

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING



**Independent agency for
accreditation and rating**

REPORT

**ON THE RESULTS OF THE EXTERNAL EXPERT COMMITTEE
TO ASSESS THE EDUCATIONAL PROGRAMS**

6M070100 «BIOTECHNOLOGY»

**OF THE NORTH KAZAKHSTAN STATE UNIVERSITY NAMED AFTER M.
KOZYBAYEV
FOR COMPLIANCE WITH STANDARDS OF SPECIALIZED ACCREDITATION**

FROM 15 TILL 17 JUNE 2015

Petropavlovsk, 2015

In accordance with the order №16-15-OD from 08.06.2015 of the Independent Agency for Accreditation and Rating in the period from 15 till 17 June 2015 the external expert committee (EEC) has conducted a conformance assessment of educational programs on the following cluster in NKSU named after M.Kozybayev:

1 cluster – 5B050900 Finance, 5B050800 Accounting and audit, 5B050600 Economics, 6M050600 Economics;

2 cluster – 5B030100 Jurisprudence, 6M030100 Jurisprudence;

3 cluster – 5B072900 Civil engineering, 5B042100 Design;

4 cluster – 5B071300 transport, transport technique and technology;

5 cluster – 6M070100 Biotechnology.

The report of the external expert committee (EEC) consists of an assessment the activity of the education organization for criteria of IAAR, recommendations of EEC on the further develop to further improvement the activity and settings of the specialized profile of the North Kazakhstan State University named after M. Kozybayev.

Group of EEC:

1. **Chairman of committee** – Sakhanova Ardak Nauryzbayevna, Doctor of Economics Sciences, Vice-rector for the strategic development of Kazakh Ablai Khan University of International Relations and World Languages (Almaty).

2. **Foreign expert** – Brigita Baltaca, Associated Professor of Bank High School of Business and Finance (Riga, Latvia).

3. **Expert** – Karsybaev Erzhan Ertaevich, Doctor of Technical Sciences, Professor of the department “Lift-and-carry machines and hydraulics”. K.I.Satpaev Kazakh national technical university (Almaty).

4. **Expert** – Vidisheva Galina Gennadyevna, Candidate of technical sciences, the Head of Registrar office, D.Serikbayev West Kazakhstan state technical university (Ust-Kamenogorsk).

5. **Expert** – Eshzhanov Talgat Esmakhanbetovich, PhD, acting Associate Professor of the department of biotechnology and microbiology of the Natural sciences faculty of L.N.Gumilev Eurasian national university (Astana).

6. **Expert** – Bodikov Seytolla Zhamauovich, senior teacher of the department of Arts, deputy dean for educational work, the member of Designers' union of the RK, the member of the Eurasian union of designers, E.A.Buketov Karaganda State University (Karaganda).

7. **Expert** – Mutallyapova Shynar Eleusizovna, Candidate of Economics Sciences, Associate Professor of the department of Marketing and service of S.Seyfullin KazATU (Astana).

8. **Expert** – Zharkenova Svetlana Bakhytovna, Candidate of Juridical Sciences, Associate Professor, acting head of the department of “City law disciplines” of L.N.Gumilev Eurasian national university (Astana).

9. **Expert** – Seydakhmetova Sholpan Ganievna, jurist (Almaty).

10. **Employer** – Aubakirov Bulatbek Askarovich, director of LLP “Auditor agency “Alias-TU”, the member of the auditors chamber of the RK (Petropavlovsk).

11. **Student** – Adilbekova Aksaulesh Adilbekkyzy, a 3 year student of L.N.Gumilev Eurasian national university (Astana);

12. **Observer from the agency** - Kanapyanov Timur Erbolatovich, head of International projects of the Agency (Astana).

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Independent Agency for Accreditation and Rating

1. Presentation of the North Kazakhstan State University named after M. Kozybayev

Modern North Kazakhstan State University named after M. Kozybayev formed on the basis of the decision of Council of National Commissioner of the Kazakh SRU from 19 March 1937 as “Petrovsk Pedagogical Institute”. In 1939 Petrovsk Pedagogical Institute was awarded the status of the state. In 1955 it was transformed into the Pedagogical Institute by the order of the Council of Ministers of USSR.

In 1994 the North Kazakhstan University was opened on the basis of Petrovsk Pedagogical Institute. North Kazakhstan State University was awarded the status of the state university by the resolution № 163 from 31 January 2001 of the Government of the Republic of Kazakhstan.

North Kazakhstan State University was named by academician Manash Kozybayev by the resolution № 497 from 30 May 2003 of the Government of the Republic of Kazakhstan.

In 2012 the university was reorganized by transforming the Republican state enterprise on the right of economic management North Kazakhstan State University named after Manash Kozybayev.

The realization and development of accredited educational programs are defined, first, by the vision, mission and strategy of NKSU named after M. Kozybayev. The mission of NKSU named after M. Kozybayev is to form a highly qualified and socially successful personality capable of solving strategically important tasks of the North Kazakhstan region and republic development on the whole. The staff of the university is aimed at developing a unified scientific-innovative, information-analytical, socially oriented environment contributing to the integration of the university into the world educational space, while keeping of existing values and tradition.

Vision. As a result of the strategic directions the university will be a modern research university of innovative type, leading multidisciplinary universities, which has an effective management system, which implements educational programs on demand in the region areas, carrying out high-quality training and research, in demand in Kazakhstan and the international labor market.

Basic guidelines for the development of training areas of the university are defined in the Development Strategy of NKSU named after M. Kozybayev till 2020 and Development Plan of NKSU named after M. Kozybayev for 2012-2015 (plan for the implementation of the Development Strategy).

To develop the strategic documents the staff of the university evaluates the uniqueness of the university to meet the needs of stakeholders and market niches, as well as forward-looking analysis of the market of educational services development.

The University operates on the basis of the relevant license (№ 12016901 issued KKSON MES, 19.11.2012.) within the national educational system in accordance with the legislation of the Republic of Kazakhstan. Ownership: The Republican State Enterprise on the right of economic management.

The University provides the training for 50 Bachelor’s professional educational programs; 25 Master’s educational programs; 4 PhD educational programs.

The contingent of students on educational programs: Bachelor - 3975, Master - 102, PhD - 2.

The University’s structure consists of 5 faculties, Institute of Language and Literature, 26 departments, including the military department, 42 subdivisions. The University’s infrastructure includes 9 educational buildings, Astrophysical Observatory, swimming pool, training and production complex "Miras", agrobiostation and 4 hostels.

The educational process is provided by highly qualified teaching staff in the amount of 386 people, of whom 330 (85%) are staff teachers, 13 of them are doctors, 149 candidates of sciences, 6 masters of sports.

There are 63 SSU, 6 scientific schools in the HEI. The university carries 10 scientific

papers in the amount of 48,347,784 tenge, including 4 on the basis of economic contracts.

The University signed 66 operating contracts on cooperation with foreign universities, 8 – about the cooperation with international organizations, 43 – about the cooperation in the provision of educational services with the universities of Kazakhstan, 17 contracts of the creative and scientific cooperation with scientific and educational organizations of Kazakhstan.

There are 63 SSU, 6 scientific schools in the HEI. The university carries 10 scientific papers in the amount of 48,347,784 tenge, including 4 on the basis of economic contracts.

Since 2005 the university has developed, implemented and certified the quality management system.

In 2013 following the results of a pilot study QS World the University was in the five top of universities in Kazakhstan in the direction of preparation "Engineering and Technology".

According to the results of the rating of the National accreditation center of MES RK in 2011 two specialties took leading places, in 2012 - 2 specialties, in 2013 - 2 specialties, and in 2014 - 14 specialties.

According to IAAR in 2014 the University was in the 20 top of the best universities and took the 12th place in the total number of prizes of educational programs. In 2015 the University was in the 40 top of the best universities of the Republic of Kazakhstan.

In 2013 the university had the international accreditation of three specialties in the German agency ASIIN: 5B071800 Electrical power engineering, 6M071800 Electrical power engineering, 5B071600 Instrument making. In February 2015 the same agency passed the procedure of accreditation of five specialties: 5B071900 Radioengineering, electronics and telecommunications, 6M071900 Radioengineering, electronics and telecommunications, 5B070300 Information Systems, 6M070300 Information Systems, 5B011100 Computer Science.

In 2014 the university had the institutional accreditation and accreditation of 34 specialties in the Independent Agency for Accreditation and Rating of the Republic of Kazakhstan.

According to the results of the international ranking Webometrics the university's site has risen from 46th to 20th place for three years among Kazakhstan universities. Today the site is in the 4th place among the universities of Kazakhstan on the number of files and information volume.

The total area of buildings and facilities of the University is 83,638.3 m², also the area of educational buildings is 63,352.7 m². The university created 7 research centers, 12 research laboratories, united in Science and Technology Park. There are 37 virtual teaching laboratories, 38 specialized rooms, 38 multimedia classrooms at the university. Classrooms and study rooms are equipped with the necessary technical and audiovisual multimedia learning tools.

The university has a health center, equipped with modern equipment and staffed by leading medical specialists.

The University has its own student television studio "Parasat", equipped with modern television equipment, a pavilion and editing room, which twice a week provides the transmission of its programs at the regional air in Kazakh and Russian languages. In the studio "Parasat" are also conducted educational lessons and practical training for the students of the specialty "Journalism".

It publishes its own newspaper "Parasat" a volume of 16 pages in Kazakh and Russian languages. The content of the newspaper is formed by editorial staff, which consists of students of the specialty "Journalism".

In order to comply with licensing requirements, as well as to improve the organization and reduce the cost of food for students and staff it was established the Complex of Students' meals in December 2014.

2. Description of the visit of EEC

EEC's activity is carried out on the basis of an agreed program of the specialized accreditation with the university of.

In order to assess the content of the provided self-report of the North Kazakhstan State University named after M. Kozybayev EEC met with the Rector, vice-rectors, deans of natural sciences and sports faculty, history, economic and law faculty, engineering-technical faculty; heads of departments "Economics, accounting and service", "Finance and credit", "Legal disciplines", "Building and design", "Transport and mechanical engineering", "Agriculture"; heads of subdivisions, teachers, students, graduates, employers and workers from the various departments. The meeting was attended by 220 people.

Table 1. Information about workers and students, attended the meetings with EEC

The participants' category	Number
Rector	1
Vice-rectors	4
Heads of subdivisions of the university	23
Deans of faculties	3
Heads of profiled departments	6
Teachers	56
Students	74
Graduates	32
Employers	21
Total	220

Activities planned during the visit of IAAR's EEC contributed in detailed acquaintance with the educational infrastructure of the university, material and technical resources, teaching staff, representatives of organizations of employers, students and graduates.

This allowed to the members of IAAR's EEC to carry out the independent assessment of compliance of the data contained in the reports of the self-evaluation of educational programs of the university, with the specialized accreditation standards criteria.

In order to obtain objective information on the assessment of the university's activities the members of EEC has used methods such as visual inspection, observation, meetings and conversations with the administration of the university, the deans, heads of departments, deans of faculties, teaching staff, students, graduates, employers, questionnaire of teachers and students.

Also in the framework of the EEC's work the experts have attended lesson "The presentation of research work" of teachers Bayazitova K.N. and Shyahmetova A.S., also they have listened reports of undergraduates of 1 year training such as Kiyanbekov K.H. and Balahmetova A.T. on the progress of scientific research.

Experts have visited places of practices of graduating departments of accredited EP: branch of the department of LLP "SevKazNIIZhR" in Beskol and agrobiological station (ABS).

3. General assessment of educational programs

Training on an accredited educational program (hereinafter - EP): 6M070100 Biotechnology is carried out by the department "Agriculture". The department is a subdivision of the Natural Sciences and Sport Faculty of NKSU named after M. Kozybayev.

Educational activities are carried out on the basis of license №12016901 from 19.11.2012., issued by the State Enterprise "Committee for Control of Education and Science". Training of undergraduates on the accredited is carried out in Russian on full-time training technology on the basis of higher professional education.

The educational program is designed in accordance with the SES base for their specialties, are consistent with the mission of the university and the relevant demands of employers. Providing quality educational services at the university, the adequacy of existing educational programs to modern requirements are at a sufficient level. The content of educational programs based on the normative legislative acts of RK, SES requirements and regulations of regulatory documents of MES.

Planning of the learning process is represented by the structure of related documents (model curricula, CED, the basic working curricula and individual educational plans of students, working curricula of specialties) and a set of different types of educational-methodical documentation. To implement an educational program the university has developed catalogs of elective courses, which describe the discipline component of choice with a brief indication of the content of pre- and post-requisites. CED is available for students in print and electronic media (information and educational system «Platonus», the dean's office, in the departments). The structure and content of working curricula meet SES specialty. The sequence of study subjects is built with the use of pre- and post-requisites. However, there is no plan for the development of the educational program.

The department critically approaches to the analysis of its activities: assess the strong and weak positions, defines the concept of education policy.

The management activities are actively implemented by information technologies: functioning educational portal and information site in three languages, an automated information-educational network «Platonus», designed to assess students' knowledge by testing method.

A material-technical base allows conducting the learning process in a level consistent with the requirements of state standards for higher education.

Accredited EP 6M070100 "Biotechnology" has the following positive aspects:

- modern material and technical base, a high level of material and technical equipment of the educational process;
- automation of the educational process (electronic document management, automation of the basic processes of drawing up staffing, teaching load, taking into account the contingent of students, etc.);
- automation of the control of knowledge and accounting of educational achievements of students;
- students have the opportunity to conduct research on the basis of NKSU laboratories, publication of research results;
- the department provides students the bases of practice, employment in the relevant enterprises and organizations;
- organization of educational process on the basis of credit technology;
- choice of studying elective subjects;
- introduction elective courses on the proposals of employers to the EP;
- cooperation with potential employers during the training process, a survey of employers to identify their opinions on the quality of educational services;
- presence of bases and practices of students on the basis of a branch of the department LLP "SevKazNIIZhiR" and agro-biological station (ABS);
- operation of an electronic library with unlimited access to the library resources;
- availability of Wi-Fi network with Internet access

Planning, forecasting, management and implementation of the educational program department carries out in accordance with the long-term plans of development and the work plan approved for each academic year. The range of issues to be discussed at the meeting of the department covers the main directions of their activities. Analysis of work plans and minutes of meetings show that the issues correspond to current EP objectives and decisions contribute to improving the training of undergraduates and sustainable development of the university

4. Compliance with standards for specialized accreditation

4.1 Standard «Education Program Management»

Implementation of educational programs is aimed at the formation of professional competence of the future experts, in accordance with the Dublin descriptors, qualifications framework levels of education and labor market needs. A distinctive feature of the educational programs is that they provide for the possibility of building an individual educational trajectory, taking into account the personal needs and capabilities of students.

Since 2014/2015 academic year, the university began to develop a modular educational program (MOS) in the context of the competency model training.

Methods and mechanisms guide the development of educational programs are described in the documents of the QMS of the university: PRO NKSU 704-14 "Planning the learning process," VND NKSU 53 "Regulations on the development and design of modular training programs."

After designing EP completely it's provided her expertise. The commission for the examination consists of employers, faculty and students of graduate courses.

At the design stage of programs Graduate Departments determined the model of graduates. The model is a set of knowledge, skills and experience of their application in practice, integrated and versatile professional competence required of graduates at the end of the training program. Formation of the model is carried out within "Electronic administration" in module "Competencies specialties".

The basis of the educational process is the requirements of the Bologna Convention.

Implementation of the accredited educational program carried out in accordance with the strategic priorities of the university on the basis of planning at the department and faculty. At faculty meetings and educational faculty council discussed the organization of educational, methodical, organizational-methodical, innovation, research, educational work, the development of material and technical base, the academic mobility of undergraduates, the results of examination of teaching methods of production and so on.

By the definition of tasks for the development of the educational program involved teachers graduating chair, chair of staff, undergraduates and employers.

The uniqueness of the accredited EP due to their orientation on the regional development of the agribusiness sector: the introduction of innovative methods of biotechnology in crop and livestock production.

Compliance of strategy EP implementation to the labor market is confirmed by a high percentage of graduate employment (average 83%) and reviews of employers who say graduates of educational programs:

- the presence of the generated core competencies: the possession of knowledge in the field of agriculture, methods of teaching specialized subjects; possession of professional skills and interpersonal communication;

- a manifestation of general and personal competencies such as the ability to plan, organize and carry out production and research work on solving fundamental and applied problems of agriculture;

- social responsibility for the results of their labor; commitment to professional and personal growth.

Compliance of the development strategy of EP also confirmed relevant topics of research and SRWU national development priorities.

Initiative researches of undergraduates: D.E. Takenova - "The use of biotechnological aspects of the cultivation of flax in the conditions of Northern Kazakhstan", there is an act on the basis of the test brakes NKSU named after M.Kozybaev; Stocker U.R. - "Technology of production and storage of koumiss farm "Arkalyk" production tests carried out in the farm "Aibat"; Taskulova A.M. - "Influence of biological products on the quantity and quality of spring

rape" implemented in production conditions LLP "SevKazNIIZhiR" (3 reports on the implementation of the 2012-2014).

The presented data demonstrate compliance of SRW and SRWU with needs of the state, alignment with national development priorities, the relationship of the research activities, educational process and production. To improve the quality of implementation of the educational program the department:

- annually updates methodical maintenance of educational process and assess the level of knowledge, taking into account trends in the formation of the Republic of Kazakhstan (100%);
- introduces modern educational technologies (case-technology method of projects, ICT, student-centered learning, and others.);
- develops logistical base (classrooms and laboratories equipped with modern facilities);
- organizes systematic training of the teaching staff;
- provides feedback from employers, monitors the professional activity of graduates.

Educational-methodical documentation of EP is designed in accordance with SES, curricula, working curricula in Russian.

EP is provided with WC, syllabus, EMCD developed in accordance with the regulations in Russian. The content of WC, syllabus and EMCD meet modern requirements of training and the specificity of EP. EMCD held a preliminary examination at the faculty meeting, after which the educational-methodical documentation discussed at the educational-methodical council of faculty, UMC University provost and approved by the HP and Sun. The Educational Council of the University can recommend EMCD for publication.

The faculty realizing EP pays attention to the organization, evaluation and control IWSU. The schedule of consultations on IWSU, in all disciplines developed guidelines for assignments IWSU.

In the training process teachers use educational and methodical literature in electronic format (CD- and DV-discs, video cassettes), an electronic bank of teaching materials that are freely available to students. Undergraduates have access to the educational portal of the University for information regarding the organization of the learning process: the schedule of the educational process, schedule, content, activities, forms of control tasks for the current and interim control of educational and methodical literature.

The department uses a common laboratory and technical base of the university computer classrooms, lecture halls with interactive and multimedia equipment, a library, a specialized biological and agricultural laboratory.

Reviews of employers on the content of EP and qualification of graduates are discussed at meetings of the department "Agriculture". Their analysis shows that demand qualities of graduates in addition to possession of a professional knowledge in agriculture, are also in the related fields of competence, capacity for innovation and creativity, discipline and responsibility.

Effectiveness and efficiency of EP is supported by the fact that the teachers engaged in preparing undergraduates for this EP regularly attend development courses at regional and national, and international levels. As part of EP 6M070100 "Biotechnology" 3 lecturers of the department "Agriculture" were trained in development courses: Bayazitova K.N. "Micropropagation and recovery plant" KazNAU, Almaty, 2010., has certificates Tempus on the seminar "Bolon yderisi negizgi olshemderinin Kazakhstan zhogary oku oryndaryna beyimdelui", Petropavlovsk, 2013, the seminar "Adapting of basic parameters of the Bologna process in higher educational institutions of Kazakhstan", Petropavlovsk, 2013; Sarmanova R.S. "Modern express methods of evaluation of soil nutrients and regulate the quality of plant products" KazNAU, Almaty, 2014; Shayakhmetova A.S. "Agrobiological and reclamation basis for improving the productivity of arable land and the ways of its rational use" KazNAU, Almaty, 2014, "Innovative technologies in crop production and preservation", International Training Center MASHAV, Israel, 2015.

Candidates of Agricultural Sciences Bayazitova K.N., Shayakhmetova A.S. took part in the round table "Sustainable development of the agricultural sector, the food processing and safety"

in the framework of the project "System analysis and forecasting in the field of science and technology" (JSC "National Center for State scientific and technical expertise", Astana, 2013.).

Strong positions of EP:

- compliance of research priorities with the national policy in the field of innovation development;
- process approach to management of EP, advanced reporting mechanisms for determining the dynamics in the activities and implementation plans;
- documentation (within the QMS) for all major business processes for the implementation of EP;
- clear definition of those responsible for the business processes;
- the existence and effective functioning of the system of informing all stakeholders and feedback systems;
- a mechanism of communication with the interested parties in the activities of the university;
- make informed decisions;
- the availability of information systems and databases, the effective use of the Internet in the management of EP;
- the transparency of the control system of EP;
- openness and accessibility for students, teachers and other stakeholders.

Weak positions of EP:

- lack of Development Plan of EP as a single comprehensive long-term document;
- lack of cooperation with other universities (including the leading universities of the Republic of Kazakhstan), implementing the same EP;
- lack of participation of representatives of stakeholders (employers, students) in the collegiate governing bodies of EP;
- measurement of the degree of satisfaction with the needs of faculty, staff, students do not have a systemic nature and allow to track the effectiveness of corrective actions on the identified inconsistencies and weaknesses.

Thus, EEC notes that 9 criteria of this standard have a strong position, 25 criteria - satisfactory, and 3 require improvement.

In order to improve the implementation of EP the EEC recommends:

- to develop the Development plan of educational program, to assess the risks of development of an educational program in accordance with the Development Strategy of NKSU named after M. Kozybayev of Petropavlovsk and develop a mechanism to reduce them;
- to develop the cooperation with domestic and foreign universities implementing similar educational programs.
- to ensure the continued involvement of stakeholders (employers, students) in the collegiate governing bodies of EP;
- to create a mechanism for measuring satisfaction the current system needsof faculty, staff, students monitoring of corrective action to identify inconsistencies and weaknesses.

4.2 Standard «Specificity of Education Program»

Implementation of educational program of the specialty 6M070100 Technology - training highly qualified specialists of agricultural profile in the field of biotechnology.

The educational program provides for the construction of individual educational trajectory, taking into account the personal needs and capabilities of students.

Undergraduates form their own IEP for each academic year, choosing a discipline included in CED. Recording is carried out in the discipline in the online mode using the automated system of the AIS "Platon". After selecting each IPM disciplines a student is generated automatically in the "Plato". Consultation of undergraduates on choosing individual

educational trajectory is carried out by advisers. The distribution of subjects by semesters is carried out in a logical sequence, subject to the prerequisites and post requisites.

The administration of EP provides equal opportunities for students, including, regardless of the language of instruction on the formation of individual educational program.

The administration of EP creates a mechanism to monitor the satisfaction of students of the university in general and the individual services in particular, and of the system feedback, which includes prompt submission of information on the evaluation of students' knowledge.

There is an annual review of the content of curricula and training programs, taking into account changes in the market, the wishes of students and teachers, taking into account the views of employers and stakeholders.

In the educational program producing department has demonstrated the existence of the developed model of the graduate, including knowledge, skills, competencies and personal qualities.

The development and management of the educational program are realized by teachers and employers (typically employers' representatives - experts of the agricultural sector - Head of SE "Department of land relations of NKO" - Karbaev E.Sh., director of "Station of young naturalists" - Temerebekov G.A., director of LLP "Abi-Jer", Candidate of Agriculture - Grishanov I.N., general director of "North Kazakhstan Research Institute of Animal and Plant - Doctor of Veterinary, academician Minzhasov K.I., Head of Research and Innovation complex of LLP "North-Kazakhstan Research Institute of Animal and Plant", Candidate of Agriculture - Nokusheva Zh.A.). Employers are invited to meetings of the department, where discuss the formation of the catalog of elective disciplines (Case №07-04-14 «Minutes of the meeting of the department "Agriculture").

At the request of employers in curriculum software included the following disciplines: cytology (the letter of the Head of the research and innovation complex of LLP "NorthKazakhstan Research Institute of Animal and Plant", Candidate of Agriculture Nokusheva Zh.A.), Biotechnology in the food industry (the letter of the director of LLP "Abi-ger", Candidate of Agriculture Grishanov I.N.).

Assessment of the quality of educational programs based on a review of curricula, the catalog of elective disciplines EMCD, survey of undergraduates, faculty, attendance.

WEC members attended the meeting SRWU, where listened to a report on graduate research work. The report is in the form of projects with multimedia presentations, which gradually reflected the progress of research (relevance, purpose, objectives, research facilities, the venue, expected results).

The survey of undergraduates, the analysis of attendance, use of logs cabinets, new technologies shows that the learning process is regularly used active forms and methods of employment, as well as information and computer technology, 87.3% of respondents indicated satisfaction the existing computer labs.

When an anonymous survey of undergraduates, 95.8% of respondents indicated complete satisfaction with the quality of teaching, teaching methods 91.5% overall, 93% of the overall quality of training programs, 93% of existing training resources of the university.

Disciplines are systematically introduced to EP, which learn innovative methods of teaching and education planning, including interactive teaching methods, teaching methods with high involvement and motivation of students (games, consideration of cases / situations, the use of multimedia tools). All this contributes to the development of professional competencies of the students based on their individual characteristics.

Programs of basic and profiled disciplines include modern achievements of science, engineering and technology of management in the direction of training.

For example, for the formation of professional competencies of undergraduates of the specialty 6M070100 Biotechnology techniques are being implemented in the field of biotechnology research and animal husbandry together with LLP "SevKazNIIZhiR".

The following courses are introduced in CED: "Physiological basis of Biotechnology", "Cell technologies in breeding and crop production," including current issues of biotechnology breeding, artificial insemination of animals, embryo transplantation, microbiology culture of somatic cells, the genetic basis of the use of cell cultures of plants for breeding purposes, types of plant cell cultures used in cell selection for the formation of skills of the laboratory analysis of male sex cells and embryos of the initial seeding of biomaterial, making temporary micropreparations, disinfection.

In EP 6M070100 Biotechnology teachers of the department introduce research results in the educational process through the inclusion of certain topics in the study of relevant disciplines, as well as being introduced into production in priority areas of agribusiness in the region.

There is a balance between the theoretical and practice-oriented disciplines, the name and content of the disciplines relevant specialties.

During the reporting period it's organized 3 internship of undergraduates on biotechnology on the basis of FGFEI HPE "State Agrarian University of the North Zauralye" (Tyumen, Russia, 2014), International Summer School on the basis of KazNAU "Kazakh National Agrarian University» ISAS 2013 (Almaty, 2013).

Strong positions of EP:

- the presence of the developed models of the graduate;
- active involvement of typical representatives of employers in the processes of development of EP;
- transparency of process and criteria for knowledge assessment.

Weak positions of EP:

- the lack of harmonization of the contents of EP with EP of leading foreign and Kazakhstan universities;
- the lack of diagnosis of students' knowledge at the beginning of the training course and studying of academic disciplines;
- the lack of joint educational programs with foreign universities;
- there is no own developments in the field of teaching methodology of disciplines of EP.

In order to improve the implementation of EP the EEC recommends:

1. to implement measures to harmonize the content of EP with EP of leading foreign and Kazakhstan universities;
2. to diagnose students' knowledge at the beginning of the training course and study studying of academic disciplines;
3. to organize the event for the opening of joint educational programs with foreign partner universities.
4. to activate the implementation of their own developments in the field of teaching methodology of disciplines of EP.

Thus, EEC notes that 4 criteria of this standard have a strong position, 55 criteria - satisfactory, and 4 require improvement

4.3 Standard «Faculty and Teaching Efficiency»

The qualifications of teachers, their quantitative composition are relevant to the directions of training of students of the accredited EP, meet licensing requirements. Qualification requirements for teachers are defined in job descriptions, regulations on subdivisions, documented by procedures of the QMS.

Information on contingent of the teaching staff involved in the implementation of the accredited EP is in Table 3.

Table 3 – Contingent of the teaching staff involved in the implementation of EP

Academic year	Total	Including staff	Including				With degree, %
			Doctors	Candidates	PhD doctors	Masters	
5B042100 - Biotechnology							
2012/2013	10	10	-	10	-	-	100
2013/2014	3	3	1	2	-	-	100
2014/2015	10	10	1	9	-	-	100

Graduate department of the accredited EP is the department "Agriculture", which has 15 teachers, including 1 - pluralistically. There is 1 Doctor of Agriculture, 8 Candidates of Agriculture, 4 Masters among the employees of the department "Agriculture".

The Head of the department "Agriculture" has a Candidate of Agriculture degree, sufficient research and teaching experience in the university. Personal information about the staff of the department is available on the website of the University. Each teacher developed a portfolio with all the necessary information on qualifications, work experience, professional development, a list of the main works, read the list of disciplines.

Department accumulates and analyzes information on their activities, assesses the strengths and weaknesses. According to its activity it's reported regularly (individual reports of teachers, reports on scientific and methodological sections of the department, the annual reports of the department). Providing monitoring activities EPS is determined based on its rating, visiting each other's classes, master-classes.

The site provides information about the university heads of educational programs (deans, head of departments) with contact information.

The workload of the teacher includes teaching, educational-methodological, research, organizational and methodical, educational work, as well as professional development and activity in a professional environment. The average classroom load varies from 750 to 930 hours per year. Differentiated load depends on the category of teaching staff - assistant, senior lecturer, associate professor. Each teacher fills out an individual work plan, which is considered at a meeting of the department and approved by the head of the department. Report on implementation of individual plan of teachers is heard at the meeting of the department per year (in June - per year). The decision on the fulfillment/non-fulfillment/partial fulfillment of the teacher work plan adopted jointly. Individual plans for teachers, a report on the activities of the department are controlled EMA of the University. Teachers of the department are high quality personalized documentation correctly and timely fill individual plans for all sections.

All teachers have specialized basic education. Leading teachers, who have wide experience of scientific and pedagogical and practical activities can read lectures. For the implementation of the educational program 6M070100 Biotechnology practitioners are regularly involved in science and industry (scientists of LLP "SevKazNIIZhiR"). Professional experience and skill level of staff of the department, working closely with academic institutions and agribusiness companies allow building up an educational program and qualitatively organizing the learning process.

The site has information about the university's personnel potential, providing EP.

Selection of teaching staff is carried out on the basis of the Rules of competitive replacement faculty positions as required by job descriptions, which are regulated by the QMS 2.03-2007.

The university provides the professional development of teachers. Professional development of teachers is realized through various internships at other universities, agricultural organizations and institutions of Kazakhstan and foreign countries.

Implementation of the policy of the University to attract professionals is training of the teaching staff through the doctorate. For this purpose the university generates an application in the MES at the target site to train faculty in doctoral studies. 1 teacher of Natural Sciences and

Sports faculty (E.E.Kantarbaeva, basic education - Biotechnology) is training in doctoral level at KazNAU, Almaty, in the specialty Agronomy.

Staff of the department is the holders of diplomas and awards of the rector of NKSU named after M.Kozybaev, MA, MES of the RK for achievements in the field of education: Bayazitova K.N. – a medal "10 years for Kazakhstan Constitution" (2005); Diploma of the rector of NKSU named after M.Kozybaev (2009); Diploma of the Charter of the Office of Agriculture of NKO (2009); Large Gold Medal "Manash Kozybaev atyndagy Soltustik Kazakhstan Memleketik universitetinin damuyna ules koskani ushin" (2012); Aylsharuashylygy salasyn damytuga koskan ulesi ushin Kazakhstan Ayl sharuashylygy ministiriniñ algysy (Ministry of Agriculture, 2013); Large Gold Medal of NKSU named after M.Kozybayev (2010); Shayakhmetova A.S. - Diplomas of the rector of NKSU named after M. Kozybayev (2011, 2013), Diploma of Management of Agriculture of NKO (2009), Galiev Zh.M. - Honorary diploma of MES.

A status of moral and psychological climate at the department is characterized by its stability, creative attitude to their duties. The level of labor and executive discipline is high.

When questioning the teachers of the University of 89.7% of them are fully satisfied with the relationship with colleagues, "very good". 79.5% are completely satisfied with the relationship with the direct guidance.

The university ensures the completeness and adequacy of individual planning of teachers for all activities, monitoring the effectiveness and efficiency of individual plans. The workload is reflected in the plans of individual teachers, which shows the educational, methodical, scientific work. The teaching staff is systematically involved in the preparation of research projects.

The University monitors the activities of the teaching staff, a comprehensive assessment of the quality of teaching. The university set clear criteria for evaluating the teaching staff. Evaluation of the teaching staff competence through organization intrahigh certification organization vzaimoposcheny and systematic surveys of students, which allows for constant and continuous monitoring and evaluation of teaching effectiveness.

Assessment of competence of teachers and comprehensive assessment of the quality of teaching is carried out at faculty meetings, faculty each semester.

Mechanisms to promote the professional and personal development of faculty and staff are faculty ranking system to provide further financial support when summing up each semester.

The teaching staff is used innovative technologies in teaching, 2 rooms are equipped with interactive whiteboards for lectures on the latest technologies.

In general, the teaching staff providing training in the accredited specialty is high professional, scientific and pedagogical level, which to some extent consistent with the goals and objectives of the training within the vocational education program specialty. However, there are inconsistencies of personnel potential of the teaching staff strategy and specific educational programs according readable disciplines. Also focuses on the absence of the invited professors of leading foreign and Kazakhstan universities in the implementation of the educational program. The university monitors satisfaction of the teaching staff working conditions, the quality of training of students and the educational infrastructure.

Results of the research are reflected in 7 publications (for 2014-2015) in materials of the International Conference.

In addition, the external audit notes the lack of publications in journals indexed in international databases (Web of Science of Thomson Reuters, Scopus Publishing Corporation Elsevier).

Pedagogical professional staff of the University carries out courses for the pedagogical skills of teachers of technical departments.

As a result of the survey of teachers respondents note good and very good evaluation of university opportunities for continuous development of the teaching staff potential (64.1% and 17.9%, respectively).

Strong positions of EP:

- the availability of information about the teaching staff to the public (publishing information about the teaching staff on the website of the university);
- mechanisms to encourage personal and professional development of teachers and employees;

Weak positions of EP:

- it's not ensured compliance of the teaching staff with the qualification requirements, the level and specificity of the educational program, readable disciplines;
- inconsistency of personnel potential with policies and specificity of the educational program.
- insufficient development of academic mobility of teaching staff, attraction of the best foreign and domestic teachers;
- the lack of attraction known scientists, public and political, honored figures to the implementation of OP.

In order to improve the implementation of EP the EEC recommends:

1. to develop measures for ensuring academic mobility of teaching staff, to attract the best domestic and foreign teachers to implement the EP;
2. to involve known scientists, public and political, honored figures to the realization of EP.
3. to carry out work on ensuring the compliance of personnel potential of the teaching staff with strategy and specific of the educational program;
4. to develop activities for the development of academic mobility of teaching staff, to attract the best foreign and local teachers.

Thus, EEC notes that 2 criteria of this standard have a strong position, 15 criteria - satisfactory, and 4 require improvement.

4.4 Standard «Students»

The total number of students of the accredited EP is the undergraduates training on the state order in full-time education. Information about the contingent of students is presented in Table 4.

Table 4 - The students' contingent on accredited EP

Academic year	Study form	AI students	Learning on the grant	Learning on a paid basis	Learning in Kazakh language
5B042100 - Biotechnology					
2012/2013	Full-time	2	2	0	0
	Total	2	2	0	0
2013/2014	Full-time	2	2	0	0
	Total	2	2	0	0
2014/2015	Full-time	2	2	0	0
	Total	2	2	0	0

On the basis of the data in Table 4 can be seen on the small number of troops trained by the accredited EP, for the following reasons:

- lack of a stable number of grants allocated by the university;
- annual increase in tuition fees at the university;
- decrease in the solvency of the population;

- leaving school graduates in the border towns (Omsk, Novosibirsk, Tyumen, etc.) o study at the universities of the state order of the Russian Federation.

Progress of students in accredited EP on the results of interim assessment of the 2012-13, 2013-14, 2014-15 academic years is 100%. The overall performance of EP undergraduates can be seen in the results of the SFA. Analyzing the results of the final certification of the magistracy, it should be noted that students pass a comprehensive examination on "excellent". The average percentage of quality in complex exams for the period from 2012 to 2015 on EP "Biotechnology" is 100%, with an absolute performance - 100%. The average percentage of quality dissertations for the period from 2012 to 2015 was 100%, the percentage of performance - 100%.

The university estimates the correspondence between the admission process and the subsequent progress of students according to the results of examinations.

In order to avoid possible problems with the teachers of the University of preventive action taken. According to the Quality Management System, implemented at the University, which is part of information for the analysis of non-compliance and the development of preventive actions are the results of internal audits, the results of evaluation of training activities, and regulations governing government and industry documents, evaluation of customer satisfaction.

Important role is played in it by advisors. Work of the adviser assumes a personal form of educational methods (discussions, lectures, meetings with authoritative experts, with the best teachers, etc.). In order to avoid possible problems with the undergraduates taken preventive actions at different levels: the Cathedral, the faculty, the university.

One of the strengths of the University Commission noted the development of policies in the educational process and the availability of information materials for students. As a source for obtaining the operational network of electronic teaching materials of disciplines working curricula, information on the performance of students actively using IAKUV "Electronic rector" and educational web portal <http://is.nkzu.edu>.

Undergraduates of EP Biotechnology pass scientific training in foreign universities. In 2013/2014, 2 year two undergraduates were trained on the basis of VPO "State Agrarian University of the North Trans-Ural" (Tyumen, Russia, 2014), in 2012/2013 one undergraduate took an internship at the International Summer School on the basis of KazNAU "Kazakh National Agrarian University», ISAS 2013 (Almaty, 2013).

In 2013 graduates have trained in seminars:

1. The Ministry of Agriculture, JSC "KazAgroInnovation", LLP "SevKazNIIZhiR", Distribution Center of knowledge in the field of agriculture "Kyzylzhar": "Selection and breeding, feeding, growing and maintenance of cattle dairy, with the assessment of the breeding value. Using the information-analytical system"- Akhmetov M.B.

2. The Ministry of Agriculture, JSC "KazAgroInnovation", LLP "SevKazNIIZhiR", Distribution Center of knowledge in the field of agriculture "Kyzylzhar": "Resource-saving technologies of cultivation of oilseeds using innovative methods. The use of by-products in the diets of farm animals and poultry. Clarification of the requirements of technical regulations on food safety and plant products" - Taskulova A.M.

3. The Ministry of Agriculture, JSC "KazAgroInnovation", A.I.Baraev NPTSZH, Center for the dissemination of knowledge in the field of agriculture "Shortandy": "Resource-saving technologies of cultivation of perennial and annual grasses, silage and grain feed crops in fodder crop rotations and field. Technical support of fodderproduction" - Akhmetov M.B.

4. The Ministry of Agriculture, JSC "KazAgroInnovation", A.I.Baraev NPTSZH, Center for the dissemination of knowledge in the field of agriculture "Shortandy": "Modern technologies of cultivation and storage of marketable grain and seeds. Processing plant production "- Taskulova A.M.

5. German Agrarian Center DAZ NemATs "Soil technology" – Akhmetov M.B., Taskulova A.M.

Undergraduates are actively involved in the implementation of research and achieve professional victories at the regional level, which helps to maintain the image of the University at a high level, for example, 1 year undergraduate Kiyanbekov K.Kh. 1st place with the contest work on the theme: "Organic farming - the way to get environmentally friendly products" (SRWU) in the project "Youth Initiative - the development of agriculture of the Republic of Kazakhstan" organized by the Faculty of Science and Sport together with the primary party organization "Bolashak" of the party "Nur Otan".

Every year the university carries out a job fairs inviting the first business leaders to further work on employment. In the accredited specialty employment of graduates is 83%.

Over the last three years graduates of EP 6M060700 "Biotechnology" have published 20 scientific articles.

Undergraduates together with teachers take an active part in all events organized by the university (an open day, the day of knowledge, competitions KVN, holidays "New Year", "Nauryz", meetings with famous personalities, sports competitions, month on crime prevention, prevention AIDS and drug addiction). For a complete organization of undergraduates' leisure time it's functioned creative circles, clubs and associations of interest. There is Debate Club "Zhiger" Gender Club "Nur Aru" in the university.

The issues of social protection of students are successfully resolved. Students on a contractual basis are able to get discounts, vacant government grants based on the results of examinations and scholarships. The university is supported the opportunity to obtain scholarships and grants of the rector, M. Kozybayev by students. Information on programs to support gifted students is the educational website of the University. All students have the opportunity to stay in the dormitory of the University at a low cost is 2000 tenge per month.

The university implements a network of programs aimed at developing an active position in life learning, the development of his creative abilities (WHC, creative competitions, theater studios, youth political organizations, governments).

students can learn information about the program support for gifted students at the information portal of the university (see "Social support"); through information mail to the dean's office; at a meeting of groups leaders; messages through advisors.

Monitoring of satisfaction of students with the university activity in general and the individual services takes in the form of an anonymous questionnaire on all the educational services (primarily accounted the competency of teachers), also takes into account the quality of teaching of ED, etc. The survey of undergraduates is held once a year, upon completion of the training load. The survey results are considered at a meeting of the department and take appropriate measures to eliminate or promote.

During the audit as a result of the survey it was noted that the overall level of undergraduates' satisfaction is very high. So, for example, the level of accessibility and responsiveness of the university management is fully satisfied - 93%, the objectivity of teachers are fully satisfied - 95.8%, the quality of teaching are completely satisfied - 95.8%, availability of library resources are completely satisfied - 98.6%.

Along with this, as a result of the external audit found that internal and external academic mobility of students is at high enough level.

Strong positions of EP:

- operation of the feedback system, including prompt submission of information on the results of students' knowledge assessment.

Weak positions of EP:

- the lack of professional certification of students in the field of specialization in the learning process;

- the lack of internal academic mobility of students.

In order to improve the implementation of EP the Commission recommends:

1. to develop a mechanism for professional certification (in particular, the acquisition of work occupations) of learners in the learning process.

2. to expand the academic mobility of students, collaboration with leading foreign and Kazakhstan universities.

Thus, EEC notes that 1 criterion of this standard have a strong position, 11 criteria - satisfactory, and 3 require improvement.

4.5 Standard «Resources Available to Education Program»

During the work the Commission is satisfied with the sufficient material and technical base for the support of the educational process of educational programs and implementation of the mission, goals and objectives of RSE on the REM "North Kazakhstan State University named after M. Kozybayev". The University has the necessary classroom fund, own dormitory, computer labs, methodical study and educational laboratories, equipment of them meet the objectives of the educational programs of the department' specialties. The total area of classroom space used for the training process of undergraduates of the accredited EP is 427 square meters. The total number of seats of different types of audiences is 268. It's accounted 5.1 sq.m. for one workplace. All laboratories and specialized classrooms, according to SES, have a passport, an inventory of equipment and layout.

Each year the department applies for the purchase of textbooks in the disciplines implemented EP. The book fund of educational, methodical and scientific literature on the disciplines of the specialty "Biotechnology" is 288 units. The book fund is KO-144 units for 1 student, which corresponds to the standards of SES of the RK 1080-2012. Provision of educational literature for the educational program is 61.81%.

e-Library is regularly updated with electronic versions of textbooks and EMCD and includes the following types of materials: the electronic version of the printed EMCD, electronic EMCD, work curricula, teaching aid, additional material, demonstration material, methodical complex of practice, syllabus, lectures, guidance, video, tests for self-control, workshop, sample programs, slide films, diary of practice, IWST materials, etc. Structured materials on readable disciplines are also available for undergraduates in the departments, EMCDs are presented in the library of the university. There are links to electronic resources in the website of the University: "The Republican Interuniversity Electronic Library" (RMEB), "Kazakhstan National Electronic Library" (KNEB), "Scientific Library of NKSU", "Books from the Rare Fund", "POLPRED Directories" and "DEC Publishing Lan", "NKSU named after M. Kozybayev in the press", "Statistics of NKO" that provide the access to full-text publications on scientific and academic areas of the university. Provision of educational literature in electronic library for EP is 100%.

When placing educational materials in e-Library copyrights are respected according to the Law №6 of the RK "On Copyright and Related Rights" from 10.06.1996, (the date of the latest edition is 10.07.2012). Placing of teaching materials in the public domain is made according to GNI NKSU 48 Requirements for electronic teaching materials and the procedure for placing them in the electronic library. The University is connected to electronic educational resources of the world's leading publishing and printing houses, including ISI Web of Knowledge (company Thomson Reuters), Science Direct, SCOPUS, etc. (access granted NCSTI JSC, Almaty).

Electronic versions of articles published in journals of full-text mode are placed in an electronic repository on the university site (<http://repository.nkzu.kz>).

The university provides a free wireless internet access (Wi-Fi). In the reading room with computers to find educational information posted on the website and internal portal of the university or on the Internet. The university has its own website where all the information available on the activities of the university as a whole and separately on specialties. The site has a blog of the rector, where undergraduates and employees can write complaints and suggestions.

The university has introduced IAKUV "Electronic administration", where students create their own individual learning plans and can trace their academic achievements. In a private office

each has a student profile, where they can evaluate teachers, leading discipline. Access to the system is free.

A support educational program with ICT is carried out in two directions: the use of ICT in the management of educational programs and their monitoring; use of ICT in the teaching of specific subjects.

There are laboratories to conduct lessons in the specialty (429/2, equipped to teach core subjects), for example, "Trends in Biotechnology". This audience is equipped with microscopes, analytical instruments (scales, gas analyzer, pH meter, Photocolorimeters, thermostats, devices for determining the physiological properties of plants, technological parameters of grain). In the laboratory, there are means of fire safety.

2 research laboratories are operated in EP, each of which has a development program also reflects the target indicators, sources and amounts of funding.

For research work and research practices of undergraduates of the specialty 6M060700 Biotechnology the university has a rustic base - agrobiological station (ABS) and a branch of the department LLP "SevKazNIIZhiR" (classroom and library fund, research-innovation complex).

Agrobiological Station (ABS) has an area of 7 hectares, where placed protected ground - greenhouses, summer nurseries and 2 greenhouses with a total area of 50 m², a training body for practical classes, individual and independent work of a student during a training field practice, the granary of innovation horizontal type 200 tonnes, an arboretum, dendropitomnik kennel with the main varieties of fruits and berries (raspberry, gooseberry, currant, honeysuckle, etc.).

The following field crops are grown in the structure of acreage cultivated: spring wheat, barley, oats, peas, flax, canola, corn, potatoes, sunflowers, sainfoin, alfalfa, sweet clover, Sudan grass, panic, soybeans and vegetables: cabbage, tomatoes, cucumber, pepper, eggplant, carrots, pumpkin, etc. On the territory of ABS are conducted scientific experiments, the results of which are used for writing graduate thesis. There are the necessary equipment and agricultural machinery seeder, cultivator, planter, Potato, harrows, plows, car "Kamaz", MTZ-80.

Information portal of the university is periodically updated. The website contains detailed information on the PPP for the accredited program. Portfolio teacher is updated in real-time from the system "Electronic rector" and includes personnel information, a list of publications, courses and presentations of training courses for each full-time teacher. Since 2013, teachers place their articles in full-text mode.

Full and objective information about the activity and specificity of the educational program is available at the university in the "Master".

At the Faculty of Science and Sport operate services providing comprehensive needs of undergraduates: a dormitory, canteens, a clinic, training complex with a swimming pool, etc. In the clinic are free reception therapist and other professionals, there is a psychological service. Every year the University undergraduates are free comprehensive medical examination and routine vaccination.

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undergraduates: a dormitory, canteens, a clinic, training complex with a swimming pool, etc. In the clinic are free reception therapist and other professionals, there is a psychological service. Every year the University undergraduates are free comprehensive medical examination and routine vaccination.

An anonymous survey of students found that respondents are completely satisfied: 98.6% level availability of library resources, 97.2% quality of services provided by libraries and reading rooms, 94.4% - Access to health care of students, 94.4% - the quality of the student health services, 90.1% - the availability of computer classes and Internet resources, to 90.1% of the useful website of the university as a whole, at 90.1% - proportionality of classrooms and groups.

Electronic versions of articles published in journals full-text mode are placed in an electronic repository on the university site (<http://repository.nkzu.kz>).

On the question of the availability of library resources, students responded:

- Completely satisfied - 98.6%;
- Partially met - 1.4%.

When asked about the quality of services provided at the library and reading rooms of students responded:

- Completely satisfied - 97.2%;
- Partially met - 2.8%.

Corporate Information and Education Network of the university:

- All the deans and structural divisions of the Institute are involved in a network;
- All academic buildings and dormitories of the Institute merged into a single information-educational network;
- All the structural units have access to email and the Internet;
- Operates the official web-site of the Institute www.nkzu.kz in the state, Russian and English languages;
- For the management of educational process using information system «Platonus» and information system "Electronic rector" of its own design.

According to a survey of students:

- The existing computer labs: entirely satisfied - 87.3%; partially satisfied - 8.5%, partially dissatisfied - 2.8% - 1.4%.
- Available scientific laboratories: completely satisfied - 81.7%; partially satisfied - 14.1%; undecided - 4.2%.

Poll assess availability of computer classes and Internet resources showed that 90.1% satisfied, somewhat satisfied, 8.5%, partially dissatisfied - 1.4%.

On the issue of equipping classrooms, auditoriums for large groups of respondents answered that they are completely satisfied - 93%, partially satisfied - 7%.

Strong positions of EP:

- availability the maximum possible number of structured, organized information on readable disciplines - presentation materials, lecture notes, required and optional literature, practical tasks, etc. to students;
- access to a personalized online resources and training materials;
- personalized online resources for students and faculty, the required number of computer classes, reading rooms, specialized classrooms;
- the required number of classrooms equipped with modern means of training: teaching and research laboratories, modern training areas, industrial parks, with modern equipment, implemented by the relevant educational programs, sanitary-epidemiological norms and requirements;
- an adequate book fund;
- free access to the educational resources of the Internet, the availability of affordable academic resource support students, educational programs support ICT.

Weak positions of EP:

- lack of promising conditions for the development of the scientific potential of young scientists and students.

In order to improve the implementation of EP the Commission recommends:

1. to create conditions for the development of the scientific potential of young scientists and students (in order to increase the percentage of the staff of the department with academic degrees, to improve the SRWS).

Thus, EEC notes that 10 criteria of this standard have a strong position, 21 criteria - satisfactory, and 1 requires improvement.

4.6 Standards in the context of separate specialties

1.1.1 Natural and technical sciences

The content of all disciplines of 6M060700 "Biotechnology" in one way or another contains elements of natural science, which is reflected in the curriculum and EMCD.

Graduates demonstrate theoretical knowledge in the field of psychology, skills in communications, analysis of personality and behavior, methods of conflict prevention, motivation of students. This is confirmed by reviews of employers, managers review the analysis of pedagogical practice.

Undergraduates demonstrate competence in the field of information technology, the use of multimedia resources, as evidenced by the use of electronic document management system, a demonstration of the use of information and communication technologies in attendance members of the EEC.

The curricula of the accredited EP has discipline, training of innovative methods of teaching and planning of training, knowledge and skills of the world's educational systems, knowledge in the field of education; the curriculum 6M070100 Biotechnology - "Information Technologies in Education", "Modern trends in higher education" (BDM CC).

Accredited EP includes discipline and measures aimed at getting practical skills and experience in the specialty as a whole and in particular the profiled, incl.:

- excursions to the enterprises in the area of specialization (LLP "North Kazakhstan agricultural experimental station", Republican Veterinary Laboratory OIG in AIC MA RK RSE Petropavlovsk, company FE "Sagittarius AV", LLP "Peterfeld-Agro", Ltd "Bishkul Poultry", accredited seed laboratory of JSC Kazagreks, a subsidiary of Petropavlovsk, North Kazakhstan branch of the Republican State Enterprise "Scientific-Production Center of Land Cadastre" department of land surveying and monitoring" and others);

- individual classes or entire disciplines held at the enterprise specialization (at a branch of the department on the basis of LLP "SevKazNIIZhiR");

- seminars for solving practical problems relevant to enterprises in the area of specialization, etc. (in 2012-2013 academic year – the seminar "On the development of fodder production in NKO" with representatives of agribusiness, in 2013-2014 academic year – the seminar "Innovative technologies in agriculture" with the participation of representatives of the Eurasia - groups, scientific conference "Agricultural science - agricultural production in Northern Kazakhstan" with the participation of AIC and regional research institutions, the seminar "Diversification of production through increase in SH oilseed crops and forage crops" at the Regional Department of Agriculture standard deviation, etc., in 2014-2015 academic year – it was held events with the participation of representatives of agribusiness field on the following topics: "Perspectives of development of the poultry industry in Kazakhstan", "Status and prospects of crop production in Northern Kazakhstan", "Staffing agriculture: Challenges and Prospects", the seminar "The application of biotechnology to control branches agriculture and animal husbandry".

There is no comments on this standard.

Thus, EEC notes that 1 criterion of this standard has a strong position, 4 criteria - satisfactory, and 2 require improvement.

Recommendations for the North Kazakhstan State University named after M. Kozybayev

Recommendations on the specialized accreditation of the educational program 6M060700 “Biotechnology”

1. to develop the Development plan of educational program, to assess the risks of development of an educational program in accordance with the Development Strategy of NKSU named after M. Kozybayev of Petropavlovsk and develop a mechanism to reduce them;
2. to develop the cooperation with domestic and foreign universities implementing similar educational programs.
3. to ensure the continued involvement of stakeholders (employers, students) in the collegiate governing bodies of EP;
4. to create a mechanism for measuring satisfaction the current system needs of faculty, staff, students monitoring of corrective action to identify inconsistencies and weaknesses.
5. to implement measures to harmonize the content of EP with EP of leading foreign and Kazakhstan universities;
6. to diagnose students' knowledge at the beginning of the training course and study studying of academic disciplines;
7. to organize the event for the opening of joint educational programs with foreign partner universities;
8. to activate the implementation of their own developments in the field of teaching methodology of disciplines of EP.
9. to develop measures for ensuring academic mobility of teaching staff, to attract the best domestic and foreign teachers to implement the EP;
10. to involve known scientists, public and political, honored figures to the realization of EP.
11. to carry out work on ensuring the compliance of personnel potential of the teaching staff with strategy and specific of the educational program;
12. to develop activities for the development of academic mobility of teaching staff, to attract the best foreign and local teachers.
13. to develop a mechanism for professional certification (in particular, the acquisition of work occupations) of learners in the learning process.
14. to expand the academic mobility of students, collaboration with leading foreign and Kazakhstan universities.
15. to create conditions for the development of the scientific potential of young scientists and students (in order to increase the percentage of the staff of the department with academic degrees, to improve the SRWS).

RECOMMENDATIONS FOR THE ACCREDITATION COUNCIL

The members of the external expert committee came to a unanimous opinion that the educational program «6M070100 - Biotechnology», implemented by the North-Kazakhstan State University named after M. Kozybaev can be accredited for 3 years.