INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External commission of experts

IaaR

Independent agency for
accreditation and rating

**REPORT OF THE
EXTERNAL COMMISSION OF EXPERTS (ECE)
ON THE RESULTS OF THE SPECIALIZED ACCREDITATION
OF EDUCATIONAL PROGRAMS
5B070400 – COMPUTER FACILITIES AND THE SOFTWARE
5B071200 – MECHANICAL ENGINEERING
5B071300 – TRANSPORT, TRANSPORT EQUIPMENT AND
TECHNOLOGIES
5B080200 – THE PRODUCTION TECHNOLOGY OF LIVESTOCK
PRODUCTS
"SH. UALIKHANOV KOKSHETAU STATE UNIVERSITY"**

18 to 20 December, 2015

Kokshetau, 2015

According to the order No. 38-15-od dated December 15, 2015 of the Independent Agency for Accreditation and Rating the External Commission of Experts carried out an assessment of the educational programs 5B010100 – Preschool training and education, 5B010200 – Pedagogics and methodology of elementary education, 5B011100 – History, 6M020300 – History of Sh. Ualikhanov Kokshetau state university and analyzed their compliance with the standards of the specialized accreditation of the IAAR from 18 to 20 December, 2015.

The report of the external commission of experts (further – ECE) contains the assessment of the presented educational programs according to the criteria of the IAAR, the recommendations of the ECE regarding further improvement of the educational programs and parameters of a profile of educational programs at Sh. Ualikhanov Kokshetau state university.

Members of the ECE:

1. The chairman of the commission – Toybayev Adlet Zhunusovich, candidate of pedagogical sciences, associate professor, Kazakh State Women's Teacher Training University (Almaty);

2. The foreign expert – Vasilyev Dmitry Valentinovich, candidate of historical sciences, the associate professor, the Institute of public administration, law and innovative technologies, the expert of "The Guild of experts in the sphere of professional education" (Moscow, Russia);

3. The expert – Aldabek Nurzhamal Abdrazakhkyzy, doctor of historical sciences, professor, Al-Farabi Kazakh National University (Almaty);

4. The expert – Shkutina Larissa Arnoldovna, doctor of pedagogical sciences, professor, E.A. Buketov Karaganda state university (Karaganda);

5. The expert – Torebayeva Klara Zhamanbayevna, doctor of pedagogical sciences, professor, Aktobe Regional State University named after K. Zhubanov (Aktobe);

6. The expert – Pak Dmitri Yuryevich, candidate of technical sciences, the associate professor, Karaganda State Technical University (Karaganda);

7. The expert – Sembayev Nurbolat Sakenovich, candidate of technical sciences, the associate professor, Pavlodar State University named after S. Toraygyrov (Pavlodar);

8. The expert – Rakhimov Murat Amanzholovich, candidate of technical sciences, the associate professor, Karaganda State Technical University (Karaganda);

9. The expert – Shaykenova Kymbat Khamitovna, candidate of agricultural sciences, the associate professor, Kazakh Agrotechnical University named after S. Seifullin (Astana);

10. The expert – Kalytka Valery Aleksandrovich, PhD, Kazakh Agrotechnical University named after S. Seifullin (Astana);

11. The observer from the Agency – Mukhtarova Inara Alkenovna, the project manager of the institutional and specialized accreditation of the IAAR (Astana);

12. The employer – Kaskenov Serik Rustemovich, the director of "Kaskenov&Company" LLP (Kokshetau);

13. The student – Zainulina Madina, the 4-year student 4, specialty "History", Academy "Kokshe" (Kokshetau).

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1. PRESENTATION OF SHOKAN UALIKHANOV KOKSHETAU STATE UNIVERSITY AND EDUCATIONAL PROGRAMS

The resolution of the Council of Ministers of the Kazakh Soviet Socialist Republic (Decree No. 563 dated July, 25 1962) established Kokchetav pedagogical institute. Gorokhvodatskiy I.S., the candidate of historical sciences, was appointed the Rector of the institute. On March, 29 1965 by the Decree No. 241 of the Council of Ministers of the Kazakh Soviet Socialist Republic Kokchetav pedagogical institute was given the name of Chokan Chingizovich Valikhanov, the first Kazakh scientist and educator.

In accordance with the order of the Ministry of Education of the Republic of Kazakhstan (dated May 23, 1996, No. 143) Kokshetausky teacher training institute named after Ch. Ch. Valikhanov stopped to exist and on its base was established a new higher education institution – Shokan Ualikhanov Kokshetau State University including the agricultural institute and the branch of Karaganda polytechnical institute. Abay Akhmetgaliyevich Aitmukhambetov, the doctor of physical and mathematical sciences, professor, was the first rector of the university.

In 2001 according to the Decree of the Government of the Republic of Kazakhstan Sh. Ualikhanov Kokshetau University was renamed into the Republican state enterprise "Shokan Ualikhanov Kokshetau state university". According to the Decree of the government of the Republic of Kazakhstan dated April, 28, 2012, No. 544 the Republican state enterprise "Shokan Ualikhanov Kokshetau state university" of the Ministry of Education and Science of the Republic of Kazakhstan was reorganized into the Republican state enterprise with the right of economic management "Sh. Ualikhanov Kokshetau state university" of the Ministry of Education and Science of the Republic of Kazakhstan.

According to the results of the national institutional accreditation held in 2013 the University was accredited for a period of five years. In accordance with the results of the specialized accreditation 16 educational programs were accredited for a period of five years.

In the rating carried out in 2004 by the Center of Bologna Process and the academic mobility of the Ministry of Education and Science of the Republic of Kazakhstan two specialties in Sh. Ualikhanov Kokshetau state university won the 3rd place: 5B011200 – Chemistry and 5B091200 – Restaurant and hotel business.

In 2015 Sh.Ualikhanov Kokshetau state university became the member of the European Association and Eurasian Association of universities.

Today Sh.Ualikhanov Kokshetau state university is the leader among other higher education institutions in the regional market of educational services. In 2013 the university successfully passed the state certification, in 2012 - the recertification aimed at assessing its compliance to the international standards ISO 9001-2008 confirming the high level of educational, personnel, financial and other processes at this university.

For the aspiration to provide high quality of services in accordance with the European standards Sh. Ualikhanov Kokshetau state university received the International award "the EUROPEAN QUALITY".

In 2009 within the frameworks of the program "Leaders of the XXI century" Sh. Ualikhanov Kokshetau state university was awarded the International reward "Millennium" for the effective use of advanced modern technologies in the professional sphere, development and application of extraordinary, progressive decisions. In September 2010 the Great Charter (The Bologna declaration) was signed.

Now the university includes 53 specialties (for acquiring a bachelor degree) including full-time, part time and evening forms of education, 28 specialties for master students and 4 specialties for doctoral studies.

More than 300 teachers work at 23 chairs. Among them – 22 doctors of science, 14 professors, 77 candidates of science, 52 associate professors, 34 holders of the grant "The best

teacher of a higher education institution of the Republic of Kazakhstan". This fact is evidence of high professionalism and inexhaustible creative energy of the teaching staff.

New scientific laboratories such as the Eurasian center for sustainable development "Noosphere" named after Vernadsky, the laboratory of nuclear magnetic resonance spectroscopy, the laboratory of wind power installations, the scientific institute of the region research, the research laboratory of agroinnovations, the laboratory of linguistics were open to increase the research activity and enlarge the circle of applied tasks.

The infrastructure of the university is presented by four modern educational buildings equipped with the latest computers, linguistic and multimedia classrooms. Annually the library stock is enlarged which now includes more than seven hundred thousand copies of books.

The Mission of Sh. Ualikhanov Kokshetau state university is to form scientific and educational environment providing training of highly qualified specialists who are in great demand in the labor market in the northern region of Kazakhstan and in the country in general, along with upbringing of specialists who have values, knowledge and competences in accordance with the current demands of the society.

The functioning of the university is carried out in accordance with the state license (No. 12019134) giving the right to render educational services and issued by the Ministry of Education and Science of the Republic of Kazakhstan on 11 December, 2012.

The supreme collegial management body of the university is the Academic Council which acts under the Charter and the Regulations on the Academic Council.

In the field of quality the academic policy of Sh. Ualikhanov Kokshetau state university is aimed at meeting the requirements of the international accreditation, priorities of industrial and innovative development of Kazakhstan, innovative approaches to the formation of the content of educational programs of these specialties. In the field of quality the policy of the university is first of all focused on meeting the demands of employers, i.e. providing them with highly qualified, competitive specialists who are in great demand. Secondly, it is essential to continuously improve the quality of educational activity by means of introducing innovative educational technologies; carrying out competitive scientific researches corresponding to the strategic aims of the development of the region; ensuring integration into the international educational space by means of developing the academic mobility, programs of "double diplomas", collaborating with the leading foreign experts, introducing instruments of the international accreditation.

The university has three-level system in the field of higher education: bachelor degree – master degree – PhD. Admittance to the university is carried out on the basis of the state educational grants and contracts. The university takes the leading positions among other higher education institutions of the Republic of Kazakhstan by number of holders of the state grant "Mangelik el industriyaga".

The university includes 5 reading rooms, the museum of biology, educational laboratories, scientific and research laboratories, sport centers, gyms, sanatorium "Arasan", educational workshops, dining rooms, dormitories, the House of students. Special pride of the university is the sports and health center "Tulpar" which is located in the Zerendinsky recreation area in Akmolinskaya oblast.

The educational scientific and industrial complex "Elite" was created with the purpose to instill practical skills to students and inspire them.

The teaching staff and members of the university have an access to the catalogs of the Republican interuniversity electronic library, the Kazakh National electronic library and to such world databases as: "SpringerLink", "Thomson Reuters", "ELSEVIER", "POLPREDSOM", "RGB", etc.

The university seeks to use information technologies: AIS "Platonus", the system of electronic document flow, site, etc. The official website of the university www.kgu.kz functions in 3 languages: Kazakh, Russian, and English. On the website one can find the Strategy, the

Mission of the university, general information on the educational process, international programs, the results of accreditation, the rating of educational programs and other important information.

2. GENERAL ASSESSMENT OF EDUCATIONAL PROGRAMS

The development of the Educational Program and the purpose are formed with involvement of all interested parties on the basis of the analysis of the external and internal environment, monitoring of satisfaction of students and the staff. The development plan and the purposes for ensuring transparency and availability pass joint discussions and are published on the website for all those who are interested in it.

The aims of the Educational Program answer the interests of consumers of educational services and adequately provide the expected professional standard of graduates according to the development plan of educational programs of specialties. Educational Programs provide opportunities for periodic updating of the contents of programs, and developing of individual educational trajectories. The description of the results of preparation is detailed and allows to diagnose the achievement of these results. The amount of time allotted for the implementation of these programs and their content is sufficient for obtaining the declared results. The forms of control used are close to the conditions of professional activity and allow to estimate students' readiness to solve professional tasks.

"Shokan Ualikhanov Kokshetau State University" carries out activity on the basis of the State license for the right of rendering educational services: No. 12019134 issued on December 11, 2012 by the Ministry of Education and Science of the Republic of Kazakhstan.

Educational programs 5B070400 "Computer facilities and the software", 5B071200 "Mechanical engineering", 5B071300 "Transport, transport equipment and technologies" and 5B080200 "The production technology of livestock products" (the state license No. 12019134 (appendix No. 004) granted on November, 20, 2013 by the Ministry of Education and Science are realized according to the State program of education development in the Republic of Kazakhstan for 2011-2020, the State obligatory standards of education in the Republic of Kazakhstan, the Strategic development plan of Sh. Ualikhanov Kokshetau State University for 2014-2018 (September, 25, 2014).

The content of educational programs is developed taking into account modern achievements of science and technology and according to the requirements of the production. The catalog of elective disciplines (CED) and syllabi are annually updated.

The assessment of educational achievements and level of students and undergraduates is done with the help of the mark and rating system. Educational technologies are used to ensure the required quality of the knowledge in specialists. The highly skilled staff is engaged in these educational processes. Planning, management and the realization of educational programs are fulfilled in accordance with the Strategic development plan of Sh. Ualikhanov Kokshetau State University for 2014-2018.

The development plan of educational programs and the aim are developed together with other parties interested and are based on the analysis of the external and internal environment, monitoring of satisfaction among students and the staff. The development plan and the purposes for ensuring transparency and availability pass joint discussions and are published on the website for all those who are interested in it.

The aims of the Educational Program answer the interests of consumers of educational services and adequately provide the expected professional standard of graduates according to the development plan of educational programs of specialties. Educational Programs provide opportunities for periodic updating of the contents of programs, developing of individual educational trajectories

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Educational programs 5B070400 "Computer facilities and the software", 5B071200 "Mechanical engineering", 5B071300 "Transport, transport equipment and technologies", 5B080200 "The production technology of livestock products" have the following advantages:

- the development plan of educational programs passes public discussions with representatives of all the interested parties. Thus we can guarantee the uniqueness of the development plan of educational programs, their coherence with the national priorities of development and the strategy of development of education;

- the staff of the university is highly skilled and answer all the qualification requirements, in accordance with each educational program;

- there is an environment which reflects the specifics of educational programs including the personified interactive resources (with access available after classes), training materials and tasks, etc.;

- the educational process is organized on the basis of credit technologies;

- the educational content is focused on practical training;

- Collaboration with potential employers, questioning of employers with the aim to know their opinion on the quality of educational services;

- computerized control of students' knowledge and achievements;

- functioning of electronic library with unlimited access to library resources;

- free WI-FI access;

- Development of educational training packages on all disciplines of educational programs;

- High level of computerization in the educational process.

3. DESCRIPTIONS OF THE STAY OF THE ECE

The stay of the external commission of experts to Sh. Ualikhanov Kokshetau state university was organized in accordance with the program which was first of all coordinated with the chairman of the ECE (appendix) and approved by the rector of the university.

With the purpose to coordinate the work of the ECE on December,18, 2015 a preliminary meeting took place during which all the functions of the members of the commission were distributed, the schedule of the stay was specified, the agreement on questions regarding the expertise methods were reached.

The ECE members met with different target groups in accordance with the specified schedule of the visit and the established time intervals. All the participants listed in the visit program attended these meetings.

During this visit the ECE members met not only with the target groups, but also with students, undergraduates, teachers, graduates and employers.

Data on employees and students who met with the ECE members

Participants	Amount
Rector	1
Provosts	4
Deans	4
Head of chairs	7
Heads of departments	23
Teachers	27
Students	40
Postgraduates,doctoral students	6

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Graduates	31
Employers	22
Total	**165**

Members of the ECE attended classes on the accredited educational programs:

1. The educational program 5B070400 - Computer facilities and the software: the examination in the discipline "Information security" (2nd course, senior lecturer Dosymbekov E.T.) (aud.208, building No. 2)

2. The educational program 5B071300 - Transport, transport equipment and technologies: discipline - Power stations of transport equipment (3rd course, senior lecturer Kalin A. N.) (aud. 312, building No. 2);

3. The educational program 5B080200 – the Production technology of livestock products: the examination in the discipline: Cattle breeding, production technology of milk and beef (4th course, senior teacher Alpysov A.R.) (aud.121, the agrarian and economic institute named after S. Sadvokassov).

During the excursion the members of the ECE examined the condition of the material base, visited the museum, the library, classrooms and laboratories, specialized offices, computer classes, the House of students, the departments and chairs, the dining room, the sports complex.

The actions planned within the frameworks of the ECE stay promoted the detailed acquaintance of the experts with the educational infrastructure of the university, the material resources, the staff, representatives of employers, students and graduates. It allowed the members of the ECE to carry out an independent assessment of compliance of the data stated in reports on the self-assessment of educational programs of the university to the criteria of the standards of the specialized accreditation.

The recommendations on the improvement of activity of the university developed by the ECE members were presented at the meeting with the management on December 20, 2015.

4. 4. COMPLIANCE TO THE STANDARDS OF THE SPECIALIZED ACCREDITATION

4.1. Standard "Educational Program Management"

Development and educational programs management in specialties 5B070400 - Computer facilities and the software, 5B071200 - Mechanical engineering, 5B071300 - Transport, transport equipment and technologies, 5B080200 – the Production technology of livestock products are carried out on the basis of the State program of development of education in the Republic of Kazakhstan for 2011-2020, the order of the Ministry of Education and Science of the RK No. 343 issued on August 16, 2013, as well as the Dublin descriptors coordinated with the European qualifications.

The educational programs and the strategy of their development are carried out in accordance with the mission, vision and priorities of the university defined in the Strategic development plan of Sh. Ualikhanov Kokshetau State University for 2014-2018. The Mission of the university defines the goals for the chairs aimed at developing and implementing these educational programs. These goals and tasks are annually discussed and approved by the staff at the staff general meetings.

At the planning stage the teaching staff, postgraduates, employers and others are engaged in the process of defining the goals for the development of educational programs. At the end of each academic year the chair, considering the needs, calls for the required information and other resources. When developing the educational program the obtained results and the analysis of the number of classrooms, computers, etc. are used.

The vice – rector on educational and methodical work controls the educational process together with the first vice-rector and other provosts in charge of the personnel and other resources. The vice rector on educational work plans and controls all the processes connected with the educational activity. The dean of the faculty and the head of the department carry out the analysis of progress of students during a semester taking into consideration their midterm results and examination grades.

The Chair of "Information systems and computer facilities", the Chair of "Engineering technologies and transport" and the Chair of "Mechanization and animal husbandry" systematically carry out monitoring of students' training with the purpose to ensure the quality of education within the frameworks of Sh. Ualikhanov Kokshetau state university quality system (which is placed on a portal of the university – www.kgu.kz). The monitoring includes: carrying out assessment of all kinds at the faculties, the chairs and among the teaching staff; organization and carrying out the current control of progress, midterm and final assessment; assessment of lessons and analysis of methodical maintenance and literature; questioning of students, employees and teachers with the aim to determine the level of their satisfaction with the quality of the provided educational services.

The questioning of the teaching staff which was carried out during the visit of the ECE showed that there is a good tendency for the staff to be involved into the process of accepting administrative and strategic decisions – correspondingly – 28,8% (very good) and 57,5% (good).

Thus after the meetings, discussions and interviews with the vice-rectors, the deans, the heads of the chairs, the heads and other members of different structural departments, the faculty members, representatives of employers and graduates, and also having carried out questioning with students and the faculty, the ECE received a detailed information about the educational infrastructure of the university, material, information and methodical resources. Thus they give the following conclusions.

The strengths of the educational programs are the following:

- the educational programs are focused to meet the demands of the state, all those interested and students;
- the management and development of the educational programs is clear and open to everybody;
- the development plan of educational programs is adequate and corresponds with the available resources;
- developed system of computerization and computerized guidance of the educational process and the accredited educational programs.

For further development of the university and improvement of the accredited educational programs the ECE **recommends:**

- to carry out the analysis of compliance of the development plan of educational programs with the current Strategy of development of the university and on the basis of the obtained data to improve the development plans of the accredited educational programs, to speed up the work on the analysis of the success of realization of the educational programs with the introduction of subsequent correction actions;
- to further build cooperation with the domestic and foreign higher education institutions with similar educational programs.

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According to the Standard "Management of an Educational Program" the accredited educational programs have 12 strong and 21 satisfactory positions

4.2. Standard «Development and adoption of educational programs"

At the university there is a developed system of a periodic reviewing (revision) and monitoring of the educational programs and documents regulating this process.

The educational and methodical commission of the chairs traces the process of acceptance, realization and detection of efficiency of educational programs. The head of the department takes the full responsibility for the implementation of educational programs.

Questions of efficiency and productivity are considered at meetings of the chairs, some of the questions are discussed at meeting with the members of the faculty council, administration, the Academic Council of the university. Monitoring of educational programs is carried out in the form of discussions at meetings of the chairs, at round table discussions or seminars with employers, graduates and senior students. The accepted changes are introduced into educational programs and are approved by the Academic council of the university. The accepted changes into educational programs are brought in the following order: the offer on changes is considered at the chair meeting, then they are approved by the educational and methodical commission of the faculty, then they are coordinated with the educational and methodical board and are discussed at the academic council of the university and are approved by the first vice-rector.

The approval of an educational program includes the following stages: development and discussion of an educational program, reviewing of an educational program, revision of an educational program with the aim to take into account all the offers and remarks formulated by employers and other stakeholders, discussion of an educational program, recommendations for its approval, approval procedure (all the materials concerning the educational programs are placed on a portal of the university in sections of corresponding chairs: The Chair of Information Systems and computer facilities - http://kgu .kz/main/ru/obshhie-svedeniya31; The Chair of "Engineering Technologies and Transport" - http://kgu .kz/main/ru/obshhie-svedeniya30).

The central component of the educational program is the system of the purposes which characterize the model of a graduate developed and approved at the chair meeting. This system includes the following items: knowledge, abilities, skills, competences and personal qualities.

As a conventional unit of labor input of the educational program we take the ECTS credits which also include a profile of graduates' future profession, students' grades and schedule, competences, etc.

The concept of the educational program is built on the following criteria:

- it is focused on graduates' competences as the results of training during the development, realization and the assessment of the program;

- it uses the credit system of the RK and ECTS (European Credit Transfer System) for the assessment of competences, and also didactic units of the program providing their achievement;

- it takes into consideration the requirements of the international ISO 9001:2008 standards, the European standards and the managements for ensuring quality of the higher education (ESG, Standards and Guidelines for Quality Assurance in the European Higher Education Area) within Bologna Process, standards of the specialized (program) accreditation of the organizations of the higher education, and also national and international criteria.

The educational program consists of modules: general modules; modules in the specialty; module of ATT (additional types of training); final module.

The number of the credits on a bachelor degree of (General, not specialized subjects) - 33 credits; Basic (main) subjects – 64 credits, among them 20 credits make Compulsory subjects, 44 – elective subjects. Specialized subjects (component) – 32 credits, from them 5 credits –

Compulsory subjects, 27 credits – Elective subjects. ATT module – 20 credits of practice, 8/16 credits of PT, Final assessment – 3 credits

The number of the credits for a MA course – 20 credits, 8 credits – Compulsory subjects, 12 credits – Elective subjects; Specialized subjects (component) – 22 credits, from them 2 credits – compulsory subjects, 20 credits – elective subjects. ATT module – 13 credits (practice – 6 credits, Scientific and research work – 7 credits), Final assessment – 4 credits.

The term of training for the accredited educational programs (bachelor degree) - four years.

The number of the credits of theoretical and additional types of training, practice and other types of training per one student should be calculated in accordance with the state overall compulsory educational standard and university academic curriculum.

№ п/п	Specialty	Number of credits							
						Total for 4 years			Arithmetic-mean number of the credits per one year
		1 course	2 course	3 course	4 course	Theoret.	other	Final assess.	
1	5B070400 - Computer facilities and software	40	43	42	24	129	20	3	37,5
2	5B071200 – Mechanical engineering	45	48	44	29	129	20	3	38,25
3	5B071300 - Transport, transport equipment and technologies	41	47	41	24	129	20	3	37,5
4	5B080200 – Production technology of livestock products	37	36	38	18	129	20	3	32,37

All the educational disciplines reflect a necessary set of professional knowledge, abilities, skills and competences. In syllabuses of disciplines one can find the description of all the acquired competences, information on methods of their acquisition, assessment criteria.

The catalog of the elective courses is formed on the basis of the curriculum. The relevance, inquiries of employers and opinions of the students are taken into consideration when making decisions about a certain subject and its introduction into the catalogue of elective courses.

The disciplines included into the catalogue of the elective courses reflect the actual trends in the development of the studied area. For example, the catalogue of elective courses for a bachelor degree has the following courses: Polynomials and algebraic numbers, Main aspects of teaching mathematics, Workshop on the solution of tasks on mechanics and molecular physics, Current trends in the world educational space. The catalogue of the elective courses for specialties of magistracy has the following courses: A ratio of intuition and logic in the course of teaching mathematics; Tasks for development of mathematical abilities; Research of operations; Application of the differential equations in mechanics.

Types of classroom studies include lectures, practical classes, laboratory researches in accordance with the State Overall Compulsory Educational Standard, University academic

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curriculum, state academic program and university academic curriculum. The time allotted for each type of students' independent work is considered and approved at faculty meetings annually.

The module "Practical training" is developed by the chair together with employers. And thus students have three types of practical training:

- educational practice - second year

- professional practice – third year. This practical training allows students to know in details the specifics of new technology in branches (animal husbandry, poultry farming, mechanical engineering);

- professional practice - fourth year, 8th semester (LLP Esil-Agro, LLP PlemzavodAlabota LLP, JSC Tynys);

- pre-diploma practice – fourth year, 8th semester.

At the end of the training students pass an examination. The final assessment of knowledge is carried out according to the academic calendar upon termination of a 15-week semester. Forms of final assessment are defined every year by the chair and are approved by the first vice-rector.

During the meeting with students of specialties 5B070400 - Computer facilities and the software, 5B071200 - the Mechanical engineering, 5B071300 - Transport, transport equipment and technologies, 5B080200 – the Production technology of livestock products it was proved that all the students are aware of the ways and forms of development of educational programs with their participation.

The questioning of students carried out by the ECE during their stay showed that:

– 81,3% of students are completely satisfied with their academic loading / requirements to the students, partially satisfied – 17,5%;

- 85% of students are completely satisfied with the ways the information concerning the requirements for successful graduation is delivered to them, partially satisfied – 13,8%;

– 81,3% of students are completely satisfied with the ways they are informed about courses, educational programs, academic degrees, partially satisfied – 15%;

After meetings, discussions and interviews with the vice-rectors, deans, heads of the chairs, the heads of other structural divisions, students, teaching staff, representatives of employers and graduates, the ECE mark the following strong and weak things.

Strengths of the educational programs:
- periodic development of educational programs;
- students have free access to the contents of educational programs;
- the teaching staff and employers participate in the development and management of the educational programs, ensure their quality;

Weaknesses of the educational programs are the following:
- the content of the educational programs is not sufficiently harmonized with similar educational programs of the leading foreign and Kazakhstani organizations of education;
- the continuity of educational programs at various levels;
- the lack of joint educational programs with the foreign organizations of education.

For further development and improvement of the university activity in the implementation of the accredited educational programs the ECE **recommends:**

- to organize mutual work with the leading foreign and Kazakhstani higher education institutions on realization of joint educational programs.

- to speed up work aimed at inviting more research organizations in Kazakhstan to participate in educational processes.

- to provide opportunities for students to continue their education (educational programs of a magistracy and additional education).

Thus the accredited educational programs have 12 strong positions, 14 satisfactory positions and 4 positions that should be improved.

4.3. Standard "Student-oriented training, teaching, assessment"

The educational programs provide opportunities to students to form their individual educational trajectory regardless of the language of teaching. The individual educational trajectory is specified in modular educational programs and students' individual plans where along with general disciplines, basic disciplines of the compulsory component there are elective courses and practical training focused to ensuring professional competences. Elective courses are chosen by students and the appropriate data is fixed in AIS "Platonus.

Individual peculiarities of students, their demands / requirement, cultural experience in various aspects of scientific and educational activity is taken into account: when choosing elective courses; when making decisions concerning the base of practical training; when formulating the theme of the diploma paper; when choosing the scientific advisor of the thesis; when participating in research work (scientific projects including scientific projects of the chair).

The descriptions of the expected results of training are based on the existing professional standards.

In a discipline syllabus each teacher in detail describes criteria for students' assessment, and each student can correct his/her actions for better achievement of results. This gives students the chance to seek for achievements and better results.

The individual plan of each student includes both main and elective disciplines. Students choose elective courses before the academic year begins. Advisors of each specialty do presentations of elective disciplines for the next academic year and this allows students to make an intelligent choice. Final decisions on students' individual educational trajectory are made under the guidance of the advisor of specialty.

Students' individual work has various forms and promotes development of research skills, activation of cogitative activity, ability to analyze and synthesize information. Thus in the courses - Computer facilities and the software (5B070400), - Mechanical engineering (5B071200), - Transport, transport equipment and technologies (5B071300), the Production technology of livestock products (5B080200) students' individual work (4 credits in general, 2 credits in the 3rd semester, 2 credits in the 4th semester) includes individual home tasks in the 3rd semester, and team work on design and administration of a network in the 4th semester. Practical training of the 2nd year students consists of the following: application of the gained knowledge, solution of various tasks and then creation of video lessons, presentations about the process of decision making and task solution. Teachers control this process and the work regularly; the most serious mistakes are analyzed and discussed.

The departments annually interview students, the teaching staff and employers with the aim to know how they are satisfied with the educational process, criteria of assessment students' knowledge, abilities, skills and how the acquired competences comply with the employers' demands.

With the aim to improve the educational process the head of the department attends classes of the teaching staff monthly. Discussions of these lessons and assessment of the aims of the lessons are made, the corresponding conclusions are drawn, and appropriate recommendations are made. The teaching staff attends lessons of colleagues, carry out open lectures, workshops and master classes to share their experience with other members of the department.

Thus after the meetings, discussions and interviews with the vice-rectors, the deans, the heads of the chairs, the heads and other members of different structural departments, the faculty members, representatives of employers and graduates, and also having carried out questioning with students and the faculty, the ECE received a detailed information about the educational

infrastructure of the university, material, information and methodical resources. Thus they give the following conclusions.

Strengths of the educational programs:

- they provide equal opportunities for students to form their individual educational trajectory regardless of the language of teaching;

- use of information, communication technologies and the software in the educational process;

- objective approach to the assessment of knowledge and professional competences, use of evident and adequate criteria, tools and mechanisms for their assessment.

For further development and improvement of the university activity in the implementation of the accredited educational programs the ECE **recommends:**

- to improve the automated control system of management and regulation of educational process at the level of a local computer network;

- to intensify work and improve the system of alternative and innovative technologies in the priority-oriented spheres of fundamental and applied – technical, technological scientific researches.

Thus regarding the considered standard the accredited educational programs have 4 strong positions, 7 satisfactory positions and 1 position that should be improved.

4.4. Standard «Students»

There is a clear and evident policy of enrolling students and undergraduates to the university. The university enrolls students on the basis of the functioning standard and legal base, the Standard Regulations of Admission to educational organizations providing professional educational services (approved by the Resolution of the Government of the Republic of Kazakhstan dated January,19, 2012 No. 111, with changes dated April 19, 2012 No. 487). Enrollment of students is carried out from the state budget and educational grants that bear the tuition fees for preparation of scientific and pedagogical experts, and at the expense of students and other sources.

Data on the students

Code and specialty	Form of education	2012/2013		2013/2014		2014/2015		2015/2016	
		Total	Kazakh language of teaching	total	Kazakh language of teaching	Total	Kazakh language of teaching	Total	Kazakh language of teaching
5B070400 «Computer facilities and software»	Full-time	71	23	33	16	8	4	30	30
	Correspondence department	4		6		-		-	
5B071200 – Mechanical engineering	Full-time	18	13			18	9	36	30
	Correspondence department			14	1	-		8	-
5B071300 - Transport, transport equipment and technologies	Full-time	8	3	17	11	15	9	44	40
	Correspondence department	16	6	15	5	11	6	14	6
5B080200 – Production	Full-time	26	11	34	14	39	14	50	

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technology of livestock products	Correspondence department							

On the site of the university one can find all the requirements concerning students' enrollment.

There is a system of internal monitoring of students' knowledge at the university, students are questioned systematically.

Students of the presented educational programs and specialties 5B070400 - Computer facilities and the software, 5B071200 - Mechanical engineering, 5B071300 - Transport, transport equipment and technologies, 5B080200 – "Production technology of livestock products" take active part in various competitions and actively participate in scientific and other events at the university and the department. All this promotes their personal, social and professional growth.

Students are regularly involved into the scientific and research work. The results of this scientific and research work can be found in the course and diploma papers of students and master students; they are published in volumes of scientific conferences and scientific editions.

Number of scientific publications of the students of the presented educational program

Educational program	2012-13	2013-14	2014-15
5B070400 - Computer facilities and software	17	24	19
5B071200 - Mechanical engineering	13	7	4
5B071300 - Transport, transport equipment and technologies	18	11	22
5B080200 – Production technology of livestock products	3	4	7

Participation of the teaching staff in conferences:

1. Eszhanov G.S., Shunekeeva A.A., Loskutova G.A., Koshekova S.A., Karibzhanova Zh.S., Magafirin A.M., Poddubnaya D.M., Poddubny A.A., Sofronova L.I., Abramova S.A., - International scientific and practical conference «Ualikhanov's Readings - 18», 2014, Sh. Ualikhanov state university, Kokshetau;
2. Poddubnaya D.M., Poddubny A.A., Kabdullina A.K., Loskutova G.A., - International scientific and practical conference «Ualikhanov's Readings – 19, , 2014, Sh. Ualikhanov state university, Kokshetau;
3. Sofronova L.I., Abramova S.A. - International scientific and practical conference «Innovations – a way to a new stage of development of agrarian and industrial complex, Astana, 2013;
4. Sofronova L.I. - International scientific conference of Tambov University named after G.R. Derzhavin, 2014, Tambov, Russia.
5. Sofronova L.I. - International scientific and practical conference «Strategic projects of development of water resources in the 21st century: legal, social -economic and ecological aspects", Tyumen 2013;
6. Sofronova L.I. - International scientific and practical conference «Actual environmental problems and labor protection", Kursk, 2013;
7. Khaimuldinova A.K., Alibekova A.T. - International scientific and practical conference, Belgorod, Russia, 2014;
8. Loskutova G.A., Shunekeeva A.A., Dubinets I.M. - International scientific and practical conference, (11-12 November, 2014) Altai state technical university named after I.I. Polzunov.

9. Loskutova G.A., Shunekeeva A.A. - International scientific and practical conference (11-12 November, 2014) Innovations and traditions, Russia, Barnaul.

10. Poddubny A.A., Shunekeeva A.A., Kalin A.K. - International scientific and practical conference «Ualikhanov's Readings – 19, 17-18 April, 2015.

11. Poddubny A.A. - Roundtable discussion on the theme «Improvement of pedagogical education: history and the present days" devoted to the memory of candidate of philosophical sciences, associate professor Zhulamanov K.D., Kokshetau, Sh. Ualikhanov state university, 2015.

The department has signed the program of development of the academic mobility with higher educational institutions of Russia, the Czech Republic, Latvia. The decision on recognition and acceptance of the grades in the disciplines mastered at other universities is made at the faculty meeting, together with the advisor. The transcript with records of the mastered courses and grades can be considered as the basis for recognition of the results achieved at the other university.

Information on students' mobility within and out of the RK regarding each faculty

№	Students full name	Form of education	Period of education	Country, city	University of education
1	Suleimenova Indira, Amzebekov Ayaz	Full-time	2013-2014	RK, Almaty	Kazakh National Research Technical University after K.I. Satpayev
2	Tashimova A., Puzanov E.	Full-time	Semester	RK, Astana	S. Seifullin Kazakh Agro Technical University
	Zhaksylykov K.	Full-time	Semester	Germany	«LOGO» program
3	Mukanova A.	Full-time	Semester	RK, Pavlodar	S.Toraighyrov State Pavlodar University
4	Klimenko M.	Full-time	Semester	Riga, Latvia	Baltic International Academy
5	Esem A., Baigozha Zh., Shukenov A.	Full-time	Semester	Czech Republic	Czech Technical University in Prague
6	Alimbekov Mereke	Full-time	Semester	Germany, Lienen	LOGO program

Indicators of students' progress

Course	Absolute average progress					
	2012-2013		2013-2014		2014-2015	
	GPA	Quality, %	GPA	Quality, %	GPA	Quality, %
5B070400 - «Computer facilities and software»						
1 course	3,67	90	3,33	88	3,67	92
2 course	3,0	82	4,0	95	3,33	87,63
3 course	3,33	85	3,67	90	3,33	83
4 course	4,0	95	3,67	94	3,33	86,4
5B071300 «Transport, transport equipment and technologies»						
1 course	2,33	70	3,67	91	4,0	95

2 course	3,33	86	3,67	90	3,00	83
3 course	3,00	84	3,33	87	3,67	94
4 course	4,0	100	3,67	91	3,33	88
5B071200 – Mechanical engineering						
1-course	3,00	82	3,17	69,7	2,67	77
2- course	2,76	33	2,67	80,5	3,12	79
3- course						
4- course	3,67	90	3,33	83,4	3,33	85
5B080200 – Production technology of livestock products						
1- course	4,0	100	4,0	100%	4,0	95%
2- course	4,0	100	4,0	91%	4,0	96%
3- course	4,0	100	4,0	100%	3,33	85,5%
4- course	-	-	4,0	100%	4,0	96,5%

Results of the Final state assessment of graduating students on the accredited educational programs for the last 3 years

Specialty	Year of graduation	State examination (complex exam)		Qualification paper	
		Average point	quality	Average point	quality
5B070400 - «Computer facilities and software»	2012	81,25	79%	90	84%
	2013	77	88%	80,77	85%
	2014	91,7	88%	84	81%
5B071300 «Transport, transport equipment and technologies»	2012	4,5	98	4,08	95
	2013	4,5	100	4,88	100
	2014	4,5	95	3,9	100
5B071200 - Mechanical engineering	2012	2,43	61	3,05	63
	2013	2,43	61	3,06	66
	2014	2,45	66	3,08	66
5B080200 – Production technology of livestock products	2012	3,00	100	3,33	100
	2013	-	-	-	-
	2014	3,33	100	3,67	100

There are different scientific clubs for the students of the accredited programs.

1. "Entertaining programming" in the sphere of Programming (the head of the club – candidate of physical and mathematical sciences, Ilyasheva G. I., senior lecturer Aubakirova A.S.);

2. "The magic country" in the sphere of modelling (the head of the club – candidate of pedagogical sciences, Kostangeldinova A.A., senior lecturer Karymsakov Zh.Zh.). In this club students are trained for participation in competitions and Olympiads.

3. "Scientific club for young livestock specialists" - the head of the club - Eseneev T.K., Omarkhanov S. Sh, Alpysov A.R.

Employment of graduates is carried out on the basis of petitions from employers. The center of career at Sh. Ualikhanov state university promotes employment of graduates.

Data on the employment of graduates

Data on the employment of graduates of the specialties 5B070400 - «Computer facilities and software», 5B071200 –Mechanical engineering, 5B071300 - «Transport, transport equipment and technologies», 5B080200 – Production technology of livestock products:

Specialty	2012-2013			2013-2014			2014-15		
	Number of students	employed	% of employment	Number of students	employed	% of employment	Number of students	employed	% of employment
5B070400 - «Computer facilities and software»	71	68	95	33	31	97	8	7	98
5B071300 «Transport, transport equipment and technologies»	22	20	90	18	14	77	15	5	33
5B071200 – Mechanical engineering	21	20	95	12	10	83	18	13	72
5B080200 – Production technology of livestock products	12	11	95	5	4	90	-	-	-

During the meeting with students and undergraduates of the accredited educational programs it was established that:

- Percentage of students engaged in science, research work and consulting is not high enough;

- Mobility of students within and out of the country is low;

The questioning carried out by the ECE showed that:

- 85% of the students are satisfied with examinations and assessment and think they are honest;

- 90% of the students are satisfied with the attitude of teachers to students.

Thus after the meetings, discussions and interviews with the vice-rectors, the deans, the heads of the chairs, the heads and other members of different structural departments, the faculty members, representatives of employers and graduates, and also having carried out questioning with students and the faculty, the ECE received a detailed information about the educational infrastructure of the university, material, information and methodical resources. Thus they give the following conclusions.

Strengths of the educational programs:

- life cycle of students from the very moment of their admittance to the university to the graduation exams was regulated, approved and published;

- there are certain tools for collecting information, monitoring and making decisions – on the basis of information about the academic achievements of students;

Weaknesses of the educational programs:

- Inappropriate level of collaboration with other organizations of education and national centers ENIC/NARIC with the aim of ensuring adequate recognition of qualifications;

- Engagement of students in scientific and research work.

For further development and improvement of the university activity in the implementation of the accredited educational programs the ECE **recommends:**

- to consider the possibilities of collaboration with educational institutions and national centers ENIC/NARIC with the aim of ensuring adequate recognition of qualifications;

- to speed up work in close cooperation with graduates and form a community of graduates on the accredited educational programs;

- to attract and engage more students in scientific and research work, to develop mechanisms and the program for support of talented and gifted students.

Thus regarding the standard "Students" the accredited educational programs have 5 strong positions, 9 satisfactory positions and 4 positions that require some improvements.

4.5. Standard "The Teaching Staff and Efficiency of Teaching"

Basic provisions of the personnel policy are stated in the Charter of Sh. Ualikhanov Kokshetau state university, the Strategic plan of Sh. Ualikhanov Kokshetau state university for 2014-2018, the Documentary procedure "Management of the Personnel".

Selection of employees is carried out on the basis of the analysis of requirements of educational programs, the results of which are taken into consideration and replacement of vacancies is announced. The system of employment of teachers and work with the personnel is developed in accordance with the "Rules of competitive replacement of vacancies" approved by the Ministry of Education and Science of the RK. This system includes the following items: motivation of employees to perform qualified and professional work, their involvement in processes of continuous improvement of quality; guarantees of professional development as indispensable condition of qualified and interesting activity; restriction on hiring on teaching positions those candidates who do not have academic degrees and ranks; termination of contracts with those teachers who aren't engaged in scientific work and do not have concrete results for a long time.

The personnel of the department of Information Systems and computer facilities, the department of ITandT are completed according to the legislation of the RK.

In the Regulations on running the department described all the main functions and tasks of the department, duty regulations of the head of the department, duty regulations of professors, associate professors, senior teachers, teachers, and laboratory assistants.

Quantity of regular PPS, the basic and profile disciplines of specialty conducting classes in cycles

The staff teaching basic and specialized disciplines in the specialties is presented in the table below.

Teaching staff implementing the educational program

Specialty	Number of teachers	With a scientific degree (number / %)	Average age of teachers	Winners of competitions, holders of the state awards
5B070400 - «Computer facilities and software»	14	38%	40	4
5B071300 «Transport, transport equipment and technologies»	17	13/18%	42	4
5B071200 – Mechanical engineering	17	13/18%	42	4
5B080200 – Production technology of livestock products	12	7/58%	57	1

On a portal of the university one can find the full information about teachers and the departments. Additional information on the teachers and courses they teach can be found at the department stand which is placed near the office of each department. All the teachers have a professional portfolio in which all the necessary data on their qualification, including copies of diplomas, certificates of professional development, lists of main works, list of the taught courses are given.

Annually according to the plan approved by the management of the university the personnel should take various advanced training courses. Teachers improve their skills at universities in the Republic of Kazakhstan, the republican institute of professional development "Orleu" (Almaty), leading foreign universities. The management of Sh. Ualikhanov Kokshetau state university finances these courses of professional development (completely or partially).

The advanced training courses taken by the teaching staff of the department

№	Full name of teachers	Courses	Took place in	Dates
1	2	3	4	5
1	Dubinets I.M.	Bolashak grant, scientific training	England, Brunel	September 2013-July 2014
2	Kazhenov S.G.	Bolashak grant, scientific training	England, Brunel	September 2013-July 2014
3	Tanbayev K.K.	Bolashak grant, scientific training	England, Brunel	September 2013-July 2014
4	Uzbergenova S.Zh.	Pedagogical skills: Components, methods and technologies	Sh. Ualikhanov Kokshetau state university	08.01-15.01.2015
5	Kalin A.K.	Pedagogical skills: Components, methods and technologies	Sh. Ualikhanov Kokshetau state university	08.01-15.01.2015
6	Kalin A.K.	Professional training courses on the AUTOcad program	Sh. Ualikhanov Kokshetau state university	10.03-27.03.2015
7	Magafirin A.M.	Pedagogical skills: Components, methods and technologies	Sh. Ualikhanov Kokshetau state university	08.01-15.01.2015
8	Kabdulina A.T.	Pedagogical skills: Components, methods and technologies	Sh. Ualikhanov Kokshetau state university	08.01-15.01.2015

9	Kabdulina A.T.	Professional training courses on the AUTOcad program	Sh. Ualikhanov Kokshetau state university	10.03-27.03.2015
10	Alpysov A.P.	Pedagogical skills: Components, methods and technologies	Sh. Ualikhanov Kokshetau state university	08.01-15.01.2015
11	Bulasheva A.I.	A number of methodical seminars on use of modern technologies of teaching in the course of teaching disciplines in Higher education institutions	Sh. Ualikhanov Kokshetau state university	19.11 - 21.11.2013
12	Bulasheva A.I.	Economic problems and management in dairy cattle breeding	DAZ German agrarian center (Chaglinka)	07.10. - 09.10.2013
13	Alpysov A.P.	Economic problems and management in dairy cattle breeding	DAZ German agrarian center (Chaglinka)	07.10. - 09.10. 2013
14	Omarkhanov S.Sh.	Fodder harvesting equipment and forage production	DAZ German agrarian center (Chaglinka)	15-19.04. 2013
15	Eseneev T.K.	Equipment and technology of exact agriculture	DAZ German agrarian center (Chaglinka)	23-27.04. 2012
16	Dubinets I.M., Kalin A.K., Kazhenov S.G., Abdrakhmanova S.T., Uzbergenova S.Zh.	ScienceDirect Scopus courses (ELSEVIER)	Sh. Ualikhanov Kokshetau state university	November 2014

The teaching staff of the department of "Engineering Technologies and Transport" has awards, honorary titles, certificates of honor for merits in the sphere of education in the Republic of Kazakhstan, among them: medals, awards, and letters of gratitude:

1. Candidate of technical sciences Eszhanov G. S. – Award of merit dedicated to 50th anniversary of Sh. Ualikhanov Kokshetau state university, 2013.

2. Candidate of technical sciences Poddubny A.A. - Honorable educator, medal "20 years of independence of the Republic of Kazakhstan", award of merit, the Ministry of Education and Science, 2014, the letter of thanks signed by the President of Kazakhstan.

3. Doctor of technical sciences Nurmagambetov Zh.O. – Award of merit, the Ministry of Education and Science of the RK.

4. Doctor of technical sciences Eseneev T.K - "Diploma" of the International Academy of science, 2002. In 2006 the Ministry of Education and Science of the RK gave him the rank "The honored worker of science in the RK" for a considerable contribution to development of science in Kazakhstan. In 2014 he was awarded the "Certificate of honor" signed by the Akim of Akmolinskaya oblast S. V. Kulagin. In 2014 he was awarded the "Certificate of honor" signed by the former rector of Sh. Ualikhanov Kokshetau state university Elyubayev S.Z.

Annually teachers of the department take various advanced training courses, for example:

- March, 2015. Courses "AUTOcad" – Kalin A.K., Nikitina M. V., Kabdullina A.T.;

- January, 2015 courses "Pedagogical skills: components, methods and technologies" - Uzbergenova S. Zh., Kalin A.K.

- November, 2014. Courses ScienceDirect Scopus (ELSEVIER) – Dubinets I.M., Kalin A.K, Kazhenov S.G., Abdrakhmanova S. T., Uzbergenova S. Zh.

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The head of the department is responsible for planning teachers' individual plans. Qualifications of teachers are taken into consideration when distributing the academic load for the year. The total amount of the load of a regular teacher working full-time includes educational and methodical work, research, social and organizational work, professional development courses, and other types of work. The working day lasts six hours. The annual load of the teaching staff at the departments is defined by the Academic council taking into consideration the approved standard for the academic year, the engaged teaching staff as well as the need to fulfil all the types of work according to the plans and curricula. The academic load is formed annually in accordance with the established norms of time and academic load for the year. This document (norms of time) determines the pedagogical load on different categories of teachers (professor, associate professor, senior teacher, teacher).

Fulfilment of all above-mentioned types of the planned work is reflected in the Individual plan of each teacher. Teachers at the departments carefully keep their individual documentation, fill in sections in their individual plans correctly and in due time, they also report on fulfillment of their individual plans at regular meetings. The corresponding conclusions on the fulfilment of individual plans are made; reasons of failing to fulfil some sections in the individual plan are also analyzed.

Fulfilment of all the sections in the individual plan is traced monthly. At department meetings teachers report on the fulfilment of their individual plans. In case of failing to do something in the plan in due time this teacher explains the reason of this failure. The head of the department may put off the fulfilment of this task to a later date. At the end of the academic year the teacher writes the annual report on the fulfilment of the individual plan which is the result of his / her work. At the end of the academic year the head of the department writes the conclusion on the work of the teacher for the academic year in the individual plan.

At the university functions the system that allows giving some off-budget extra charge to a salary of teachers and staff. When calculating this extra charge all the range of activities of the teacher is taken into consideration. This raise in salary is considered to be a rather serious factor of motivation in work. During reelections for the new term of work the achieved results of teachers are also considered. Annually different competitions among teachers are held: "The best teacher", "The best trainer", etc. Names of the best teachers are in the honor list, they are awarded certificates of honor, monetary awards; appropriate records of their achievements are made in their work record cards.

Dosumbekov E.K. - L.N.Gumilyov Eurasian National University. Thesis: "Design of intelligent reconfigurable blocks on the basis of a method of the automated synthesis of hardware structures".

Research advisor: Doctor of technical sciences, Professor Sadykov A.A. (L.N.Gumilyov Eurasian National University)

Esengaliyeva Zh. S. - Al-Farabi Kazakh National University.

"Methods and mathematical models of scientific and innovative projects", the defense took place on June 30, 2014.

The teaching staff of the department takes active part in scientific seminars of the international level: Russia, Great Britain, Czech Republic, Poland, and Bulgaria.

In 2012 senior teachers of the department Baklkhazova U.U., Muradilova G. S. took part in the work of seminars "Enhancing Learning and Teaching in Higher Education" held in Newcastle University, Newcastle Upon Tyne (Great Britain) since 3 to 14 December, 2012.

Senior teacher Baklkhazova U.U. took a training course in Great Britain, Brunel University from 10.08. 2013 to 30.07.2014 (Bolashak Program).

Senior teachers Saginbayeva K.K., Fomicheva T.A., Glok E.S., Makatova A.E. took professional training courses at Sh. Ualikhanov Kokshetau state university on the theme: "Pedagogical skills: components, methods and technologies", January 8-15, 2015.

Students of the specialty take active part in programs of academic mobility: Mukanova A. - 3rd course, S. Toraighyrov State Pavlodar University; Klimenko M. - 3rd course, the Baltic

International Academy (Riga, Latvia), Esen A., Baigozha. Zh., Shukenov A. - Czech technical university.

In their work the teaching staff and other members of the department follow the Code of honor of teachers and employees of Sh. Ualikhanov state university, observe corporate culture essential in higher education institutions, and demonstrate ethical behavior.

Annually teachers of the department take various advanced training courses: the teaching staff takes active part in scientific international seminars in Russia, Great Britain, Czech Republic, Poland, Bulgaria. Thus Muradilova G. S., Baklkhazova U.U. participated in the seminar "Enhancing Learning and Teaching in Higher Education (ELTHE)" that was held in Newcastle University (Great Britain). Baklkhazova U.U. took the professional training course (Bolashak Program) in the University Brunel, London (Great Britain).

From 2011 to 2015 teachers of the department of "Engineering Technologies and Transport" published 54 scientific articles and scientific theses. 14 of them were published in scientific magazines, 40 articles were published in collections of conferences.

Results of scientific researches of teachers are reflected in scientific articles, magazines, presented at scientific conferences of various levels.

Number of scientific publications of the teaching staff

	Department	2012-13	2013-14	2014-15	2015-16
International scientific magazines Tomson…	«Information systems and computer facilities»		1	1	
	«Engineering technologies and transport»			1	
	Production technology of livestock products		1		2
High-rating magazines (RINTs, etc.)	Production technology of livestock products				
Magazines recommended by the Committee of control in the sphere of education and Science, the Ministry of Education and Science of the RK	«Information systems and computer facilities»		1	1	
	«Engineering technologies and transport»				
	Production technology of livestock products	2			
Foreign Magazines (CIS countries, foreign countries)	«Information systems and computer facilities»	4	3	1	
	«Engineering technologies and transport»		2	1	
	Production technology of livestock products	1	1	1	3
International conferences	«Information systems and computer facilities»	24	13		
	«Engineering technologies and transport»	10	15	11	
	Production technology of livestock products	5	4	4	1

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Monographs	«Information systems and computer facilities»				
	«Engineering technologies and transport»				
	Production technology of livestock products				2
Teaching manuals	«Information systems and computer facilities»	3	6	13	
	«Engineering technologies and transport»		1	2	
	Production technology of livestock products		1	4	
Electronic books (teaching manuals)	«Information systems and computer facilities»	14	18	16	
	«Engineering technologies and transport»	10	11	15	
	Production technology of livestock products	6	6		
Total					
		79	85	71	8

The moral and psychological climate at the departments can be characterized as stable, the teaching staff fulfils their duties with creativity. Labor discipline is maintained.

The questioning of the teaching staff carried out by the ECE during their visit showed the following results:
- the university management encourages innovative activity of the teaching staff, answered as "very good" – 34,2%, "good" – 61,6%;
- the feedback between the teaching staff and the university management, "very good" – 34,2%, "good" – 58,9%;
- the university gives opportunities to the staff for continuous development of their potential, "very good" – 43,8%, "good" – 50,7%;
- the teaching staff of the university estimates support and participation of the university management in their researches, "very good" – 38,4%, "good" – 52.1%;

Thus after the meetings, discussions and interviews with the vice-rectors, the deans, the heads of the chairs, the heads and other members of different structural departments, the faculty members, representatives of employers and graduates, and also having carried out questioning with students and the faculty, the ECE received a detailed information about the educational infrastructure of the university, material, information and methodical resources. Thus they give the following conclusions.

Strengths of the educational programs:
- the systematic assessment of teachers' competences;
- free access to the university management and heads.

Weaknesses of the educational programs:
- not sufficient application of innovations and IT in the educational process;
- lack in involvement of foreign and domestic teachers, joint researches;
- not sufficient academic mobility of the teaching staff.

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For further development and improvement of the university activity in the implementation of the accredited educational programs the ECE **recommends:**

- to continue work and attract more professional experts for delivering lectures and carrying out practical training;

- to develop more researches and introduce the results of these scientific researches in the educational process;

- to develop the academic mobility, to involve and invite the best foreign and domestic teachers, to carry out joint researches aimed at improving and implementing the accredited educational programs;

- to attract and collaborate with famous scientists, public figures, politicians with the aim to realize and develop the educational programs.

Thus regarding the standard "*The Teaching Staff and Efficiency of Teaching*" the accredited educational programs have 5 strong positions, 13 satisfactory positions and 4 positions that require some improvements.

4.6. Standard «Educational resources and support of students»

During their work the Commission made sure of sufficiency of the material base for maintenance of the educational process and realization of the mission, the purposes and tasks of the university. The university has the modern level of the material base, resources for providing high-quality educational services.

The university has the site (http://www.kgu.kz/), the e-mail address – mail@kgu.kz , kgu@mail.kz. On the site there is all the official information on the university and the block of useful links (http://platonus.kgu.kz AIS "Platonus", "Moodle" http://moodle .kgu.kz/, the electronic library www.biblioteka.kgu.kz). The information on the site is daily renewed and updated.

There are sections with the information for teachers, students, undergraduates, graduates, university entrants and school students. There is actual and objective information about the teaching staff of the university. For immediate informing of the people the university uses the corporate e-mail in the domain kgu.kz.

At the university and at the departments there are all the material and information resources providing the high level of the organization of the educational process. Students of the accredited educational programs have their classes in the educational building No. 1 where there are all the necessary classrooms equipped with interactive tools and equipment. There are 17 educational audiences, 4 computer classes, 2 multimedia offices, 3 educational physics laboratories, a scientific and methodical office of the laboratory for "Didactics of the higher and high school", the nuclear magnetic resonance scientific laboratory of spectroscopy, a gym with a total area of 152 sq.m. Specialized equipment and furniture are regularly renewed. In 2013-2014 the department of Physics and mathematics received the educational equipment on electricity, and in 2014-2015 they acquired the required furniture for the laboratory of "Optics and electricity". In 2013-2014 the department of informatics updated 35 computers, and in 2014-2015 they bought 15 graphic tablets, 2 interactive boards. The used total educational area completely corresponds to standard indicators, norms of a public health and fire service. There are conclusions of the public health epidemiological service and the fire service.

In the university the training and educational environment reflects the specifics of the educational programs. In general, the material and information resources of the educational programs 5B070400 – "Computer facilities and the software", 5B071200 – "Mechanical engineering", 5B071300 – "Transport, transport equipment and technologies", 5B080200 – "Production technology of livestock products" conform to the license requirements. The

development of the resource base and updating of the library fund are carried out in compliance with the normative documents.

Fund of educational and scientific literature

Code of specialty	In Kazakh (quantity)	In Russian (quantity)
5B070400 - «Computer facilities and software»	9257	7000
5B071300 «Transport, transport equipment and technologies»	3451	6071
5B071200 – "Mechanical engineering"	3688	3251
5B080200 – "Production technology of livestock products"	2005	3853
Total	**18401**	**20175**

The library fund for all the disciplines of the accredited educational programs makes 100%. The fund of educational, methodical and scientific literature in relation to the given contingent of students meets the required standards of the library fund.

The electronic library of the university includes: the electronic academic manuals for students, the university academic curriculum, educational and methodical manuals, additional materials and resources, materials on practical training, electronic versions of some textbooks, scripts of lectures, tests for self-control, materials for students' individual work, etc.

The library complex includes 2 divisions, 6 reading rooms with 350 seats with a total area of 698 sq.m; 2 electronic reading rooms equipped with computers which have an access to the local network and Internet connection. The library is equipped with 25 computers of new modification, 4 scanners, and 7 printers. There is an opportunity to exchange and receive information from domestic and foreign higher education institutions, libraries and other organizations through e-mail and INTERNET network. The library is connected to a corporate network of the university. The university has an access to external educational resources, i.e. to the following databases:

– KAZNEB (Kazakh national electronic library, electronic state national fund). Languages - Kazakh, Russian, English; (agreement dated April, 20, 2012)

– RIELK (РМЭБ) (the Republican cross-university electronic library of Kazakhstan) – the uniform database uniting electronic resources of Higher education institutions of the Republic of Kazakhstan; (the contract dated April, 5, 2011)

– Polpred.Polpred.com The review of mass media, the university also has an access to the POLPRED database.COM where the review of mass media is submitted: articles, publications, analytical reviews;

– English-speaking sites: databases of electronic resources of the THOMSON REUTERS companies. (the contract dated January, 6, 2012)

- Springerlink (agreement dated December, 6, 2011)

The scientific library named after Sh. Ualikhanov – is the member of the Association of high school libraries of the RK. Besides, the library has an access to free foreign databases: ACL Anthology, ArXiv, Biodiversity Heritage Library, BioMed Central, BioOne, Child Welfare Information Gateway, Clinical Trials, Cogprints, Database of Research on International Education, Directory of Open Access Journals, EDINA, Encyclopædia Iranica, Espacenet - European Patent database, Highwire, Hindawi Open Access Journals, Internet Engineering Task Force, Internet Scout Report, Intute, Mathematics Subject Classification.

The university has 80 computers in 6 computer classes, 2 multimedia offices equipped with the modern computer equipment and connected to the Internet. Computer classes are used for carrying out testing of students during the examination sessions. Connection to the Internet is carried out on the allocated channel with a capacity of 20 Mbps. In the work of the corporate

network wireless, fiber-optical and Wi-Fi technologies are used. Free access to the Internet allows using on – line resources in the educational process.

The expertise of the results of scientific researches, graduations papers, masters' theses is carried out through the Antiplagiat Internet service; the contract with the JSC Anti-Plagiat is signed.

The Department of science and commercialization of technologies of the university registers the rights for the works protected by copyright. This work is carried out in accordance with the requirements of the Instruction concerning the rights for the works protected by copyright (dated April 22, 2010 for No. 131 "On some questions of copyright and allied rights"). On the accredited educational programs patents and certificates on copyright of the computer programs are issued. Teaching manuals are given in the table of the report.

AIS "Platonus" provides technological support of students and the teaching staff. Students have access to training materials and tasks through the personified interactive resources (available also after classes). It is also possible to take a trial self-assessment test through the remote access to the site of the university.

Questioning of students carried out by the ECE during their visit showed the following results:

–71,3% of students – completely satisfied with availability of library resources, partially satisfied – 25% of students;

- 75 % of students completely satisfied with the existing educational resources of the university; partially satisfied – 18,8% of students;

- 60 % of students completely satisfied with the Internet resources and access to computer classes; partially satisfied – 27,5% of students.

Thus after the meetings, discussions and interviews with the vice-rectors, the deans, the heads of the chairs, the heads and other members of different structural departments, the faculty members, representatives of employers and graduates, and also having carried out questioning with students and the faculty, the ECE received a detailed information about the educational infrastructure of the university, material, information and methodical resources. Thus they give the following conclusions:

Strengths of the educational programs:
- actual information and educational environment for the teaching staff and students;
- access to resources of library, specialized classrooms;
- personified interactive resources (with possible access after classes), possibility to take a trial self-assessment test through the remote access to a portal (site) of the university;
- free access to educational Internet resources, free WI-FI on the territory of the university.

Weaknesses of the educational programs:
- Insufficient number of educational, methodical and scientific literature on the disciplines of the educational programs in the state language (Kazakh);

For further development and improvement of the university activity in the implementation of the accredited educational programs the ECE **recommends:**
- to improve system of providing the departments with the interactive equipment;
- it is necessary to develop programs of development of educational and scientific laboratories and to create conditions for development of research teams with the involvement of various enterprises;
- to update the educational process with modern software products and enrich the library fund of the university, purchase more literature in the state language (Kazakh) in accordance with modern requirements and needs.

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Thus regarding the standard "*Educational resources and support of students*" the accredited educational programs have 10 strong positions, 13 satisfactory positions and 2 positions that require some improvements.

4.7. Standard «Management of information and reporting»

At the university there are tools for managing information. Information is collected and analyzed with the purpose to assess the productivity of activities, fulfillment of the mission, aims, tasks and opportunities for continuous improvement of the rendered services.

The university regularly carries out roundtable discussions with employers, interviews and questions students, graduates of the specialty, the teaching staff, collects information concerning the needs of all the participants of the educational process. Opinions and wishes of all the parties are considered in the development of educational programs.

Platonus database is the information resource which represents the program created for maintenance of such processes as assessment of students' knowledge within the rating system, organization of examinations by computer testing, control of students' knowledge, filling of the electronic database with students' grades and accomplishments.

In 2014 the system of electronic document flow "Alfresco" began to function. It is intended to solve various tasks of automated management of projects, including work with documents (orders, strategies, plans, office letters, different types of statements), control of the discipline, stocking all the documents in archives. Another important aim of the system is the organization of the working time and increase of its efficiency.

The Scientific library uses the Kazakh automated library and information program (KABIS). This tool serves for automatization of the main library processes and creation of the electronic catalog of the library fund as well as for saving the full text database. The new site of the scientific library was developed and started to function (http://biblioteka.kgu.kz)

The assessment of productivity and efficiency in the realization of the educational programs is carried out on the basis of the following aspects: the analysis of students' contingent and dynamics for the growth, the level of students' progress, achievements of students, employment of graduates. All these aspects define opportunities for improvement and better quality of the educational programs.

The ECE confirms the existence of the internal information and educational portal, the extensive corporate network allowing to give access to all information resources from any computer and provide all the required conditions for high-quality training of specialists and development of the teaching staff.

According to the work plan of the departments all the teachers should attend classes of each other within the academic year in order to interchange and share their experience with colleagues. These mutual visits are carried out in accordance with the schedule and are fixed in the corresponding department document.

In general the information on the work of the Department of Information systems and computer facilities, and the department of "Engineering technologies and transport" is reflected in semi-annual and annual reports on the educational and methodical work of the teaching staff. These reports include the analysis of the individual work of each teacher in such spheres as: educational and methodical work, international cooperation, academic mobility, publication of scientific works and articles.

The monitoring among students aimed to define the level of their contentment with the implementation of the educational programs is carried out. This monitoring is aimed at improving the quality of education, students' training and developing the educational programs.

The IAAR experts and the ECE underline that the university makes use of modern information technologies, communication technologies and software with the purpose to manage information adequately.

Thus after the meetings, discussions and interviews with the rector, vice-rectors, the deans, the heads of the departments, the heads and other members of different structural departments, the faculty members, representatives of employers and graduates, and also having analyzed questionnaires of students and the teaching staff, the ECE and the IAAR experts received a detailed information about the educational infrastructure of the university, material, information and methodical resources. Thus they made the following conclusions.

Strengths of the educational programs:
- Systematic assessment of productivity and efficiency in the realization of the educational programs on the basis of the information analysis;
- Involvement of students, employees and the teaching staff in such processes as collecting and analysis of information; decision-making on the basis of this information;
For further development and improvement of the university activity in the implementation of the accredited educational programs the ECE **recommends:**
- to improve the system of productivity and efficiency assessment in the realization of the educational programs with the aim to define opportunities for improvement and better quality of educational programs on the basis of the information analysis;
- to develop the mechanism of risk assessment in the development of educational programs in order to form alternative ways and reduce such risks;
- to work out measures for receiving documentary consent of the teaching staff to process their personal information.

Thus regarding the standard "Management of information and reporting" the accredited educational programs have 11 strong positions and 9 satisfactory positions.

4.8. Standard «Public relations»

Information about the work of the University and realization of the educational programs is available on the official website of the University http://www.kgu.kz in accordance with the Provision on the official site of "Sh. Ualikhanov Kokshetau State University".

Formation of the positive attitude of the public to the university is carried out by means of the following tools: regular updating of the site of the university; functioning of the Museum of the University. The university organizes and holds traditional meetings which are aimed at introducing the university far beyond its walls such as: Open Days, Days of first-year students, Fair of vacancies, etc.). There is a monthly published newspaper "Alau".

The objective information about the functioning and peculiarities of the educational programs includes the following aspects: the system of support for students and the teaching staff (assistance connected with providing information and communication, support in publishing educational, methodical and scientific materials, social support, etc.). Parents of most successful and distinguished students receive letters of gratitude. The most distinguished students are recommended for participation in different republican and international events and competitions.

One possible way to communicate one's complaints or suggestions is to post them in the personal blog of the Rector, which any person can find on the main page of the university site. Moreover the site of the university contains information about heads of the departments, their e-mails and anyone interested can ask a question and receive a detailed answer.

Sh. Ualikhanov Kokshetau state university has strong social partnership with public organizations and authorities of the region (the election commission, the council of veterans, and others). Within the university the following organizations are functioning: the Council of Students, the Association of graduates, and the trade-union organization of employees. The trade-union organization has been functioning and protecting the rights and interests of employees for more than 50 years.

Satisfaction of interested persons as the received information and in its completeness is investigated by means of the analysis of questionnaires for trained and PPS.

In order to assess the contentment of the students and the teaching staff with the quality of the received information various questionnaires are distributed and then analyzed.

Thus after the meetings, discussions and interviews with the rector, vice-rectors, the deans, the heads of the departments, the heads and other members of different structural departments, the faculty members, representatives of employers and graduates, and also having analyzed questionnaires of students and the teaching staff, the ECE and the IAAR experts received a detailed information about the educational infrastructure of the university, its material, information and methodical resources. Thus they made the following conclusions.

Strengths of the educational programs:

- Various ways for distribution of information, including information networks for informing the public and all the interested persons;
- Educational programs are submitted for various procedures of external assessment, including ratings and ranging of educational programs.

For further development and improvement of the university activity in the implementation of the accredited educational programs the ECE **recommends:**
- to pay more attention to publication of the information concerning the results of the external assessment of the educational programs on the official site of the university;
- to pass through as many ranging, rating, external assessment procedures as possible.

Thus regarding the standard "Public relations" the accredited educational programs have 6 strong positions and 5 satisfactory positions.

4.9. Standard «Standards concerning separate specialties»

The development of the educational programs 5B070400 - Computer facilities and the software, 5B071200 - Mechanical engineering, 5B071300 - Transport, transport equipment and technologies, 5B080200 – "Production technology of livestock products" is aimed at acquiring all the necessary theoretical and practical skills by graduates.

In the process of acquiring knowledge within the frameworks of the educational programs students are taught actual aspects in the fields of pedagogics and psychology. According to the basic competences presented in the educational programs students master their communicative skills, analysis of personality and behavior, prevention and solution of conflicts.

The results of teaching within the educational programs are the following: formation of competences relevant at the labor market; professional activity aimed at psychological and pedagogical trends in the educational process; personal, professional and social development of students, promotion of socialization, formation of the general culture of the personality. Training of competent highly qualified, polylingual specialists is conducted with the help of the following educational programs: 5B070400 - Computer facilities and the software, 5B071200 - Mechanical engineering, 5B071300 - Transport, transport equipment and technologies, 5B080200 – the Production technology of livestock products.

Special emphasis is made on different types of practical training and teaching, the aim of which is to help students better understand peculiarities of their future practical work in the chosen specialty. Main bases of professional practical training: Softmaster LLP, JSC NIT, Kokshetau, Akmolinsky regional branch of the JSC "State TV and Radio Broadcasting Company Kazakhstan", Kokshetautranstelekom branch, JSC "Tynys".

The disciplines included in the academic curriculum are based on the materials of earlier studied subjects. The current state of preparation within the educational program is supported by

active use of ICT, annual updating of the themes of diploma papers, as well as introduction of new elective disciplines taking into account the recommendations of employers.

One of the priority directions in Sh. Ualikhanov Kokshetau state university is the development of interactive, information and communication technologies (ICT). For conducting classes, doing individual work, preparing diploma papers there are specially equipped classrooms in which different training, modeling, testing computer programs, packages of professional applied programs are installed.

According to the development plan of the educational programs 5B070400 – "Computer facilities and the software", 5B071200 – "Mechanical engineering", 5B071300 – "Transport, transport equipment and technologies", 5B080200 – "Production technology of livestock products" in 2015 the themes of diploma papers are aimed at solving tasks essential for the university. Thus the following program modules were developed: AIS Platonus, the program module for students' attendance registration, the Testing system (Mukanov E.), anti-plagiarism program (Mukharsky D), the automated rating system for the teaching staff (Mukanov E, Anokhina T.).

The teaching staff of the departments is rather stable; they have awards, honorary titles, medals, certificates of honor for merits in the field of education of the RK. 75% of teachers work at the department from the time when the specialties 5B070400 - Computer facilities and the software, 5B071200 - Mechanical engineering, 5B071300 - Transport, transport equipment and technologies, 5B080200 – "Production technology of livestock products" were open.

The implementation of the educational programs is conducted by teachers of different age groups: skilled, with great scientific and pedagogical experience. Among them – the candidate of technical sciences, associate professor Khan S. I., the candidate of pedagogical sciences Damekova S. K., senior lecturer Muradilova G. S., senior lecturer Balgabayeva R. N., Baklkhazova R. N., Musabekov Zh.S., Dosumbekov E.K., Esengaliyeva Zh.S., the candidate of technical sciences Eszhanov G.S., the candidate of technical sciences Poddubny A.A., the doctor of technical sciences Nurmagambetov Zh.O.

The department effectively supports young teachers. Last year one teacher of the Department of the Information systems and computer facilities became a postgraduate student. Annually teachers of the department take various advanced professional training courses in the foreign and neighboring countries.

The content of special disciplines of the educational programs 5B070400 – "Computer facilities and the software", 5B071200 – "Mechanical engineering", 5B071300 – "Transport, transport equipment and technologies", 5B080200 – "the Production technology of livestock products" are based on fundamental sciences; the interrelation between the disciplines is reflected in the catalog of elective disciplines.

Teaching is based on modern achievements in the world science and practice as well as with the use of advanced methods and technologies of teaching such as: the method of contextual learning, problem-based learning, critical thinking, teaching trainings, business games, etc. Information and communication technologies and other modern educational technologies are widely used in teaching.

In their reviews employers state that graduates of the educational program possess and demonstrate the following professional competencies: developed professional competencies (knowledge of the fundamentals of physics, mathematics, computer science, methodology of teaching all these subjects, desire to organize the educational process with the use of modern educational methods and technologies, skills and abilities in professional and interpersonal communication).

Thus after the meetings, discussions and interviews with the rector, vice-rectors, the deans, the heads of the departments, the heads and other members of different structural departments, the faculty members, representatives of employers and graduates, and also having analyzed questionnaires of students and the teaching staff, the ECE and the IAAR experts

received a detailed information about the educational infrastructure of the university, its material, information and methodical resources. Thus they made the following conclusions.

Strengths of the educational programs:

- close interaction of practical and theoretical knowledge. Students and undergraduates are focused to fulfil independent professional activity;

- it helps to develop important skills in political work, experience, exchange of experience;

- it helps to increase one's professional qualities, introduce new advanced techniques in scientific organization of work.

For further development and improvement of the university activity in the implementation of the accredited educational programs the ECE **recommends:**

- to expand possibilities for students to have practical training outside the oblast or even far beyond the country.

Thus regarding the "Standards concerning separate specialties" the accredited educational programs have 3 strong positions.

RECOMMENDATIONS

of the IAAR ECE concerning the following educational programs:
5B070400 "Computer facilities and the software",
5B071200 "Mechanical engineering",
5B071300 "Transport, transport equipment and technologies"
5B080200 "The production technology of livestock products"

*Standard «*Management of an Educational Program*»*

- to carry out the analysis of compliance of the development plan of educational programs with the current Strategy of development of the university and on the basis of the obtained data to improve the development plans of the accredited educational programs, to speed up the work on the analysis of the success of realization of the educational programs with the introduction of subsequent correction actions;

- to further build cooperation with the domestic and foreign higher education institutions with similar educational programs.

Standard «Development and adoption of educational programs"

- to organize mutual work with the leading foreign and Kazakhstani higher education institutions on realization of joint educational programs.

- to speed up work aimed at inviting more research organizations in Kazakhstan to participate in educational processes.

- to provide opportunities for students to continue their education (educational programs of a magistracy and additional education).

Standard "Student-oriented training, teaching, assessment"

- to improve the automated control system of management and regulation of educational process at the level of a local computer network;

- to intensify work and improve the system of alternative and innovative technologies in the priority-oriented spheres of fundamental and applied – technical, technological scientific researches.

Standard «Students»

- to attract and engage more students in scientific and research work, to develop mechanisms and the program for support of talented and gifted students.

- it is necessary to provide possibilities for professional certification of students during their studies at the university;

Standard "The Teaching Staff and Efficiency of Teaching"

- to develop more researches and introduce the results of these scientific researches in the educational process;

- to develop the academic mobility, to involve and invite the best foreign and domestic teachers, to carry out joint researches while implementing the accredited educational programs;

- it is important to encourage the teaching staff to publish the results of their scientific research in rating magazines from the databases of "Thomson Reuters", "Scopus", from the list of magazines recommended by the HCC (Highest Certifying Commission) of the Russian Federation.

Standard «Educational resources and support of students»

- to improve system of providing the departments with the interactive equipment;
- it is necessary to develop programs of development of educational and scientific laboratories and to create conditions for development of research teams with the involvement of various enterprises;
- to update the educational process with modern software products and enrich the library fund of the university, purchase more literature in the state language (Kazakh) in accordance with modern requirements and needs.

Standard «Management of information and reporting»

- to improve the system of productivity and efficiency assessment in the realization of the educational programs with the aim to define opportunities for improvement and better quality of educational programs on the basis of the information analysis;
- to develop the mechanism of risk assessment in the development of educational programs in order to form alternative ways and reduce such risks;
- to work out measures for receiving documentary consent of the teaching staff to process their personal information.

Standard «Public relations»

- to pay more attention to publication of the information concerning the results of the external assessment of the educational programs on the official site of the university;
- to pass through as many ranging, rating, external assessment procedures as possible.

Standard «Standards concerning separate specialties»

- to expand possibilities for students to have practical training outside the oblast or even far beyond the country.