, such articles as "Development of Training Skills in Students as the Precondition for Educational Competencies" were published by Medesheva A. B, Amanturlina G.K, Sumyanova E.; "Luminescent and scintillation properties of the Pr³⁺ doped single crystalline films of Lu₃Al₅GaO₁₂ garnet" // Radiation Measurements Fabisyak K., Zhusupkalieva G.K.

The results of scientific work of teachers are published in the form of monographs, collections of scientific papers and proceedings of conferences, articles, theses in various scientific

publications. During the reporting period, the teachers published: 2 monographs, 16 educational, teaching aids, published 100 articles in scientific journals, published 160 scientific articles in the materials of international and republican conferences.

The university demonstrated the availability of information on the PPP to the public, including teaching staff catalogs, posting of questionnaires on the university's website.

However, the commission notes that there is information about the faculty members of the departments, but information about the qualifications of each teacher in the form of a portfolio, all the necessary information about qualifications, including copies of diplomas of education, certificates of professional development, etc. are absent.

The university has an extra-budgetary extra charge for the salaries of teachers and employees. When calculating this allowance, the entire range of activities of the teacher and employee is taken into account, which is a sufficiently serious factor in motivating active labor activity. The management of the EP monitors the satisfaction of the teaching staff.

An important factor is the development of academic mobility of teachers, attracting the best foreign and domestic teachers, conducting joint research. Unfortunately, only the master of Muratova Zh.M. Delivered a course of lectures on the discipline "Fundamentals of Information Systems Protection" in the volume of 72 hours at the Kalmyk State University (Elista, Russia).

The results of the questionnaire showed that the teaching staff express full satisfaction with the level of accessibility of the university's management (100%); promotion of innovation (96.7%).

Members of the EEC note the insufficient level of joint research with foreign partners in the implementation of the EP and the weak involvement of well-known scientists, public and political figures in the implementation of the EP.

Strengths of educational programs:

- The university has an objective and transparent personnel policy, which includes hiring, professional growth and development of personnel, ensuring the professional competence of the whole state;
- The management of the OP ensures the completeness and adequacy of individual planning of the work of the teaching staff for all activities, monitoring the effectiveness and effectiveness of individual plans.

The Commission recommends:

1. Develop a comprehensive program to improve the academic mobility of the teaching staff, attract foreign and domestic teachers to conduct classes and joint scientific research.
2. To ensure the purposeful work on the publication of scientific articles in the leading rating journals.
3. To intensify the work on the increase of specialists of the appropriate qualification for EP 5B060200 - Informatics, 5B070300 - "Information systems", 5B070400 - "Computer equipment and software".

EEK notes that for the accredited programs 5B011100 - "Informatics", 6M010900 - "Mathematics" according to 4 criteria of this standard, the university has strong positions, 11 satisfactory positions, 3 positions need improvement.

EEK notes that for the accredited programs 5B060200 - "Informatics", 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" according to 3 criteria of this standard, the university has strong positions, 10 satisfactory positions, 5 positions need improvement.

4.6 Standard "Educational resources and student support systems"

The university created comfortable conditions, there is a developed infrastructure, used to implement the EP. The University has its own WEB-portal (<http://wksu.kz/>) in the Internet, which

provides access to the unified information and educational environment of the university, which includes both internal and external electronic resources: intranet-site <http://inside.wksu.kz/>; Electronic resources of the library <http://library.wksu.kz/>; AIS "Makhambet" <http://e-portal.wksu.kz/>; AIS "Platon" <http://platon.wksu.kz/>; Sites of faculties, etc.

Annually more than 300 names of domestic, foreign newspapers and magazines are received for each profile of preparation. Students and teachers can use the periodicals of the electronic database PQOT, RFBR (Russian Foundation for Basic Research) www.rfbr.ru, NAB RK (National Academic Library of the RK) www.kazneb.kz, Unified electronic library elibrary.kz, International Science and Innovation Center [Http://snauka.ru/](http://snauka.ru/), Electronic magazines on the sites bravica.ru, journal.knigka.info, jurnal-portal.ru, letitbook.ru and others.

Annually, the teaching staff of the Department of Informatics is published in the following journals and periodicals: Bulletin of WKSU, School of Excellence, Makhambetov Readings, Taimanov Readings, ENU Bulletin, International Journal of Environmental & Science Education. etc.

For users of the WKSU, the site has opened an online access to foreign full-text multidisciplinary databases: "Web of knowledge", "Journal Citation Reports", "EndNote Web", "Web of Science and Researcher ID", "Elsevier", and since 2015 year to the databases of Academic Search Complete and Business Source Complete, EBSCO, Taylor & Francis, and others.

The educational literature fund (Tabditsa 11,12,13,14) is a collection of domestic and foreign publications on all cycles of disciplines studied at the university, educational and methodological guidelines.

Table 11. Total book stock

№	Index	Academic year/exams		
		2013-2014	2014-2015	2015-2016
1	Total book stock	1 055 742	1 063 916	1 069 393
2	including in Kazakh	396541	399630	403577
3	including in English	10181	10699	10950

Table 12. Provide academic, educational-methodical and scientific literature per one student in the mentioned contingent below for 2016-2017

The name of the speciality	Provided contingent		Educational literature		Scientific literature		Education al-methodical and other literature		Library resources, total		Provision of ED+SL per one student		
	Kaz	Rus	Kaz	Rus	Kaz	Rus	Kaz	Rus	Kaz	Rus	Kaz	Rus	total
5B011100 – "Informatics"	32	5	6325	878	1003	215	112	56	54	45	140	156	296
5B060200 – "Informatics"	4	1	573	309	457	154	95	54	69	63	257	463	720
5B070300 – "Information system"	27	3	3380	714	581	349	66	49	68	61	141	354	495
5B070400 – "Computer engineering"	35		4965	442	910	216	85	40	69	63	167	698	865

Table 13. Provide academic, educational-methodical and scientific literature per one student in the mentioned contingent below for 2016-2017 in the Multilanguage groups

The name of the speciality	Provided contingent in	Education al	Scientific literature	Education al-	Library resources,	Provision of ED+SL per one
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	the multilanguage groups	literature		methodi cal and other literature	total	student
	in Eng	in Eng	in Eng	in Eng	in Eng	in Eng
5B011100 – "Informatics"	17	16	14	10	4	2

Table 14. Provision of educational literature in the context of individual specialties of EP magistracy for 2016-2017

EP	quantity Kaz/Rus/	Kaz (unit)	Rus (unit)	Eng (unit)
6M060100 - "Mathematics"	2/2	8911	6882	-

The Fund for Scientific Literature is represented by the works of the scientists of WKSU after M. Utemisov and other universities: monographs, collections of scientific and scientific-practical conferences. A large number of reference literature: encyclopedias, sectoral encyclopaedic reference books and dictionaries.

Providing the educational process with textbooks, EMCD, teaching aids, educational and methodical recommendations, is also carried out through the publishing house of the university. Nevertheless, there is a shortage of necessary textbooks and modern professional literature in Kazakh and English.

However, the experts could not find the disciplines of accredited EP used in automation of the management of the educational process at the University of AIS "PLATONUS".

In the university there is a "Regulation on the provision of social assistance to students of a university", which specifies the conditions for preferential settlement in dormitories and students' homes for students of dormitory, students who do not have both parents, and disabled students from the same family.

Strengths of educational programs:

- a sufficient number of computer classes, reading rooms, language laboratories, accessibility of teaching aids for students;
- availability of electronic versions of published journals, personal pages of the teaching staff;
- The university creates sufficient conditions for the development and use of ICT for teaching staff and students;

The Commission recommends:

1. On a systematic basis, continue equipping the material and technical base with modern equipment adequate to the content of educational programs.
2. Ensure the periodicity of the analysis of the effectiveness of the use of modern equipment in the educational process of accredited EPs;
3. Take concrete measures to fully ensure the educational process with educational and methodological literature in the state and English languages, electronic textbooks, through the own development of the teaching staff of the university, including in co-authorship with scientists from domestic and foreign universities.

EEK notes that for the accredited programs 5B011100 - "Informatics", 6M010900 - "Mathematics" according to 5 criteria of this standard, the university has strong positions, 13 satisfactory positions, 1 position needs improvement.

EEK notes that for the accredited programs 5B060200 - "Informatics", 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" according to 4 criteria

of this standard, the university has strong positions, 14 satisfactory positions, 1 position requires improvement.

4.7 Standard "Information management and reporting"

There is a system of information collection, analysis and management in the university based on the use of modern information and communication technologies and software, such as information management within the official site of the university, various forms of reporting, media information analysis, etc.

Information management system library of WKSU M. Utemisov, including the library site, electronic library, electronic catalogs, provides access to the library resources: KAZNEB (Kazakhstan National Electronic Library Electronic State National Fund), RMEB (Republican Inter-College Electronic Library of Kazakhstan), Polpred database, electronic resources database of THOMSON companies REUTERS, Springerlink.

The security of information is ensured by: unambiguous distribution of roles and functions in the used IP; presence of antivirus programs; system administration of servers.

The system for collecting, analyzing and managing information by the university is used to ensure the quality of the implementation of the OP. For example, the formation of summary examination sheets, a list of debtors, an electronic archive of session reports are used to analyze the results of sessions and make decisions about improving the learning process. The results of questioning of interested parties are processed centrally provided to the departments in the form of analytical documentation for the subsequent development of corrective actions. *At the same time, there is no centralized collection and storage of information about the career growth of graduates of the university.*

The information and feedback system is aimed at students and employees, and includes: the functioning of the official website of the university in three languages; questioning of employers about the quality of graduates' preparation, questioning of students about the quality of educational programs implementation, questioning of staff and staff about satisfaction with working conditions; maintaining a blog of the rector on the site of the university; publication of the newspaper "Өркен", scientific and methodical publications and articles in the central and local press.

Experts note the need for timely updating of information on the site, a unified approach to the deployment of information (for example, the portfolio of teaching staff) and the development of the site provision.

The documentary consent of teaching staff employees and students to the processing of personal data is defined in employment contracts. Students and teaching staff, employers are involved in the processes of collecting and analyzing information through questionnaires, interviewing, and making decisions on their basis during meetings of the departments, the faculty council, the EMC faculty, the EMC of the university and the University Academic Council.

The Commission recommends that the management of the EP provide for the possibility of analyzing information in order to identify and forecast risks.

Strengths of educational programs:

- support of educational programs with a complex of information and communication technologies (site, electronic library management system, Makhambet AIS);
- effective preservation of information.

The Commission recommends:

Systematize the work on the analysis of information in order to identify and predict the risks of implementation and development of educational programs.

EEK notes that for the accredited programs 5B011100 - "Informatics", 6M010900 - "Mathematics" according to 8 criteria of this standard, the university has strong positions, 5 satisfactory positions, 1 position needs improvement.

EEK notes that for the accredited programs 5B060200 - "Informatics", 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" according to 8 criteria of this standard, the university has strong positions, 5 satisfactory positions, 1 position requires improvement.

4.8 Standard "Informing the public"

Information about the WKSU M. Utemisov and the implementation of the EP is published on the university's website, the intra-university newspaper "Өркен", local and national media, and social networks.

The official page of the university is present in the social network "My World", the YouTube site and is supported by the administration of the university. Students WKSU after M. Utemisov created and supported groups in the social networks Vkontakte and Facebook.

The site of the university has enough information about bachelor and master's programs in the form of "Information Packages". *At the same time, commission members note the need to post information about the specifics of master's programs, including the qualifications awarded, the educational process, teaching, assessment, transfer points, training opportunities and job opportunities.*

On the site of the university there is a brief information about the teaching staff of the educational programs on the pages of the departments that produce them. *This information has different methods of presentation and requires a unified approach, as well as the inclusion of e-mail addresses in the teaching staff.*

Feedback on the site is implemented in the form of the functioning of the rector's blog .. The domestic and foreign partners of the university are listed, information about international and Kazakhstan projects. According to the results of questioning, 73% of students are satisfied with the usefulness of the website.

As already mentioned, *experts note the need for a more structured approach to the formation of the site, timely updating of information, a unified approach to the placement of information (for example, the portfolio of teaching staffs).*

Strengths of educational programs:

- a variety of ways to disseminate information (site, media, social networks, YouTube);
- informing the public about interaction with scientific and consulting organizations;

The Commission recommends:

- Provide a more structured approach to the formation of the site, the placement of the PPP catalog, information about the e-mail addresses of the staff and PPP, the specifics of the master's programs and the timely updating of information on the site.

- To expand the range of AIS Platonus opportunities, adding to the pages: accessibility of information about the visit of parents to higher education institutions, UMC disciplines and remote access of interested persons, etc.

EEK notes that for the accredited programs 5B011100 - "Informatics", 6M010900 - "Mathematics" according to 7 criteria of this standard, the university has strong positions, 1 satisfactory position.

EEK notes that for the accredited programs 5B060200 - "Informatics", 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" according to 7 criteria of this standard, the university has strong positions, 1 satisfactory position.

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

In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as the acquisition of professional skills for students, undergraduates in the fields of Informatics, IT and IP, the following activities are carried out:

- leading lecturers working in the field of information technology are invited to lecture. So, in 2015 for students of accredited specialties lectures were organized with participation of the director of "Batys IT" LLP Zhiengalieva A. in such disciplines as "Computer architecture", "Computer networks".

- work on the tripartite agreement "Modernization of the school's education by means of the relationship "High School-GorO-SC", within the framework of which various contests are held (Best Student-Practitioner), training workshops, etc.

- introduced the elements of dual training, so in the 2014-2015 academic year, students 2 Course specialty 5B011100 "Informatics" was given the opportunity to attend theoretical and practical classes in the school № 38.

- from 2014, Professor Lee Jong Hyun, from the University of Sangkonghoe (Seoul, South Korea), conducts classes for students of 3 and 4 courses of specialties 5B011100 - Informatics and 5B070300 - Information Systems.

The structure of EP 5B011100 - "Informatics", 5B060200 - "Informatics", 5B070300 - "Information systems", 5B070400 - "Computer equipment and software", 6M010900 - "Mathematics" includes disciplines related to mathematics and physics. For example, in the process of studying the discipline "Physics" students acquire skills and knowledge that help to successfully study such disciplines as "Physics", "Circuitry" for EP 5B070300 - "Information Systems".

Preference is given to practice-oriented disciplines, for example, specialty 5B011100-Computer science introduced the subject "Design of mobile robots", specialty 5B060200-Computer science - subject "Designing of robots", specialty 5B070400-Computers and software - subject "Design of technical models".

Students of specialties 5B060200-Informatics and 5B070300-Information systems study the disciplines "Languages and technologies of programming", "Algorithms and data structures" will be able to apply their knowledge when working in various organizations and industries, for example, when developing projects or applications.

However, experts note the insufficient number of disciplines aimed at studying modern programming languages and the skills of imitating modeling (for studying complex technical systems, their behavior and management), etc., according to EP 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" and etc.

Modern computer technologies, electronic textbooks, training programs, multimedia technologies have been introduced. In the classroom we use such electronic textbooks and manuals as the "Teaching multimedia program in Informatics" (KzInfor 5.5, ASU after Abay), the electronic textbook "Informatics" (Dormacheva D.N, Amanturlina G.K).

Also, the teacher of the Department of Informatics Muratova Zh.M. Was trained in Nazarbayev Intellectual School for the Cambridge program, which resulted in the introduction of a new discipline "New Approaches in Teaching and Learning" for undergraduate students.

The quality of the basic facilities for practicing corresponds to the requirements, contracts have been concluded with the schools, colleges of the city and the region. So, on the specialty 5B011100-Computer science 258 contracts were concluded, 5B060200-Informatics - 9, 5B070300-Information systems - 14, 5B070400-Computers and software - 18. Professional practice for the specialty 5B011100-Informatics is organized on the bases of practice, among which are such schools as Nos. 1, 7, 11, 21, 23, 38, etc. Industrial practice for specialties 5B060200-Informatics, 5B070300-Information Systems, 5B070400-Computing Equipment and software is organized at the following enterprises of the city and region: "IT Group" LLP, "Batys IT", LLP West Kazakhstan regional educational and methodological center of informatization of education quality assessment, etc.

Strengths of educational programs:

- preparation of students of pedagogical profile in accordance with OP 5B011100 - "Informatics", 6M010900 - "Mathematics" is implemented with the use of modern innovative and information technologies;
- According to OP 5B011100 - "Informatics", 6M010900 - "Mathematics" is established practical training of students, communication with educational institutions, specialists are involved.

The Commission recommends:

1. Under EP 5B060200 - Informatics, 5B070300 - "Information systems", 6M070400 - "Computer equipment and software" to strengthen work on the development of special disciplines and seminars to solve practical problems at enterprises.
2. According to EP 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" to attract practitioners who have experience working in enterprises in the field of IT.

EEK notes that for the accredited programs 5B011100 - "Informatics", 6M010900 - "Mathematics" according to 4 criteria of this standard, the university has strong positions, 2 satisfactory positions.

EEK notes that for the accredited programs 5B060200 - "Informatics", 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" according to 4 criteria of this standard, the university has satisfactory positions, 1 position needs improvement.



5. RECOMMENDATIONS TO EDUCATIONAL PROGRAMS

**5B011100 – “Informatics”, 5B060200 – “Informatics”,
5B070300 – “Information system”, 5B070400 – “Computer technology and software”,
6M010900 – “Mathematics”**

1. To determine the mechanism for the formation, approval, revision and monitoring of educational programs development plans and to ensure more active involvement and regular information of interested persons.

2. To align the goals and objectives of the accredited educational programs: 5B060200 - "Informatics", 5B070300 - "Information Systems", 5B070400 - "Computer Science and Software" mission and strategy of the university.

3. To improve the quality of self-examination in all areas of educational programs and identify risks with the subsequent definition of a set of measures to reduce them.

4. For EP 5B070400- "Computer equipment and software" it is recommended to introduce elective courses aimed at the formation of professional competence in the field of programming.

5. To revise the trajectories for EP 5B060200 - "Informatics", 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" taking into account the specificity and direction of the profiles.

6. To provide for the possibility of harmonization of OP 5B060200 - "Informatics", 5B070300 - "Information systems", 6M070400 - "Computer equipment and software" with similar EPs of leading foreign and Kazakhstan universities.

7. To take measures for the opening of a master's degree according to EP 5B011100 - "Informatics".

8. Take measures to ensure conditions for "barrier-free" access and psychological and pedagogical support for students with disabilities and disabled people.

9. For EP 5B070300 - "Information systems", 5B070400- "Computer equipment and software" is recommended to increase the practical training, namely, to include credits for the production practice on the 3rd course and organize the holding.

10. Develop and update a comprehensive program of adaptation and support for foreign students.

11. Provide for the possibility of conducting professional certification and ensure its implementation on all accredited educational programs.

12. Strengthen the work on attracting students to EP 5B060200 - Informatics, 5B070300 - "Information Systems”

13. Develop a comprehensive program to improve the academic mobility of the teaching staff, attract foreign and domestic teachers to conduct classes and joint research.

14. Ensure a purposeful work on the publication of scientific articles of teaching staff in the leading rating magazines.

15. To intensify the work on the increase of specialists of the appropriate qualification for EP 5B060200 - Informatics, 5B070300 - "Information systems", 5B070400 - "Computer equipment and software"

16. On a systematic basis, continue equipping the material and technical base with modern equipment adequate to the content of educational programs.

17. Ensure the periodicity of the analysis of the effectiveness of the use of modern equipment in the educational process of accredited EPs

18. Take concrete measures to fully ensure the educational process with educational and methodological literature in the state and English languages, electronic textbooks, through the own development of the faculty of the University, including in co-authorship with scientists from domestic and foreign universities.

19. Systematize the work on the analysis of information in order to identify and predict the risks of implementation and development of educational programs.

20. Provide a more structured approach to the formation of the site, the placement of the teaching staff catalog, information about the e-mail addresses of the teaching staff and staff, the specifics of the master's programs and the timely updating of information on the site.

21. Expand the range of AIS Platonus opportunities, adding to the pages: accessibility of information about visits by parents to students of higher education institutions, EMCD disciplines and remote access of interested persons, etc.

22. According to EP 5B060200 - Informatics, 5B070300 - "Information systems", 6M070400 - "Computer equipment and software" to strengthen work on the development of special disciplines and seminars to solve practical problems at enterprises.

23. According to EP 5B070300 - "Information systems", 5B070400 - "Computer equipment and software" to attract practitioners with experience working at enterprises in the field of IT.

Parameters of specialized profile (5B011100 – Informatics, 6M010900 – Mathematics)

No	No	Criteria for evaluation	The position of the organization of education			
			Strong	Satisfactory	Suggestions of improvement	Unsatisfactory
Standard "Management of educational program"				+		
1	1	The institution must have a published policy of quality assurance.		+		
2	2	Quality assurance policies need to reflect the relationship between researching, teaching and learning.		+		
3	3	The institution must demonstrate the development of a culture of quality assurance.		+		
4	4	Quality assurance policies shall also apply to any work performed and contractors and partners (outsourcing).		+		
5	5	The institution demonstrates the development of the plan development of EP (Educated Program) based on the analysis of its functioning, the actual positioning of the University and focus its activities to meet the needs of the state, employers, stakeholders and learners.		+		
6	6	The institution determines the mechanisms of formation and regular revision of the development plan of the educational program and monitoring its implementation, and evaluate achievement of training objectives, meet the needs of students, employers and society, decision-making aimed at continuous improvement of educational programs		+		
7	7	The institution demonstrates transparency of processes of formation of the development plan of EP. The institution provides awareness among stakeholders about the content of the development plan of EP and the process of its formation.	+			
8	8	The institution must involve representatives of stakeholder groups, including employers, students and faculty to the formation of the development plan of EP.		+		
9	9	The institution must demonstrate the individuality and uniqueness of the development plan of EP, its consistency with national development priorities and development strategy of the organization of education.		+		
10	10	The institution must ensure that the development plan of EP and available resources (including financial, information, personnel, material-technical base).		+		
11	11	In the organization of education must be documented all major business processes guiding the implementation of EP.	+			

12	12	The institution must demonstrate a clear definition responsible for business processes, clear allocation of duties of staff, separation of functions of the collegiate bodies involved in the implementation of the EP.	+			
13	13	The institution systematically examines the implementation of educational programs and conducts self-examination in all directions to assess the success of strategy implementation of educational program development through indicators such as "effectiveness" and "efficiency".		+		
14	14	Manual EP must provide evidence of transparency of the system of management of the educational program.		+		
15	15	Manual EP must demonstrate successful operation of internal quality assurance system of the EP, including its design, management and monitoring, improvement, making decisions based on facts.		+		
		The control EP must include:				
16	16	management processes;	+			
17	17	planning, development and continuous improvement;	+			
18	18	risk assessment and identifying ways to reduce these risks;		+		
19	19	monitoring, including the establishment of reporting processes, allowing to determine the dynamics in the activity and implementation plans;		+		
20	20	the analysis identified gaps, designed and implemented corrective and preventive actions;		+		
21	21	analysis of the effectiveness of the changes;		+		
22	22	the evaluation of the effectiveness and efficiency of the units and their interaction		+		
23	23	interaction with employers.		+		
24	24	The institution must ensure the participation of stakeholder representatives (employers, faculty, students) as part of the collegial bodies of management of the educational program, and their representativeness when making decisions on the management of the educational program.		+		
25	25	Manual EP will measure the degree of satisfaction of needs of faculty, staff and students and to demonstrate evidence of deficiencies detected in the framework of the measurement process.		+		

26	26	Manual EP must demonstrate evidence of openness and accessibility for students, faculty, employers (the official reception hours on personal questions, e-mail communication, etc.).	+			
27	27	The institution must demonstrate the availability of a communication channel by which any interested person may make innovative suggestions for improvement of the EP management. The institution must demonstrate examples of analysis of these proposals and their implementation.	+			
Total for standard			7	20		
Standard "Development and approval of educational programs"						
28	1	The institution must define and document procedures for the development and evaluation of the quality of the educational program, establish the frequency, form and methods of quality assessment of educational programs.		+		
29	2	The institution must establish a procedure for periodic reviewing and monitoring of educational programs.		+		
30	3	The institution must determine the requirements for educational programs based on the specifics, level of education, and also the used technologies, including remote.		+		
31	4	The institution must demonstrate the presence of the developed models of graduate education programs include knowledge, skills and professional competence.	+			
32	5	The institution must demonstrate participation Teaching staff, participation of employers and learners in the development of educational programs, ensuring their quality, to provide evidence that employers are typical representative of employers.		+		
33	6	The institution must provide the external expertise of educational programs and approved by collegial bodies.		+		
34	7	Manual EP must clearly define the goals of EP.		+		
		Manual EP must demonstrate the logic of compilation curricula and training programs, in particular the reasons for the inclusion of a particular discipline's one or another		+		

35	8	way in a list of the curriculum, reasons for assigning the status of post- or prerequisite.				
36	9	Manual EP must ensure compliance the names and content of the disciplines the actual directions of development studying area of science/society, etc.		+		
37	10	The institution must decide the content, volume, the logic of construction of individual educational trajectories of students.		+		
38	11	EP manual must demonstrate the continuity of the educational programme content at different levels, including the logic of the relationship of academic disciplines, consistency and continuity			+	
39	12	EP manual must provide an annual review of the contents of curricula and training programs to reflect changes in the market, the demands of employers, learners and teachers	+			
40	13	EP manual must demonstrate disciplines on the formation of students' professional competence.		+		
41	14	The complexity of EP must be clearly defined in the Kazakhstan credits and ECTS.	+			
42	15	In the structure of the educational program should provide different types of activities, the content of which should facilitate the formation of professional competence of students.	+			
43	16	The institution must demonstrate the effectiveness of the organization and conduct of professional practice.		+		
44	17	The institution must demonstrate compliance of academic disciplines and intended learning outcomes. The list and content of subjects to be available for students.	+			
45	18	An important factor is the harmonization of the content of educational programs of similar educational programs of the leading foreign and Kazakhstani educational organizations.		+		
46	19	An important factor is the presence of joint educational programs with foreign educational organizations.			+	
47	20	An important factor is the cooperation and exchange of			+	

		experience with other organizations of education, implementing such educational programs.				
48	21	Manual EP must provide research elements in the content of the EP.		+		
Total for standard			5	13	3	
Standard "student-centred learning, teaching and performance assessment"						
49	1	EP must provide equal opportunities to students, including regardless of language of instruction on the formation of individual educational program aimed at formation of professional competence.	+			
50	2	Manual EP must ensure the harmonious development of students, including intellectual development and individual characteristics.	+			
51	3	Manual EP must ensure the implementation and effectiveness of active and innovative teaching methods.		+		
52	4	Manual EP must provide their own developments in the field of methodology of teaching disciplines.		+		
53	5	Manual EP must demonstrate decision making based on the feedback from the students and assess their satisfaction.		+		
54	6	In the implementation of the educational program shall be monitored independent work of the student and established mechanisms for an adequate assessment of its results.		+		
55	7	Manual EP must monitor the satisfaction of students passing professional practices.	+			
56	8	Manual EP must demonstrate decision making based on the feedback from the students and assess their satisfaction.		+		
57	9	Manual EP must prove the existence of a system of monitoring the progress of the student at the educational trajectories and achievements of students.	+			
58	10	Manual EP must ensure the availability and efficiency of the mechanism of objective assessment of learning outcomes, peer appeal mechanism, transparency of	+			

		criteria and evaluation tools.				
59	11	Manual EP must ensure that assessment procedures level of knowledge of students planned learning outcomes and objectives of the programme according to established criteria and estimation methods.	+			
60	12	Manual EP must provide the conditions for inclusive education.			+	
Total for standard			6	5	1	
Standard "Students"						
61	1	Manual EP must demonstrate the policy of forming the contingent of OP from admission to release, and to ensure the transparency of its procedures. Procedures for life cycle students must be approved and published.	+			
62	2	Admission and enrollment in an education program must be accompanied by a comprehensive introduction containing information about the organization of education and the specifics of the educational program.	+			
63	3	Manual EP must provide for a special program adaptation and support for foreign students.		+		
64	4	Manual EP must demonstrate the conformity of the actions of the Lisbon Convention on the recognition	+			
65	5	The institution must cooperate with other educational organizations and national centers the "European network of national information centers on academic recognition and mobility. National academic Recognition Information Centers" with the aim of achieving comparable recognition of qualifications.	+			
66	6	Manual of the educational program must demonstrate the availability and efficiency of the mechanism for the recognition of the results of academic mobility of students, as well as the results of additional formal and informal training.	+			
67	7	Manual EP must demonstrate the effectiveness of the monitoring of academic achievements of students.		+		

68	8	Manual EP must demonstrate awareness of the major roles (professional, social) of students based on learning outcomes.		+		
69	9	Manual EP must promote professional certification of students.			+	
70	10	Manual EP must attract students to research work and consulting.			+	
71	11	The institution and manual EP must provide the opportunity for internal and external mobility of students and to assist them in obtaining external grants for training.		+		
72	2	The institution must provide graduates with the documents confirming obtained qualifications, including achieved learning outcomes and the context, content and status of education and evidence of its completion.	+			
73	3	Manual EP must provide measures on employment of graduates, systematic monitoring of employment of graduates, developing their career and enhancing the effectiveness of alumni associations.		+		
74	4	Manual EP must provide the opportunity for students to exchange and expression – for example, through the Internet forum of student organizations.			+	
75	5	Manual EP must demonstrate the functioning of the feedback system of support for students, which includes online reporting of the results of the assessment of students' knowledge.		+		
76	6	Manual EP must demonstrate the availability and effectiveness of support for gifted students.		+		
Total for standard			6	7	3	
Standard "Faculty"						
77	1	The institution must have fair and transparent personnel policy, including hiring, professional growth and development of staff to ensure professional competence of all staff.	+			

78	2	Manual EP must demonstrate compliance personnel potential of Teaching Staff development strategy of the institution, qualification requirements, level and specifics of the educational program and selection of personnel based on the system of recruiting.		+		
79	3	Manual EP must demonstrate a sense of responsibility for their employees and providing them with favorable working conditions.		+		
80	4	Manual EP must demonstrate the changing role of the teacher in connection with the transition to student-centred learning.		+		
81	5	The institution must demonstrate the availability to the public of information about Teaching Staff, including Teaching Staff directory, placement of ads on the website of the institution.		+		
82	6	Manual EP must monitor of activities Teaching Staff, 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	Manual EP must ensure the completeness and adequacy of individual work planning Teaching Staff for all types of activities, monitoring the impact and effectiveness of individual plans, to demonstrate evidence of completion teachers of all types of planned load.		+		
84	8	Manual EP must demonstrate support of research activities Teaching Staff, ensuring communication between research and training.				+
85	9	Manual EP must demonstrate the existence of a system of improvement of qualification, professional and personal development and administrative staff, as well as compliance with the qualification, professional and personal Teaching Staff development strategy.		+		
86	10	Manual EP must involve experts with experience in the relevant field, as well as famous scientists, public and political figures.				+
87		Manual EP must provide targeted actions for professional				

	11	development of young teachers.		+		
88	12	Manual EP must provide a stimulating professional and personal development of faculty and staff.		+		
89	13	Manual EP must ensure the monitoring of satisfaction Teaching Staff.	+	+		
90	14	Manual EP must demonstrate involvement Teaching staff in practical activities in the field of specialization on an ongoing basis.		+		
91	15	Manual EP must demonstrate it-competence of Teaching Staff, the conditions of motivation of Teaching Staff members to use innovative methods and forms of education, information and communication technologies in the educational process.		+		
92	16	An important factor is development of academic mobility of teachers, attracting the best foreign and domestic teachers, conduct joint research.			+	
93	17	An important factor is the participation of Teaching Staff in society (the role of Teaching Staff in education, in science, in the region, creating cultural environment, participation in exhibitions, creative competitions, charity programs, etc.).	+	+		
94	18	Manual EP demonstrates compliance with the priorities of consulting, research, implemented by the Teaching Staff EP, actual problems of economy, and development priorities of the state national policy in the sphere of education, science and innovative development.	+	+		
Total for standard			4	11	3	
Standard "Educational resources and student support system"						
95	1	The institution must demonstrate the adequacy of material, financial and human resources.		+		
96	2	The institution must demonstrate the effectiveness of support services for students and the availability of support procedures.	+	+		

97	3	The institution must need to identify the support needs of different groups and categories of students.		+		
98	4	The institution must ensure the availability and effective performance-oriented students, employees and stakeholders of the system of information and feedback.		+		
99	5	The institution must demonstrate the effectiveness of regular analysis of the adequacy of resources and systems of support for students, including competence of the personnel involved.		+		
		A learning environment should be created in the university, reflecting the specifics of the educational programs that includes:				
100	6	technological support for students and Teaching Staff in accordance with the programs (e.g., online learning, simulations, database, data Explorer);		+		
101	7	personalized online resources (and access outside of class time), including study materials and assignments, making it possible to trial the self-assessment of students' knowledge through a remote access portal (website) of the University;		+		
102	8	interactive academic counseling to assist students in planning and developing educational programs, including through the use of personalized interactive resources;		+		
103	9	professional orientation, assistance in the selection and achievement of career ways;		+		
104	10	the required number of classrooms equipped with modern technical means of training: educational and research laboratories, modern teaching and training ground, industrial parks, equipped with modern equipment, relevant ongoing educational programs, the sanitary-epidemiological norms and requirements;		+		
105	11	the required number of computer classes, reading rooms, multimedia language laboratories and teaching rooms, the number of seats in them;		+		
106	12	the book's fund, including the fund of educational, methodical and scientific literature in General education, basic and profiling majors in print and electronic media,		+		

		periodicals in the context of languages of education;				
107	13	structured information in the context of the disciplines. For example, presentation materials, videos, lecture notes, compulsory and additional literature, practical tasks etc.;	+	+		
108	14	the availability of scientific databases, electronic scientific journals and their availability;	+	+		
109	15	the availability of electronic versions of published magazines;	+	+		
110	16	examination results of НИР, prom papers and dissertations for plagiarism;		+		
111	17	free access to educational Internet resources, a free WI-FI in the entire educational organization.		+		
112	18	Manual EP must ensure compliance with copyrights when posting textbooks and teaching software free				+
113	19	Training equipment and software must meet modern requirements.		+		
Total for standard			5	13		1
Standard "Information Management"						
114	1	The institution must ensure the functioning of the system of collection, analysis and information management through the application of modern information and communication technologies and software.		+		
115	2	The institution determines the volume and structure of periodically updated information and persons responsible for accuracy and timeliness in accordance with the development strategy of the institution.	+	+		
116	3	The institution ensures the timeliness, accuracy, completeness of information and its integrity.	+	+		
117	4	Manual EP must demonstrate management decisions based on analysis of the facts.	+	+		

118	5	The system of collection, analysis and management information should be used to ensure the quality of implementation of the EP.		+		
119	6	The information we collect and analyze educational organizations, must consider:	+			
120	7	the dynamics of the population of students in terms of forms and types;	+			
121	8	the level of progress, achievements of students and contributions;	+			
122	9	satisfaction of students with the implementation of the EP and the quality of teaching at the institution;		+		
123	10	the availability of educational resources and support systems for students;	+			
124	11	the employment and career growth of graduates.				+
125	12	Manual EP must provide the ability to analyze information to identify and predict risks.		+		
126	13	The institution must ensure the availability and effective functioning of the system of information and feedback focused on students, employees and stakeholders.		+		
127	14	Students, employees and Teaching Staff have documented their consent to the processing of personal data.	+			
Total for standard			8	5	1	
Standard "Public Awareness"						
128	1	The institution must publish information about its activities in General and on the implementation of educational programs. The information must be clear, accurate, objective, relevant and available	+			
129	2	Manual EP must use a variety of methods of dissemination of information, including the information network to inform the General public and stakeholders.	+			

130	3	The institution must demonstrate reflection on the website information characterizing the institution as a whole and in the context of educational programs, the efficiency of its use to improve the educational process, having the following characteristics:	+			
131	4	the full objective information about the specifics of educational programs, including operating support systems, learning outcomes and associated professional qualifications;	+	+		
132	5	the availability of adequate and objective information about Teaching Staff, including personal pages of Teaching Staff;	+	+		
133	6	transparency of information complaints, including to host the virtual book of complaints for consumers;		+		
134	7	placement of information on the interaction with research/consulting organizations and educational institutions that implement the similarity of the educational program;	+			
135	8	placement of information and links to external resources on the results of procedures of external evaluation	+	+		
Total for standard			7	1		
"Standards in the context of certain professions"						
Education						
136	1	Manual EP must demonstrate the presence of graduates of theoretical knowledge in psychology and skills in communications, analysis of personality and behavior, methods of prevention and resolution of conflict, motivation of students;	+			
137	2	Manual EP must demonstrate literacy program graduates in the field of information technology.	+	+		
138	3	Manual EP must demonstrate the existence of the program disciplines, learning innovative teaching methods and planning of training, including interactive teaching methods, teaching methods with high involvement and motivation of students (games, case		+		

		studies/situations, use of multimedia);				
139	4	Manual EP must demonstrate the availability of students ' ability to teach the skills of self-learning;		+		
140	5	In EP needs to be an emphasis on different types of practices: - attendance of lectures and classes conducted by the lecturers; - conducting special seminars and discussions of the latest methodologies and technologies of teaching; - under the programme students should be able to listen to, at least one discipline in the field of their specialization, taught by a practicing professional;	+			
141	6	Under EP students must provide the knowledge and skills of the systems and methods of pedagogy in the world and knowledge in the field of management education.	+	+		
Total for standard			4	2		
TOTAL			52	77	12	

Parameters of specialized profile (5B060200 – Informatics, 5B070300 - Information system, 5B070400 - Computer technology and software)

No	No	Criteria for evaluation	The position of the organization of education			
			Strong	Satisfactory	Suggestions of improvement	Unsatisfactory
Standard "Management of educational program"				+		
1	1	The institution must have a published policy of quality assurance.		+		
2	2	Quality assurance policies need to reflect the relationship between researching, teaching and learning.		+		
3	3	The institution must demonstrate the development of a culture of quality assurance.		+		
4	4	Quality assurance policies shall also apply to any work performed and contractors and partners (outsourcing).		+		
5	5	The institution demonstrates the development of the plan development of EP (Educated Program) based on the analysis of its functioning, the actual positioning of the University and focus its activities to meet the needs of the state, employers, stakeholders and learners.		+		
6	6	The institution determines the mechanisms of formation and regular revision of the development plan of the educational program and monitoring its implementation, and evaluate achievement of training objectives, meet the needs of students, employers and society, decision-making aimed at continuous improvement of educational programs		+		
7	7	The institution demonstrates transparency of processes of formation of the development plan of EP. The institution provides awareness among stakeholders about the content of the development plan of EP and the process of its formation.	+			
8	8	The institution must involve representatives of stakeholder groups, including employers, students and faculty to the formation of the development plan of EP.		+		
9	9	The institution must demonstrate the individuality and uniqueness of the development plan of EP, its consistency with national development priorities and development strategy of the organization of education.		+		
10	10	The institution must ensure that the development plan of EP and available resources (including financial, information, personnel, material-technical base).		+		
11	11	In the organization of education must be documented all major business processes guiding the implementation of EP.	+			

12	12	The institution must demonstrate a clear definition responsible for business processes, clear allocation of duties of staff, separation of functions of the collegiate bodies involved in the implementation of the EP.	+			
13	13	The institution systematically examines the implementation of educational programs and conducts self-examination in all directions to assess the success of strategy implementation of educational program development through indicators such as "effectiveness" and "efficiency".		+		
14	14	Manual EP must provide evidence of transparency of the system of management of the educational program.		+		
15	15	Manual EP must demonstrate successful operation of internal quality assurance system of the EP, including its design, management and monitoring, improvement, making decisions based on facts.		+		
		The control EP must include:				
16	16	management processes;	+			
17	17	planning, development and continuous improvement;	+			
18	18	risk assessment and identifying ways to reduce these risks;		+		
19	19	monitoring, including the establishment of reporting processes, allowing to determine the dynamics in the activity and implementation plans;		+		
20	20	the analysis identified gaps, designed and implemented corrective and preventive actions;		+		
21	21	analysis of the effectiveness of the changes;		+		
22	22	the evaluation of the effectiveness and efficiency of the units and their interaction		+		
23	23	interaction with employers.		+		
24	24	The institution must ensure the participation of stakeholder representatives (employers, faculty, students) as part of the collegial bodies of management of the educational program, and their representativeness when making decisions on the management of the educational program.		+		
25	25	Manual EP will measure the degree of satisfaction of needs of faculty, staff and students and to demonstrate evidence of deficiencies detected in the framework of the measurement process.		+		

26	26	Manual EP must demonstrate evidence of openness and accessibility for students, faculty, employers (the official reception hours on personal questions, e-mail communication, etc.).	+			
27	27	The institution must demonstrate the availability of a communication channel by which any interested person may make innovative suggestions for improvement of the EP management. The institution must demonstrate examples of analysis of these proposals and their implementation.	+			
Total for standard			6	19	2	
Standard "Development and approval of educational programs"						
28	1	The institution must define and document procedures for the development and evaluation of the quality of the educational program, establish the frequency, form and methods of quality assessment of educational programs.		+		
29	2	The institution must establish a procedure for periodic reviewing and monitoring of educational programs.		+		
30	3	The institution must determine the requirements for educational programs based on the specifics, level of education, and also the used technologies, including remote.		+		
31	4	The institution must demonstrate the presence of the developed models of graduate education programs include knowledge, skills and professional competence.	+			
32	5	The institution must demonstrate participation Teaching staff, participation of employers and learners in the development of educational programs, ensuring their quality, to provide evidence that employers are typical representative of employers.		+		
33	6	The institution must provide the external expertise of educational programs and approved by collegial bodies.		+		
34	7	Manual EP must clearly define the goals of EP.		+		
		Manual EP must demonstrate the logic of compilation curricula and training programs, in particular the reasons for the inclusion of a particular discipline's one or another		+		

35	8	way in a list of the curriculum, reasons for assigning the status of post- or prerequisite.				
36	9	Manual EP must ensure compliance the names and content of the disciplines the actual directions of development studying area of science/society, etc.		+		
37	10	The institution must decide the content, volume, the logic of construction of individual educational trajectories of students.		+		
38	11	EP manual must demonstrate the continuity of the educational programme content at different levels, including the logic of the relationship of academic disciplines, consistency and continuity			+	
39	12	EP manual must provide an annual review of the contents of curricula and training programs to reflect changes in the market, the demands of employers, learners and teachers	+			
40	13	EP manual must demonstrate disciplines on the formation of students' professional competence.		+		
41	14	The complexity of EP must be clearly defined in the Kazakhstan credits and ECTS.	+			
42	15	In the structure of the educational program should provide different types of activities, the content of which should facilitate the formation of professional competence of students.	+			
43	16	The institution must demonstrate the effectiveness of the organization and conduct of professional practice.		+		
44	17	The institution must demonstrate compliance of academic disciplines and intended learning outcomes. The list and content of subjects to be available for students.	+			
45	18	An important factor is the harmonization of the content of educational programs of similar educational programs of the leading foreign and Kazakhstani educational organizations.		+		
46	19	An important factor is the presence of joint educational programs with foreign educational organizations.			+	
47	20	An important factor is the cooperation and exchange of			+	

		experience with other organizations of education, implementing such educational programs.				
48	21	Manual EP must provide research elements in the content of the EP.		+		
Total for standard			11	14	6	
Standard "student-centred learning, teaching and performance assessment"						
49	1	EP must provide equal opportunities to students, including regardless of language of instruction on the formation of individual educational program aimed at formation of professional competence.	+			
50	2	Manual EP must ensure the harmonious development of students, including intellectual development and individual characteristics.	+			
51	3	Manual EP must ensure the implementation and effectiveness of active and innovative teaching methods.		+		
52	4	Manual EP must provide their own developments in the field of methodology of teaching disciplines.		+		
53	5	Manual EP must demonstrate decision making based on the feedback from the students and assess their satisfaction.		+		
54	6	In the implementation of the educational program shall be monitored independent work of the student and established mechanisms for an adequate assessment of its results.		+		
55	7	Manual EP must monitor the satisfaction of students passing professional practices.	+			
56	8	Manual EP must demonstrate decision making based on the feedback from the students and assess their satisfaction.		+		
57	9	Manual EP must prove the existence of a system of monitoring the progress of the student at the educational trajectories and achievements of students.	+			
58	10	Manual EP must ensure the availability and efficiency of the mechanism of objective assessment of learning outcomes, peer appeal mechanism, transparency of	+			

		criteria and evaluation tools.				
59	11	Manual EP must ensure that assessment procedures level of knowledge of students planned learning outcomes and objectives of the programme according to established criteria and estimation methods.	+			
60	12	Manual EP must provide the conditions for inclusive education.			+	
Total for standard			5	6	1	
Standard "Students"						
61	1	Manual EP must demonstrate the policy of forming the contingent of OP from admission to release, and to ensure the transparency of its procedures. Procedures for life cycle students must be approved and published.	+			
62	2	Admission and enrollment in an education program must be accompanied by a comprehensive introduction containing information about the organization of education and the specifics of the educational program.	+			
63	3	Manual EP must provide for a special program adaptation and support for foreign students.		+		
64	4	Manual EP must demonstrate the conformity of the actions of the Lisbon Convention on the recognition	+			
65	5	The institution must cooperate with other educational organizations and national centers the "European network of national information centers on academic recognition and mobility. National academic Recognition Information Centers" with the aim of achieving comparable recognition of qualifications.	+			
66	6	Manual of the educational program must demonstrate the availability and efficiency of the mechanism for the recognition of the results of academic mobility of students, as well as the results of additional formal and informal training.	+			
67	7	Manual EP must demonstrate the effectiveness of the monitoring of academic achievements of students.		+		

68	8	Manual EP must demonstrate awareness of the major roles (professional, social) of students based on learning outcomes.		+		
69	9	Manual EP must promote professional certification of students.			+	
70	10	Manual EP must attract students to research work and consulting.			+	
71	11	The institution and manual EP must provide the opportunity for internal and external mobility of students and to assist them in obtaining external grants for training.		+		
72	2	The institution must provide graduates with the documents confirming obtained qualifications, including achieved learning outcomes and the context, content and status of education and evidence of its completion.	+			
73	3	Manual EP must provide measures on employment of graduates, systematic monitoring of employment of graduates, developing their career and enhancing the effectiveness of alumni associations.		+		
74	4	Manual EP must provide the opportunity for students to exchange and expression – for example, through the Internet forum of student organizations.			+	
75	5	Manual EP must demonstrate the functioning of the feedback system of support for students, which includes online reporting of the results of the assessment of students' knowledge.		+		
76	6	Manual EP must demonstrate the availability and effectiveness of support for gifted students.		+		
Total for standard			5	9	2	
Standard "Faculty"						
77	1	The institution must have fair and transparent personnel policy, including hiring, professional growth and development of staff to ensure professional competence of all staff.	+			

78	2	Manual EP must demonstrate compliance personnel potential of Teaching Staff development strategy of the institution, qualification requirements, level and specifics of the educational program and selection of personnel based on the system of recruiting.		+		
79	3	Manual EP must demonstrate a sense of responsibility for their employees and providing them with favorable working conditions.		+		
80	4	Manual EP must demonstrate the changing role of the teacher in connection with the transition to student-centred learning.		+		
81	5	The institution must demonstrate the availability to the public of information about Teaching Staff, including Teaching Staff directory, placement of ads on the website of the institution.		+		
82	6	Manual EP must monitor of activities Teaching Staff, 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	Manual EP must ensure the completeness and adequacy of individual work planning Teaching Staff for all types of activities, monitoring the impact and effectiveness of individual plans, to demonstrate evidence of completion teachers of all types of planned load.		+		
84	8	Manual EP must demonstrate support of research activities Teaching Staff, ensuring communication between research and training.				+
85	9	Manual EP must demonstrate the existence of a system of improvement of qualification, professional and personal development and administrative staff, as well as compliance with the qualification, professional and personal Teaching Staff development strategy.		+		
86	10	Manual EP must involve experts with experience in the relevant field, as well as famous scientists, public and political figures.				+
87		Manual EP must provide targeted actions for professional				

	11	development of young teachers.		+		
88	12	Manual EP must provide a stimulating professional and personal development of faculty and staff.		+		
89	13	Manual EP must ensure the monitoring of satisfaction Teaching Staff.	+	+		
90	14	Manual EP must demonstrate involvement Teaching staff in practical activities in the field of specialization on an ongoing basis.		+		
91	15	Manual EP must demonstrate it-competence of Teaching Staff, the conditions of motivation of Teaching Staff members to use innovative methods and forms of education, information and communication technologies in the educational process.		+		
92	16	An important factor is development of academic mobility of teachers, attracting the best foreign and domestic teachers, conduct joint research.			+	
93	17	An important factor is the participation of Teaching Staff in society (the role of Teaching Staff in education, in science, in the region, creating cultural environment, participation in exhibitions, creative competitions, charity programs, etc.).	+	+		
94	18	Manual EP demonstrates compliance with the priorities of consulting, research, implemented by the Teaching Staff EP, actual problems of economy, and development priorities of the state national policy in the sphere of education, science and innovative development.	+	+		
Total for standard			3	10	5	
Standard "Educational resources and student support system"						
95	1	The institution must demonstrate the adequacy of material, financial and human resources.		+		
96	2	The institution must demonstrate the effectiveness of support services for students and the availability of support procedures.	+	+		

97	3	The institution must need to identify the support needs of different groups and categories of students.		+		
98	4	The institution must ensure the availability and effective performance-oriented students, employees and stakeholders of the system of information and feedback.		+		
99	5	The institution must demonstrate the effectiveness of regular analysis of the adequacy of resources and systems of support for students, including competence of the personnel involved.		+		
		In the institution must create a learning environment reflecting specific educational programs, which includes:				
100	6	technological support for students and Teaching Staff in accordance with the programs (e.g., online learning, simulations, database, data Explorer);		+		
101	7	personalized online resources (and access outside of class time), including study materials and assignments, making it possible to trial the self-assessment of students' knowledge through a remote access portal (website) of the University;		+		
102	8	interactive academic counseling to assist students in planning and developing educational programs, including through the use of personalized interactive resources;		+		
103	9	professional orientation, assistance in the selection and achievement of career ways;		+		
104	10	the required number of classrooms equipped with modern technical means of training: educational and research laboratories, modern teaching and training ground, industrial parks, equipped with modern equipment, relevant ongoing educational programs, the sanitary-epidemiological norms and requirements;		+		
105	11	the required number of computer classes, reading rooms, multimedia language laboratories and teaching rooms, the number of seats in them;		+		
106	12	the book's fund, including the fund of educational, methodical and scientific literature in General education, basic and profiling majors in print and electronic media,		+		

		periodicals in the context of languages of education;				
107	13	structured information in the context of the disciplines. For example, presentation materials, videos, lecture notes, compulsory and additional literature, practical tasks etc.;	+	+		
108	14	the availability of scientific databases, electronic scientific journals and their availability;	+	+		
109	15	the availability of electronic versions of published magazines;	+	+		
110	16	examination results of НИР, prom papers and dissertations for plagiarism;		+		
111	17	free access to educational Internet resources, a free WI-FI in the entire educational organization.		+		
112	18	Manual EP must ensure compliance with copyrights when posting textbooks and teaching software free				+
113	19	Training equipment and software must meet modern requirements.		+		
Total for standard			4	14		1
Standard "Information Management"						
114	1	The institution must ensure the functioning of the system of collection, analysis and information management through the application of modern information and communication technologies and software.		+		
115	2	The institution determines the volume and structure of periodically updated information and persons responsible for accuracy and timeliness in accordance with the development strategy of the institution.	+	+		
116	3	The institution ensures the timeliness, accuracy, completeness of information and its integrity.	+	+		
117	4	Manual EP must demonstrate management decisions based on analysis of the facts.	+	+		

118	5	The system of collection, analysis and management information should be used to ensure the quality of implementation of the EP.		+		
119	6	The information we collect and analyze educational organizations, must consider:	+			
120	7	the dynamics of the population of students in terms of forms and types;	+			
121	8	the level of progress, achievements of students and contributions;	+			
122	9	satisfaction of students with the implementation of the EP and the quality of teaching at the institution;		+		
123	10	the availability of educational resources and support systems for students;	+			
124	11	the employment and career growth of graduates.				+
125	12	Manual EP must provide the ability to analyze information to identify and predict risks.		+		
126	13	The institution must ensure the availability and effective functioning of the system of information and feedback focused on students, employees and stakeholders.		+		
127	14	Students, employees and Teaching Staff have documented their consent to the processing of personal data.	+			
Total for standard			8	5	1	
Standard "Public Awareness"						
128	1	The institution must publish information about its activities in General and on the implementation of educational programs. The information must be clear, accurate, objective, relevant and available	+			
129	2	Manual EP must use a variety of methods of dissemination of information, including the information network to inform the General public and stakeholders.	+			

130	3	The institution must demonstrate reflection on the website information characterizing the institution as a whole and in the context of educational programs, the efficiency of its use to improve the educational process, having the following characteristics:	+			
131	4	the full objective information about the specifics of educational programs, including operating support systems, learning outcomes and associated professional qualifications;	+	+		
132	5	the availability of adequate and objective information about Teaching Staff, including personal pages of Teaching Staff;	+	+		
133	6	transparency of information complaints, including to host the virtual book of complaints for consumers;		+		
134	7	placement of information on the interaction with research/consulting organizations and educational institutions that implement the similarity of the educational program;	+			
135	8	placement of information and links to external resources on the results of procedures of external evaluation	+	+		
Total for standard			7	1		
"Standards in the context of certain professions"						
Education						
136	1	Manual EP must demonstrate the presence of graduates of theoretical knowledge in psychology and skills in communications, analysis of personality and behavior, methods of prevention and resolution of conflict, motivation of students;		+		
137	2	Manual EP must demonstrate literacy program graduates in the field of information technology.		+		+
138	3	Manual EP must demonstrate the existence of the program disciplines, learning innovative teaching methods and planning of training, including interactive teaching methods, teaching methods with high involvement and motivation of students (games, case		+		

		studies/situations, use of multimedia);				
139	4	Manual EP must demonstrate the availability of students ' ability to teach the skills of self-learning;		+		
140	5	In EP needs to be an emphasis on different types of practices: - attendance of lectures and classes conducted by the lecturers; - conducting special seminars and discussions of the latest methodologies and technologies of teaching; - under the programme students should be able to listen to, at least one discipline in the field of their specialization, taught by a practicing professional;		+		
141	6	Under EP students must provide the knowledge and skills of the systems and methods of pedagogy in the world and knowledge in the field of management education.		+		
Total for standard			0	4	1	
TOTAL			39	82	19	