

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**

**5B072900 – «BUILDING»,
5B042100 «DESIGN»**

**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 was formed on the basis of the decision of Council of National Commissioner of the Kazakh SRU from 19 March 1937 as “Petropavlovsk Pedagogical Institute”. In 1939 Petropavlovsk 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 Petropavlovsk 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 experts attended the meeting of SAC in the specialty 5B072900 (4th course) with the protection of the graduation projects:

- the student Moldabaev T.S., the theme of the project "Sectional 8 apartment house";
- the student Shmatkova E.A., the theme of the "Sanatorium for 104 seats".

Diploma projects include mandatory sections: architectural and construction part of the settlement and konstrktorskaya, organizational and technological part, labor protection and safety, the economic part. A diploma projects presentation was conducted at a high level, with a detailed discussion of the design decisions. Diplomates were asked all the members of the SAC.

It was organized a visit of practice bases of the department of the accredited EP: the enterprise LLP "Factory of prefabricated buildings and structures." At this plant conducted industrial practice of students, field trips, workshops on the production of subjects "Metal Constructions", "Structures", "Technology of building production" and others. As part of the tour was attended by the design office, production facilities for the manufacture and installation of spatial metal structures (columns, girders, fasteners, etc.). At this plant currently employs graduates of accredited EP, two students of EP 5B072900 "Building" are technological practice.

3. General assessment of educational programs

Preparation of accredited educational programs 5B072900 "Building" and 5B042100 "Design" is provided by the department "Building and design". This chair is a structural division of the Engineering and technical faculty of NKSU named after M. Kozybayev.

Currently training of bachelors of the accredited OP is carried out on the basis of a license №12016901 of 19 November 2012, issued by the Committee for Control of Education and Science of the MES. Training of bachelors of EP 5B072900 "Building" is carried out in the state and Russian languages on full-time and correspondence courses on the basis of general secondary and secondary vocational education; EP 5B042100 on "Design" - in Russian training full-time on the basis of secondary education. The content of EP is based on the normative legislative acts of RK, SES requirements and regulations of regulatory documents MES.

The department is reviewing its operations - an assessment of strengths and weaknesses, defines the concept of the development strategy of OP.

Accredited educational programs 5B072900 «Building» and 5B042100 «Design» have the following positive positions:

- modern material and technical base, high level of MT equipment of educational process;
- automation of the educational process (electronic document management, automation of the basic processes of drawing up staffing rapredeleniya teaching load, taking into account the contingent of students, etc.);
- automation of the control of knowledge and accounting of educational achievements of students;
- raising the opportunity to conduct research on the basis of NKSU laboratories, publication of research results;
- the department provides students the bases of practice, employment naprofilnyh enterprises and organizations;
- organization of educational process on the basis of credit technology;
- choice of studying elective subjects;
- introduction to the OP elective courses on the proposals of employers;
- 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 practices of students and office chair in enterprises;
- operation of an electronic library with unlimited access to the library resources;
- availability of Wi-Fi network to access the Internet.

4. Compliance with standards for specialized accreditation

4.1 Standard «Education Program Management»

Accredited educational programs are designed in accordance with the regulations of the MES and the model curricula of the respective EP, consistent with the mission of the university and the demands of employers.

Providing quality educational services at the university, the adequacy of existing educational programs to modern requirements are at a sufficient level.

According to the results of an anonymous survey of the teaching staff (39 pers.) To the question "How is the mission and strategy of the university reflected" - gave the following assessment:

- in the curriculum: 41% - very good, 56.4% - good; 2.6% - relatively poorly;
- in the assessment procedure: 43.6% - very good, 51.3% - well, 5.1% - relatively poorly;
- innovative programs: 25.6% - very good, 66.4% - well, 7.7% - relatively poorly.

The plan of development of each educational program in NKSU named after M. Kozybayev has a complex structure and not in a separate document. Plan for development of the educational program consists of:

- common target indicators and targets set in the Strategy and Plan of development of NKSU named after M. Kozybayev for all educational programs;
- intentions and commitment in ensuring the quality of education, the university set policies in the field of quality;
- the general objectives of the school in terms of quality, defining short-term development of all education programs;
- the quality objectives and the relevant faculty issuing department, defining short-term development of specific educational programs;
- model graduates of appropriate educational programs;
- modular educational program.

Lack of the Development Plan of EP as a long-term comprehensive single document does not allow fully appreciating the strategic directions and prospects of development of EP.

To ensure the implementation of the educational program is developed annually a comprehensive plan of the faculty and work plan for issuing department. At this level, an important principle of the development and approval of plans is their strict compliance with strategic priorities of the university. In addition, at this stage of planning to the definition of tasks for the development of educational programs, teachers are involved in producing departments, staff departments, employers.

Planning 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 EP) and a complex consisting of different types of educational-methodical documentation.

To implement educational programs developed by the university annually catalogs of elective courses, which describe the discipline component of choice with a brief indication of the content of pre- and post-requisites. QED is available for students in print and electronic media. The structure and content of working curricula of relevant regulatory documents MES. The sequence of study subjects is built with the use of pre- and post-requisites kvizitov.

Working curricula, catalogs of elective courses, work study programs, UMKD regularly updated. Changes in these documents are made in agreement with the methodological section of the department, teaching faculty council (UMSF), the decision of the Training Council of the University. During the studied EMCD for EP 5B072900 - "Building" and EP 5B042100 - "Design".

In determining the competence, learning outcomes generated by the implementation of OP, and further to form the content of training, as an input used:

- the requirements of the state obligatory standards of higher and postgraduate education, approved by the order №1080 of the Government of the Republic of Kazakhstan dated August 23, 2012.;
- the requirements of model curricula at the appropriate field of study;
- national and international requirements for the competence of graduates of educational programs, the European Qualifications Framework, National Qualifications Framework, approved by joint order №444 of MTandSPN and MES from 28.09.2012.;
- the specific requirements of potential employers for graduates of this profile, the level and direction;
- labor market needs;
- survey all stakeholders to determine competency.

To increase the level of customer satisfaction in getting the quality education the department "Building and design" involves actively employers to the EP management process.

At the level of the faculty and the department on the basis of changes in the regulations of the MES, as amended requirements of the labor market adjustment programs carried out development of educational programs and their implementation.

During the implementation of educational programs carried out to collect and analyze statistics on the contingent of students and graduates, available resources, personnel, research and international activities, and other areas monitored by the degree of achievement of planned results.

Educational programs are provided with working curricula, syllabus, EMCD developed in accordance with the regulations, the content of which corresponds to the specifics EP. The group on preparation of expert opinion to determine the quality MOS include: employers, faculty, and students.

Based on the submitted expert report, which is signed by all the members of the expert group entities EP considered at a meeting of the department, faculty of UMC, UMC of the University and approved by the head of the university. After going through all the stages of negotiation and approval of the training program is being implemented in the educational process.

There is a lack of participation of representatives of interested parties (employers, students) in the collegiate governing bodies of EP.

A survey among teachers has shown that the leadership of the university pays very good attention to the content of the educational program (46.2% of respondents), and good attention - 48.7% of respondents.

The system of monitoring the implementation of plans for the development of educational programs includes the following mechanisms:

- issuing annual reports of departments and faculties;
- internal audits;
- consideration of the development of different areas of training at the collegiate bodies.

As part of the internal audit of the QMS also assesses the implementation of the plans. The audit corrective actions designed to prevent the possibility of the appearance of the identified inconsistencies in the future.

To maintain the basic processes in the university developed a set of internal normative documents regulating the implementation of educational programs, including: policy and quality objectives, quality manual; 31 documented procedure; 18 provisions of the type of process; 6 provisions on collective bodies; 24 internal regulatory documents (requirements, recommendations, etc.); more than 180 forms of approved documentation. The main part of the business process is documented at the university since 2005. All external and internal regulatory documents are available in the Registry of regulatory documents on the website of the university in the "Management" and available to all users on the corporate network (over 400 documents).

The regulations governing the educational process, separately allocated requirements for forms of education (full-time, part-time), education levels (B, M) and the technology used.

Thus, at the level of undergraduate education is regulated by separate procedures: PRO NKSU 701-14 "Career Guidance", PRO NKSU 702-14 "Formation of a contingent", PRO NKSU 703-14 "Methodical work", PRO NKSU 704-14 "Planning of the educational process", "PRO NKSU 705-14 "Educational process", PRO NKSU 706-14 "Assessment of the students' knowledge", PRO NKSU 708-14 "Quality control of the educational process", PRO NKSU 709-14 "Professional Practice", PRO NKSU 710- 14 "Employment of graduates", IND NKSU 53 "Regulations on the development and execution of modular educational programs", PP NKSU 32 "Regulations on the organization of educational process in the bunker", IND NKSU 39 "Requirements and guidelines for the design and development of educational-methodical documentation", IND NKSU 49 "Guidelines for the development and use videoleasons in the learning process".

Management of educational programs as a separate entity includes:

- analysis of the demand for educational programs in the education market and the labor market in the receiving company and career guidance;
- development of new statistical forms and modules in the information-analytical complex management of educational process "Electronic administration" that allow for the analysis of performance, the results of the SAC, examinations and other forms of indicators on educational programs rather than on educational groups;
- presentation of complex information for each educational program on the website of the university;
- inclusion in the plan of the Academic Council of the issues in their areas of educational programs;
- orientation of the university for specialized accreditation of educational programs.

In NKSU named after M. Kozybayev information systems are successfully operated for supporting educational programs:

- the official website of the university www.nkzu.kz;
- automated information system of educational process management «Platonus»;
- IACUM "Electronic administration";
- Educational Portal <http://is.nkzu.edu/>;
- ASU "Electronic timetable";
- distance learning system eLearningNKZU;
- system network testing WEB-test, based on the use of Internet technology and is designed to assess students' knowledge testing method;
- electronic library of the University, the content of which contains educational materials in all subjects and educational programs;
- information systems and resources of the library complex (site of scientific library, resource abstracts of master's theses, the search engine Irbis, resource with rare books, access to the Republican Interuniversity electronic library);
- automated information accounting system "1C"

The university held the event on measuring the degree of satisfaction of needs faculty, staff and students, but the data types of monitoring do not have a systemic nature and does not allow you to track the effectiveness of corrective actions on the identified inconsistencies and weaknesses.

The university operates a multi-channel feedback system, focused on students, staff and stakeholders. The main forms of feedback are:

- direct mail rector in the form of boxes of complaints and suggestions posted in each school building;
- virtual reception, which includes a blog of the rector, vice-rector for directions blogs, blogs heads of departments and blog on career guidance;
- forum on the site of the university;
- consumer monitoring system;
- system of complaints and suggestions.

In the site of the university in the "Structure" there is information about the leaders of educational programs (deans, heads of graduate departments) indicating audiences, phones and e-mail addresses. On the personal pages of the rector and vice-rector for directions provides information on hours reception on personal matters.

Students, employees and stakeholders can apply personally to the heads of departments, deans, vice-rectors, the Rector in specially allotted time. Suggestions and recommendations can be made during the meetings of the collegial bodies, composed of students and teachers.

The forum of the University in the conference "Dialogue with the Administration" set up a section where any interested person may leave your wishes, innovative proposals and ideas on development and improvement of the university. All such reports are brought to the attention of the university management.

According to the results of an anonymous survey 66 students of 71 are completely satisfy with the accessibility and responsiveness of the university management (93%) and 5 of them partially met (7%).

In general, a high degree of satisfaction of students and noted the questions in terms of the availability of the dean's office, academic counseling, health services, library resources, computer classes and Internet resources, and others (86-96%).

20 interviewed teachers of the administration of the university of 39 are completely satisfy (51.3%), relationship with the direct supervision – 31 people (79.5%), relationships with students – 37 (94.9%).

Implementation of joint cooperation with other universities is carried out in the directions:

- joint research (together with VPO OmSTU, Omsk, Russian, staff of the department conducted research under the grant funding in 2011-2012);
- publication of scientific articles co-authored, the publication of monographs (eg, co-authored with Chukhina S.G., an assistant professor of philosophy and psychology of OmJA, Candidate of APedagogy, monograph of Savostin A.A., etc., "Practical aspects of the introduction of the theory of identification measurements", published in collaboration with scientists of OmSTU and NKSU named after M.Kozybaev);
- implementation of scientific papers on the basis of the partner university (doing theses by teachers of the department "Building and design" on the basis of SibADI, OSPU, Omsk);
- participation in the meetings of educational-methodical section REMC of the MES of the RK on specialties of architectural-construction and design directions;
- participation in international scientific conferences, competitions of IWSU, exhibitions, seminars (28-30 November 2013 International Festival of architectural and design schools of Eurasia (Istanbul, Turkey);
- participation in student competitions (KazGASA) and international competitions of theses (KazGASA), online conferences (OmJA, OSPU);
- implementation of a program of academic mobility (OmSPU, Omsk).

There has been insufficient work to develop cooperation with leading universities of Kazakhstan implementing EPs "Building" and "Design".

The amount of the grant research in the department of "SandD" was 500 thousand tenge in 2012-2013. In 2015, the head of the department "SandD" Savostin A.A. has participated in the project "Development of intelligent computing devices and systems for diagnosis and monitoring of oil and gas equipment" (the volume of research – 150 thousand tenge).

The department "SandD" has two student research team for accredited EP: Student Scientific Society "Jas Zertteushi" (composed of 25 students of EP 5B072900 "Building") - Senior Lecturer Polishchuk N.Yu.; Student Scientific Society "Contrasts" (composed of 12 students of EP 5B042100 "Design") - Senior Lecturer Shashkina I.S.

The priorities of the department of research consistent with national policies in the field of innovation development (energy saving technology in the design of facilities, technology, "green building").

Within the accredited EPs 5B072900 and 5B042100 it's signed long-term cooperation agreement with LLP "Basis", LLP "Factory of prefabricated buildings and structures", LLP "Sevstalkonstruksiya", LLP "Unity", LLP "Arhstroy", LLP "VAST SK", LLP "Stage". The contracts involve conducting field trips of students' practical training in production, joint R&D, scientific and practical seminars on innovations in the field of construction and design.

In order to develop and maintain academic mobility in the university established the Center for Academic Mobility and International Relations (CAMandER). Center regularly conducts individual and group counseling on academic mobility. It's created and available for students the database of undergraduate majors, master's and doctoral partner universities of the University, as well as a database of national and international scholarship programs. For prompt notification of

students and teachers about the programs of academic mobility the center staff place ads on the home page of the official website of the university.

While organizing the internal and external mobility it's revealed a big difference in the curricula of NKSU named after M. Kozybayev and host. In this regard, it's carried out academic support of students who have left the program for academic mobility. This is done through the organization of educational process of distance learning technologies, and providing training opportunities to extend the examinations to exclude an academic difference.

For the development of academic mobility developed and approved PP NKSU 34 "Regulations on the procedure for the type of credit transfer ECTS». This provision regulates the procedure for the transfer of credits and evaluation of the European System of transfer (transfer) and credit accumulation (ECTS) in loans and evaluation of the Republic of Kazakhstan and vice versa. Credit Transfer the type of ECTS is a tool to ensure national and international recognition of educational curricula of NKSU named after M. Kozybayev, as well as the mobility of students. Credit transfer takes place on the basis of the transcript.

At the department "BandD" the results of the research is of publication for three years: 2012-13 - 10 publications, 2013-14 - 17 publications, 2014-15 - 22 publications of the teaching staff and students.

The uniqueness of accredited EP is the orientation of the content of accredited EPs to the needs of the North Kazakhstan region, ensuring a high level of information resources, IT-competence of the teaching staff, the application of innovative methods and forms of teaching.

Individuality of development plans of EPs is the possibility of building an individual educational trajectory by choosing subjects, taking into account personal preferences and changing needs of the labor market.

In implementing EPs their compliance with the labor market in fact must be confirmed by the level of employment of graduates. For accredited EPs it's indicated a high level of employment - over the past three years the percentage of employment was 82-100%.

In NKSU named after M. Kozybaev the above-described information systems are successfully operated to support educational programs. Launched in 2004 IACUM "Electronic administration" today is a set of information systems that accompany the entire cycle of the learning process - from the formation of a contingent of students to the final certification. IACUM "Electronic administration" provides information support and automation of the basic functions of the operational monitoring of educational resources and the management of educational process at the level of administration, deans, heads of departments, services and departments that provide service learning process.

Introduced in management IMS "Internal Audit", "The decisions of administration and the Academic Council", "Calendar artist", "Register of the standard documentation", "Electronic acquaintance journal" make it very easy to inform employees of the university of different levels on the implementation of the necessary actions and decisions.

The basis for the reporting units, analytical reports on various areas of work for the collective bodies to make operational and strategic decisions is the statistical information from these systems.

All of the above information systems provide the executive staff of the university to track indicators that characterize the educational programs required for operational, tactical and strategic management of educational process. All this allows us to different levels of management education program to make decisions based on objective information and facts.

Question for students about the usefulness of the web-site of the organization as a whole and in particular faculties showed that 90.1% of the respondents are completely satisfied, 9.9% - partially satisfied.

Strong positions of EP:

- compliance of priorities of research with the national policy in the field of innovation development;

- process approach to the management of EP, advanced reporting mechanisms for determining the dynamics in the activities and implementation plans;
- documentation (within the QMS) of all major business processes on 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;
- the presence of a mechanism of communication with the interested parties in the activities of the university;
- making of 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, teaching staff and other stakeholders.

Weak positions of EP:

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

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

1. to develop the Development Plan of EPs updated with the strategic directions of development of the university;
2. to establish cooperation with the leading universities of Kazakhstan implementing the same EPs, including for realization internal academic mobility programs;
3. to ensure the continued involvement of stakeholders (employers, students) in the collegiate governing bodies of EP;
4. to create an operating system mechanism for measuring the degree of satisfaction of needs of teachers, staff, students with monitoring of the effectiveness of corrective actions on the identified inconsistencies and weaknesses.

Thus, EEC notes that 13 criteria of this standard have a strong position, 20 criteria - satisfactory, and 4 require improvement.

4.2 Standard «Specificity of Education Program»

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 has begun to develop a modular educational program (MEP) 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," GNI NKSU 53 "Regulations on the development and design of modular training programs."

After the OP is completely designed it's provided its 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 IACUM "Electronic administration" in the module "Competencies of specialties."

Within preparing on the accredited EPs it's provides formation of individual learning trajectories of teaching for the following specializations:

- for students of EP 5B072900 "Building" - educational trajectories: 5B072902 "Technology of Industrial and Civil Engineering" and 5B072903 "Calculation and design of buildings and structures";

- for students of EP 5B042100 "Design" - educational trajectories: 5B042101 "Architectural Design" and 5B042102 "Graphic Design".

The formation of individual educational trajectories performed by the procedure PRO NKSU 704-14 "Planning the learning process" and CED by industry, which contained a list of all disciplines at the choice of the component indicating the purpose of the study, executive summary, and expected results of the study. Manual OP provides equal opportunity to study, including, regardless of the language of instruction, on the formation of individual educational program aimed at the development of professional competencies.

However, there is a lack of measures for the diagnosis of students' knowledge at the beginning of the training course and study disciplines.

The graduate department "Building and design" typical actively involves representatives of employers in the development of CED and implementation of accredited EPs in the following areas: formation of the curriculum; the development of practical training; advice; reviewing theses; external quality assessment of knowledge of graduates; the formation of the theses; evaluation of production practices.

Information about the disciplines of educational programs listed in the catalog of elective disciplines on a proposal of employers, as well as about the individual topics proposed by the employers is represented in Table 2.

Table 2 – Participation of employers in the development of educational programs

Discipline	Changes	Employer
5B072900 «Building»		
"Quality control, inspection of buildings and structures"	A new discipline	Goryachev A.A., the deputy director of LLP «Stadia»
Design and operation of linear structures	A new discipline	Vorona M. A., the director of LLP «CK VAM proekt»
"Design Constructions I", "Technology of building production II", "Architecture and building structures", "Constructions of wood and plastics", "Foundations", etc.	Lessons in production on various themes	Timofeev S.P., the director of LLP «Osnovanie».
5B042100 «Design»		
«Volume-spatial composition»	Introduction to the course 2 themes connected with the development of a round sculpture	Popov A.M., the chief specialist of SE «Department of architecture and town building of Petropavlovsk»
«Designing of design objects»	Designing of real architectural objects	Stikhin V.I., the chief architect of Petropavlovsk

«Materials in the graphic design»	A new discipline	Surikov D.N., the director of the advertising agency «New style »
«Materials in the architectural design»	A new discipline	Kyrgyzbaev R.T., Manager of the enterprise of LLP «Reklamservis»

Educational and teaching load of teachers of accredited EPs is carried out according to PP NKSU 02 "Regulations on the norms for calculating the volume of educational work carried out by the faculty," GNI NKSU 38 "Regulations on the organization of the curator/advisor (adviser)," GNI NKSU 50 "Rules of filling individual plan of work of the teacher".

Planning of the educational trajectory (recording on the discipline) is carried out in accordance with the academic calendar. The procedure for recording to the discipline of choice of specialties is organized by the Office (Department) registrar and advisors in electronic information system "Electronic administration", with methodical and counseling department.

There is a system for monitoring the progress of students on an educational path and their achievements. To evaluate the knowledge in the current control, the following forms and methods: oral and written survey, writing control of performance of RGR, combined survey, protection and presentation of papers, homework, tests (open and closed), term papers and projects, essays, semester assignment self-help, etc.

The administration of EPs creates a mechanism to monitor the activities of the university students 'satisfaction and functioning of the system feedback, which includes prompt submission of information on the evaluation of students knowledge. The results of evaluation of knowledge and academic achievements of students on a weekly basis are reflected in the performance of electronic journals; create an electronic journal of the curator.

There is an annual review of the content of curricula and training programs, taking into account current trends in science, changes in the labor market.

On the accredited educational programs the graduate department has demonstrated the presence of the developed models of graduates of educational programs, including knowledge, skills, competencies and personal qualities. The analysis of the model indicates a particular of EP.

The EEC members have interviewed with teachers, employers, graduates of different years, students from different courses. Representatives of companies are participated as employers: design studio "Kaleidoscope", LLP "Reklamservis", design studio «Lion», LLP "SK VAM Project", LLP "K.A.K", SI "Construction of Petropavlovsk."

Assessment of the quality of educational programs had been based on the analysis of modular educational programs, job training plans, the catalog of elective disciplines UMKD, questioning students and faculty, visiting session of the SJC.

They were visited and social infrastructure of the university, library, classrooms and laboratories.

Questioning of students, interviews with participants in the educational process, viewed from the material base shows that the learning process is regularly used information and computer technology. For teaching students skills constitute professional computer programs at the department are actively used in the educational process licensed software products of SAPR AutoCAD, the forums VC SCADOffice, CAD software, "Hector designer-builder", compass, SANA, CorelDRAW, 3D-MAX, Photoshop.

It's introducing disciplines in EPs that allow getting the skills to work on the equipment used in the production.

There is a balance between the theoretical and practice-oriented disciplines, the name and content of the courses correspond to the actual directions of OP and OP professional content.

However, the Commission notes the lack of data on the harmonization of the content of EPs with EPs of leading foreign and Kazakhstan universities and the lack of measures for the

development of joint EPs with foreign universities, as well as measures to attract Kazakhstan research institutions to the educational process.

Strong positions of EP:

- the presence of the developed models of the graduate;
- active involvement of typical representatives of employers to the processes of EPs development;
- definition of the content, scope, logic of building an individual educational trajectory depending on the chosen specialization within the OP;
- having a balanced theoretical and practice-oriented disciplines of professional context;
- various activities within OP students to achieve professional competences;
- availability of personal assistance and counseling students on an individual educational trajectory;
- transparency of the process and criteria for assessment.

Weak positions of EP:

- the lack of harmonization of the content of EPs with EPs of leading foreign and Kazakhstan universities;
- the lack of diagnosis of students' knowledge at the beginning of the training of course and studying of disciplines;
- the lack of joint educational programs with foreign universities.

By this standard, the Commission recommends:

1. to implement measures to harmonize the content of EPs with EPs of leading foreign and Kazakhstan universities;
2. to diagnose students' knowledge at the beginning of the training of course and studying of disciplines; ("input slice of knowledge");
3. to organize the event for the opening of joint educational programs with foreign partner universities.

Thus, EEC notes that 12 criteria of this standard have a strong position, 18 criteria - satisfactory, and 3 require improvement

4.3 Standard «Faculty and Teaching Efficiency»

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

Information on contingent of the faculty participated in the implementation of accredited EP is given in Table 3.

Table 3 – Contingent of the faculty participated in the implementation of EP

Academic year	Total	Including staff	Including				With degree, %
			Doctors	Candidates	PhD doctors	Masters	
5B072900 - Building							
2012/2013	31	31	2	13	1	4	52
2013/2014	25	25	1	11	1	3	52
2014/2015	20	20	1	10	-	2	55
5B042100 - Design							
2012/2013	24	24	1	11	-	7	50
2013/2014	20	20	1	8	1	8	50
2014/2015	20	20	1	9	-	7	50

Graduate department of the accredited EPs is the department "Building and design", which has 12 teachers, including 1 - pluralistically. There are 2 Candidates of Science, 5 Masters among the employees of the department "Building and design".

The Head of the department "Building and design" has a Candidate of Technical Science 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.

The university developed a system of training, professional and personal development of the teaching staff. Good practice is to expand the forms of training PPP (PC courses, internships, seminars, trips to near and far abroad). The process of training is regulated PRO NKSU 602-14.V IPPK within NKSU named after M. Kozybayev staff of the department to improve their skills at the courses: "Distance education", "The study of state and foreign languages", "The use of interactive complex SmartBoart 680i» and others. Outside the university training carried out on the basis of PKI central universities of Kazakhstan, South Kazakhstan State University named after M. Auezov (Chimkent), Karaganda State Industrial University (Karaganda), KazNAA named after T. Zhurgenov (Almaty), EKSTU. D. Serikbaeva. Za period from 2011 to 2014 in various training programs have been training 12 teachers of the department "Building and design", which is 100% of the strength of the full-time teachers of the department at the moment carried out graduate studies in 6 people in directions "Pedagogy of Higher Education", "Building" (SibADI) and "Chemistry" (NKSU named after M. Kozybayev).

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

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

Monitoring of satisfaction of teachers is provided through questionnaires and personal interviews of the administration with the staff.

Evaluation of teachers' activity is carried out in accordance with the regulations of the university - PP NKSU 03 "Regulations on the internal rating system of evaluation of the teaching staff, faculty, institute, faculty". The Rating System of teachers' activity evaluation is an effective mechanism to stimulate personal and professional development of the teaching staff, with a significant financial reward faculty who have reached significant results in all areas.

The teaching staff of the accredited EPs conducts scientific research, the results of which are published in scientific journals, materials of national and international conferences.

In the period from 2011 to 2014 teachers of the department "BandD" have published a total of more than 45 scientific articles in national magazines of Kazakhstan; in collections of materials of foreign scientific conferences; in collections of materials of the Kazakhstan international and national scientific conferences.

The teaching staff is carried out the scientific research in the priority areas of research of the department: "Design, calculation and analysis of constructions methods using CAD" on the

basis of the virtual lab "CAD of building structures", "Research and testing of mechanical and physical properties of the samples of wooden structures with different kinds of stress-strain state", "Development of the computer equipment and software and hardware systems based on the theory of identification measurements and converting data signals and processes and their production", "High-precision automated system of rotation-lift freight cars", "Development of the communicative competence of students of non-teaching profession".

The teaching staff of EP pays great attention to students' acquisition of practical skills in the learning process. In all special subjects students perform course projects and works, which are small specialized applied research on specific topics of the discipline.

The staff of the department actively applies innovative teaching methods and information and communication technology in the educational process:

- Quality tools "Diagram Tree Project" CAD in construction;
- Seminar-business game "High School";
- Seminar-discussion "The application of the principles of the international standard ISO9001: 2008" in the construction organizations";
- Quality tools "Method of projects";
- Cinquain;
- Case method;
- Business game.

When asked "How high may teachers use their own strategies, methods and innovations in the learning process in teaching?" it's got the following results:

- strategy: 30.8% - excellent; 59% - good, 10.3% - relatively poorly;
- methods: 51.3% - excellent; 46.2% - good, 2.8% - relatively poorly;
- innovations in the learning process: 61.5% - excellent; 35.9% - good 2.6% - relatively poorly.

The teaching staff of EP observes the principles of ethical behavior and adheres to the rules of the corporate culture of the university. The moral and psychological atmosphere is stable, friendly and with team spirit in the department, which ensures the implementation of educational programs.

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);
- the proof of conducting of all types of planned load by teachers;
- the completeness and adequacy of individual planning of the teaching staff work for all activities;
- mechanisms of encouraging the personal and professional development of teachers and employees;
- the high IT - competence of the teaching staff, active application innovation IT-tools in the educational process.

Weak positions of EP:

- insufficient development of academic mobility of the teaching staff, attraction of the best foreign and domestic teachers;
- the lack of attraction of the known scientists, public and political, honored figures to the implementation of EP.

On this standard the Commission recommends:

1. to develop measures for ensuring academic mobility of the teaching staff, attracting the best domestic and foreign teachers to implement the EP;
2. to involve the known scientists, public and political, honored figures to the implementation of EP.

Thus, EEC notes that 5 criteria of this standard have a strong position, 14 criteria - satisfactory, and 2 require improvement.

4.4 Standard «Students»

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

Table 4 – Contingent of students of the accredited programs

Academic year	Study form	AI students	Learning on the grant	Learning on a paid basis	Learning in Kazakh language
5B072900 - Building					
2012/2013	Full-time	90	68	22	1
	Part-time	55	0	55	1
	Total	145	68	77	1
2013/2014	Full-time	74	52	22	1
	Part-time	35	0	35	0
	Total	109	52	57	1
2014/2015	Full-time	51	31	20	5
	Part-time	18	0	18	0
	Total	69	31	38	5
5B042100 - Design					
2012/2013	Full-time	81	3	77	0
	Part-time	0	0	0	0
	Total	81	3	77	0
2013/2014	Full-time	63	4	59	0
	Part-time	0	0	0	0
	Total	63	4	59	0
2014/2015	Full-time	54	4	50	0
	Part-time	0	0	0	0
	Total	54	4	50	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.) to 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 students can be seen in the results of the SFA. Analyzing the results of the final certification of the bachelor, it should be noted that students pass a comprehensive examination on "excellent" and "good", it means 85-100 grades. The average percentage of quality in the state exams for the period from 2012 to 2015 on EPs "Building" and "Design" 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 is working on anti-corruption measures during the current control of knowledge, and interim assessment of students. The interim assessment carried out during the event "Clear session". Exams in orally form, as well as protection of coursework and projects are

carried out only in the form of a commission (the number of commission members - 3 persons). The examination in the form of computer-based testing is carried out by teachers, who are not teachers for the discipline, which is controlled by computer-based testing procedure. Students have the opportunity to submit an application to appeal the results of the exam; the appeal is considered by the members of the approved appeal commission.

The results of the evaluation of the knowledge students can see through the portal of the university, access to which is carried out through a personal login, password. Reflecting the results of progress in the information portal is realized in electronic grade book weekly.

The University operates a system of measures to help students who have problems with academic performance. For example, students who have not passed landmark or total control for a good reason, set the terms of their individual delivery. Individual schedule of examinations is allowed in case of confirmation of force majeure: sickness, maternity and others. Provided the rules of the loan program, the internal regulations and the Charter of the University. To eliminate the academic student debt, regardless of training, should re-examine this discipline in the terms established by the dean's office. To re-study of discipline it's allowed the students who have paid for the re-training. In the summer semester classes are held on the approved schedule or on individual timelines of the teaching staff.

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

The Commission has noted the absence of measures (training of working professions, for training in the periods of practical training) for professional certification in the field of specialization of in the learning process.

As part of the educational programs it's carried out the planning of SRWS. Each year, students participate in university and republican competitions of scientific works. Students have a publication as together with the teachers, as well as in the individual, student collections.

According to EP 5B072900 "Building" as a percentage of the total number of students the number of research projects has increased and amounted to respectively in 2012/13 - 2%; in 2013/14 - 2.8%; in 2014/15 - 4.5%. According to EP "Design" data were respectively: - in 2012/13 - 0%; in 2013/14 - 2.6%; in 2014/15 - 3%.

As part of EP 5B072900 "Building" a student scientific society "Zhaszertteushi" is worked. SSS carries out work in three directions: "Design, calculation and analysis of building structures methods in structural mechanics, including using CAD" on the basis of the virtual lab "CAD of building structures"; "The study of the international green certification systems, and the basic requirements of green standards"; "Investigation of the effectiveness of the principles of international standard ISO 9001: 2008". For students of EP 5B042100 "Design" organized by the SSS "Contrasts", whose main purpose is to create favorable conditions for the intensification of research activity of students, their participation in the research conducted at the university, to provide opportunities for each student to realize their right to the creative development of the personality.

Information on the number of publications on the results of research work of students is presented in Table 5.

Table 5 – Number of students' publications

Educational program	2012/2013 academic year	2013/2014 academic year	2014/2015 academic year
5B072900 «Building»	4	9	13
5B042100 «Design»	17	7	5

Every year students of the department "Building and design" take part in national and international competitions these:

- 2 degree diplomas (Vdovin P.E., Galat D.V.) on the republican competitions graduation projects in KazGASA, Almaty, specialty "Construction", November 29-30, 2012;
- Diploma of II degree (Koshkarova D.A.) and the diploma of III degree (Aliftenova A.E., Grigoriev T.V.) on the III International Festival-architectural and design schools of Eurasia International contest of degree projects (November 29 -30, 2013., Istanbul, Turkey).

In 2012-2014 students of EP 5B042100 "Design" have directed 4 works (Trakimas A., Varsulenko A., Drobysheva L., Levankova O.) to the Republican contest of research works of. Also, students of EP "Design" have taken part in the Republican contest of sketches of billboards aimed at promoting family values. The work of O.Halaim is recognized as one of the best students work.

According to the results of the Republican contest SRWS in 2012 the work of Leontyev S.A. was awarded with diploma of Ministry, in 2012-2013 academic year the student diploma projects (Kayunova T., Leontieva S., Guz I., Lestenko E.) participated in the International contest of graduation projects of students of architectural and design specialties, KazGASA, Almaty. The works of Kayunova T. and Leontyeva S. were awarded with diplomas of III degree.

As part of the "Days of Science" the department "Building and design" carries out interdepartmental competition on disciplines "Engineering Mechanics 1" and "Surveying" annually. Winners of the university Olympiads take part in republican Olympiads in KazGASA, Almaty. The student of EP 5B072900 "Building" Sharipov A.T. received a diploma of III degree in the Republican subject Olympiad on discipline "Engineering mechanics 1" (KazGASA, Almaty, February 23-24, 2012.), the student Grenadyerov V. received diploma of II degree in the subject Olympiad on discipline "Engineering mechanics 1" KazGASA , 26-27 February 2013. On February 2012 the students of EP "Design" Isin B. and Khizhnyak A. took part in the Republican Olympiad on subjects of "Design" in KazGASA, Almaty. The work of Khizhnyak A. was awarded with diploma of III degree, the work of Isin B. was awarded with the certificate of the contest participant.

For the implementation of academic mobility of students is working with domestic and foreign universities. NKSU named after M.Kozybaev has signed agreements on cooperation in the framework of academic mobility with 41 foreign universities and 16 universities of Kazakhstan.

External academic mobility (incoming and outgoing) of students of the accredited EPs is implemented as follows (Table 6):

Table 6 – Academic mobility of students

Year	Number of students	Organization, study courses place
5B072900 «Building»		
2013	12 students of NKSU	Tyumen state architectural-building university, Tyumen, the RF, prediploma practice in 10 weeks
2014	1 student of NKSU (Krendeleva T.)	Tyumen state architectural-building university, Tyumen, the RF, training in the autumn semester of 2014-2015 academic year
5B042100 «Design»		
2015	2 students of OmSPU (Veyzing L. and Borisyuk A.)	Omsk state pedagogical university, Omsk, the RF, training in the spring semester of 2014-2015 academic year

In 2015-16 academic year it's planned to train 3 students of NKSU named after M.Kozybaev at Tyumen State Architectural-Building University with mastering of 9 subjects.

The student of NKSU named after M.Kozybaev has rights and obligations defined by the Law of the Republic of Kazakhstan "On Education", the normative acts of the executive authority in the field of education, the Charter of the University, the internal regulations of the university. For failure of training and individual training plans, breach of duties under the Charter of the university and the Internal Regulations of the student can be applied disciplinary action up to expulsion from the university. Of particular importance in the present conditions the formation of legal consciousness of students, ready to confront illegal actions among young people; improving the social status, civic and patriotic, legal and multicultural education of youth. The university has the student collective bodies. The students are members of the Faculty Council and the Academic Council of the University. The board of the engineering and technical faculty necessarily includes the representative of the student body.

In order to improve the quality of the educational process is carried out internal monitoring of satisfaction with the quality of work of high school students. As part of the monitoring on a scheduled basis it's regularly conducted survey of different groups of students: the annual survey of graduates, thematic surveys of students, targeted surveys, assessment of educational activities of the teaching staff by students.

As part of the Youth Committee (YC) and its individual sectors, as part of the curatorial hours, students of the department "Building and design" are able to engage in the study and analysis of the educational process, the solution of conflicts between teachers and students, organizing seminars on topical issues of education process. Within the framework of the YC it's organized round tables and meetings on issues of student government and interaction with community youth associations of the city, the leaders of the Youth Resource Center of the North Kazakhstan region.

Every year, a number of activities, participants and organizers of which are students of specialties: 5B072900 "Building" and 5B042100 "Design" (scientific conference of graduate students in the framework of "Days of Science" and "Days of quality", the organization of the competition papers, drawings, posters, exhibition of student work, participation in student competitions in the specialty; thematic events).

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. Supported by university students the opportunity to obtain scholarships of the rector, M.Kozybayev scholarships, grants and grants of M.Kozybaev and the rector. 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 - 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 (CVN, creative competitions, theater studios, youth political organizations, self-management bodies).

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 group leaders; messages through advisers.

The process of employment is implemented at a sufficient level. Every year the University organized the general university job fair with the participation of employers of different spheres of activity. The university has introduced IS "Employment", which allows to monitor the distribution and employment of graduates. For all the graduates it's formed a data bank on their distribution, including the following information: name, address of the organization, which distributed a graduate, as well as the position. For communication with graduates it's formed the bank of their e-mail addresses. Information about the employment of graduates of accredited EPs over the past three years is shown in Table 7.

Table 7 – The degree of employment of graduates

Academic year	Number of graduates, person	Number of graduates, who have a job, person	% of employment
5B072900 - Building			
2011-2012	53	53	100%
2012-2013	24	22	92%
2013-2014	35	35	100%
5B042100 – Design			
2011-2012	22	22	100%
2012-2013	24	24	100%
2013-2014	22	18	82%

The University and the department keep the contact with graduates; there is the Graduates Association. The career development of graduates is monitored. Information about graduates of accredited EPs, who have reached certain achievements in their professional activities is presented in Table 8.

Table 8 – Information about graduates

Name of the graduate	Position
5B072900 «Building»	
Nazarova Zhanara Asherbekovna	PhD Doctor in the specialty «Building», Almaty
Voropay Pavel Aleksandrovich	LLP “Vira-Project”, director
Ruchko Anton Sergeevich	LLP “Spekola”, director
Rustamov Bakhtiyar Rakhimovich	LLP “Amanat-Nord”, director
Milushkov Oleg Sergeevich	«Specmontazh 24. General contractor of Gazprom on the North-East», St.Petersburg, Russia, deputy director of the building and overhaul
Mukashev Marat Kayrollovich	SE «Department of the building of Petropavlovsk», manager of the sector
5B042100 «Design»	
Sheremeteva Larisa Nikolaevna	Director of LLP «Gotika»
Dolmatov Oleg Vladimirovich	Deputy director of LLP «Informvest»
Gorbunov Ivan Vladimirovich	Head of the design department of LLP «Gor oformlenie» Astana
Kokina Evgeniya Dmitrievna	Director of the project studio «Spekola»
Bazaliyskiy Anton Sergeevich	Director of the design studio of Anton Bazaliyskogo» St.Petersburg
Beysenov Marat Beysenovich	Director of AA «Palitra»
Romanova Elena Yurevna	Director of LLP «Studio of floristics and design by Elena Romanova»
Sedneva Nadezhda Sergeevna	Director of the design studio «Rublevka»
Dakhno Igor Evgenievich	Director of the project studio «Nash dom»
Chentsov Ivan Mikhailovich	Director of the design studio «JOY»
Sytnik Yuliya Vladimirovna	Director of the advertisement agency «Grafika»

Strong positions of EP:

- operation of the feedback system, including rapid provision of information on the evaluation of students' knowledge.

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 meet the needs of students, the Commission recommends:

1. to develop a mechanism for professional certification (in particular, the acquisition of workong occupations) of students in the learning process.
2. to expand the academic mobility of students, in particular, within the internal mobility (cooperation with leading universities of the Republic of Kazakhstan).

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»

Equipped laboratory and general purpose auditorium are used when training specialists in educational programs implemented in NKSU named after M.Kozybaev. Laboratories are provided with the necessary equipment for the conducting classes qualitatively, the implementing of scientific research. Laboratories are used in the process of conducting laboratory studies on relevant subjects to perform experimental research works of students.

Material resources of specialized rooms are presented by computers, interactive whiteboards, language equipment, audio-video equipment, multimedia projectors, copiers, software products.

To implement EPs 5B072900 "Building" and 5B042100 "Design" the number of specialized classrooms and laboratories, details of which are given in Table 9 are fixed for a special department "Building and design".

Table 9 – Specialized classrooms and laboratories fixed for the department "Building and design"

Name of the room	Number of classroom/building	Square
EPC «Miras»	-	8 ha
Studio of drawing and painting (2)	422, 423, /10	36 m ²
Dummy masterly	425/10	36 m ²
Computer class (2)	408, 409/10	36 m ²
Specialized multimedia lecture room (2)	417, 424/10	54 m ²
Classroom of methodic base (3)	404, 415/10	32 m ² .
Test laboratory	10/6	90 m ²
Real-virtual laboratory	213/6	45 m ²
Real-virtual laboratory	15/6	69,70 m ²
Real-virtual laboratory	18/6	50,46 m ²

Specialized classrooms are equipped with visual aids, models and literature for studies on individual blocks of special disciplines.

These audiences are used for training in the disciplines of the department, as well as for independent work of students. Major sufficiently provided with all the necessary teaching materials for teaching disciplines.

Laboratory facilities comply with safety regulations and fire safety. Square laboratory space allows accommodate laboratory equipment and have a sufficient number of seats. With training regularly held briefings on safety, what records are maintained in the magazines.

To implement the EP 5B072900 "Building" test laboratory is used with testing equipment for building materials and hardware, test equipment, tools to accelerate research building

properties of homogeneous soils connected and disconnected. An important role in the implementation of EP 5B072900 "Building" is the presence in the department of real-virtual laboratories (RVL), equipped with modern computer equipment and software.

To implement the EP 5B042100 "Design" studio drawing and painting, still life where the exposed foundation are used, students acquire skills in-kind images of objects, used model workshop, where students develop the skills of modeling, actively used computer labs with specialized software.

Students of EP 5B072900 "Building" use the software CAD for AutoCAD in architectural and construction part of the thesis and course design, the disciplines of architectural profile. RVL "CAD of building designs" are equipped with the VC FORUM SCADOffice. CAD software "Hector designer-builder" is used in the educational process in the performance of organizational and technological part of the thesis, as well as in the performance of tasks for the discipline "Geotechnics II». The software is deployed on the basis of the following educational laboratories: RVL "CAD of building structures"; RVL "CAD of architectural constructions"; RVL "CAD in building the economy".

For students of EP 5B042100 "Design" specialized design software «3dMAX», «AdobePhotoshop», «CorelDRAW», «Autocad» are established, which allow students to create and edit objects of graphic and architectural design, store and process information related to the design objects. For example, the software «AdobePhotoshop», «CorelDRAW», «3dMAX» allow to implement any artistic idea, used in training and in the course and degree designing. 3D-modeling program allows you to: design, modeling and visualization of interior design and architectural sites, the creation of special effects and computer animation in film and animation.

The university operates a health center, which provides free medical care of students, university employees, retirees and veterans of the university. In the health center reception is carried out by physicians in the following specialties: general practitioner, gynecologist, otolaryngologist, ophthalmologist, cardiologist, urologist, physician ultrasound diagnosis, the doctor of functional diagnostics (ECG, echocardiogram). There is the physiotherapy and treatment room. Medical equipment of the health center is estimated more than 30 mln. Tenge.

The University has a modern sports base, which is used for both academic and self-study students. It includes training complex with a swimming pool, including a modern gymnasium and swimming lanes of 50 meters; three gyms, gym fight, weight-lifting room, a ridge and a ski resort; outdoor playground for mini-football 1500m².

The university provides access to the maximum number of students a structured, organized information on readable disciplines - presentation materials, lecture notes, required and optional literature, practical tasks. This is done primarily through e-library NKSU named. M. Kozybayev, access to which is organized on the site of the university. Access to the Digital Library is organized by faculty in the context of educational programs.

Data Book Supply of accredited EP is presented in Table 10.

Table 10 - Book supply of EPs 5B042100 «Design», 5B072900 «Building»

Educational program	Language	Number of students	Book collection					Study book supply	Book supply
			Total	Study book	Methodological book	Science foundation	Own publications		
5B072900 Building	kaz	5	844	523	108	197	16	61,97%	168,8
	rus	51	7015	4347	580	1864	224	61,97%	137,5
	total	56	7859	4870	688	2061	240	61,97%	140,3
5B042100 Design	kaz	-	-	-	-	-	-	-	-
	rus	54	9766	6081	817	2542	326	62,27%	180,85

In order to improve the quality of the organization and efficiency of the educational process, monitoring of the degree of independence of performance by students of diploma works (projects), Master's theses, as well as improve their self-discipline and respect for intellectual property rights all work are tested for plagiarism.

Support educational programs ICT 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.

By analyzing the presence and condition of the equipment, it may be noted that in order to achieve the objectives of the program at the Department has the appropriate material and technical base, which allows the preparation of educational programs 5B072900 "Building" and 5B042100 "Design" with sufficient knowledge, skills and competencies for a competent statement and settlement solutions, creative, design, performance, experimental research or engineering tasks.

Laboratories are equipped with the current settings, display stands and instrumentation and have sufficient capacity to conduct laboratory studies. The content and number of laboratory operations comply with standard curricula and work programs.

Laboratory equipment of the department with the necessary equipment is being planned in accordance with the Program of development laboratories of the Faculty of Engineering and Technology.

Analysis of compliance with classroom and laboratory facilities of the accredited EP regularly conducts at faculty meetings, the Scientific Council of the faculty and the university.

The site of the university in the "Digital Library" contains links to electronic resources, "the Republican Interuniversity Electronic Library" (RMEB), "Kazakhstan National Electronic Library" (KNEB), "Scientific Library of NKSU", "Books from the Rare Fund", and "POLPRED Directories" and "DEC Publishing Lan", "NKSU named. M. Kozybaev in the press", "Statistics SKO" that provide access to full-text publications on scientific and academic areas of the university.

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>).

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 - 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;
- technological support of students and teaching staff in accordance with programs and intellectual inquiry (ability to perform creative works, the use of IT-resources for modeling, database, etc.);
- 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;
- 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 11 criteria of this standard have a strong position, 20 criteria - satisfactory, and 1 requires improvement.

4.6 Standards in the context of separate specialties

4.6.1 Natural and technical sciences

The development of educational program 5BV072900- "Building" is directed to graduates of theoretical and practical training of high level.

Cooperation with the basic enterprises of Petropavlovsk and NKO the department "Building and design" takes the form of guided tours in the production and employment of the studied disciplines of EP 5B072900 "Building". One of the leading construction companies in the region - LLP "Basis" from 201. is a branch of the department "Building and design" and implementing lectures and workshops on a range of disciplines of EP 5B072900 "Building" and EP 5B042100 "Design", "Construction machinery and equipment", "Construction of wood and plastics", "Technology of building production" "Materials and technologies in architectural design."

Almost all disciplines of EP 5B072900 "Building" are based and include elements of mathematics, physics and chemistry.

While studying of special construction disciplines it requires precise mathematical formulation of the problem and its solution with the help of modern computer technology, computer-aided design and modeling. For example, the mathematical basis of the theory of errors in the discipline of "Surveying" is the theory of probability and mathematical statistics. Studying of disciplines "Mechanical Engineering", "Metal Constructions", "Reinforced concrete and stone structures" is based on knowledge of the physical laws of kinematics, statics, dynamics, as well as knowledge of differential and integral calculus; ability to apply mathematical methods of research. Accounting for physical and technical requirements is necessary in the design of buildings in the disciplines of "Architecture 1"; "Architecture of civil buildings"; "The architecture of industrial buildings." In the study subjects "Metal Constructions"; "Reinforced concrete structures"; "Building materials" requires knowledge of

chemical processes, smelting, production of polymer materials; chemical bases of concrete production; fundamentals of production technology of building ceramics.

Competence of graduates catalog of elective disciplines of specialties of the department "Building and design" are prepared while participating of employers.

Within the framework of practical, laboratory work, term papers and IWS there are computational and graphics, sample calculations, mathematical and geometric modeling are considered physical and chemical processes.

There is no comment on this standard.

4.6.2 Art

Educational program "Design" is provided with a large number of hours for independent work of students in all disciplines taught. For self-teaching skills and self-development in all EMCD available teaching materials for students perform tasks for the IWS to perform coursework and projects. The acquisition of skills and self-study students demonstrate self-made in the protection of current practical tasks, tasks for CPO Protection course projects, the implementation of protection of degree projects. While implementing of EP 5B042100 "Design", some teachers of special subjects are practicing professionals in the field of graphic and architectural design (such as the senior teacher, M.Ed. Hamilin AG is a member of the Town Planning Board of Petropavlovsk, artist and designer practitioner).

For students on the specialty "Design" organized activities that contribute to the demonstration of acquired creative skills. Annually the exhibition of the best works of students' contests best coursework, personal exhibitions of students are organized. Students on specialty "Design" regularly visit exhibitions held by the art museum of Petropavlovsk, take part in local, regional, national and international competitions in the field of design and art.

The training process provides discipline and activities aimed at the development of practical experience in the design and production of design objects; trips for students in academic disciplines and practices of the enterprises of Petropavlovsk (LLP "ReklamServis", LLP "Printing", LLP "Basis" Design studio« Lion »). Teachers of the department "Construction and design" conduct classes in production, design organizations, design studios and advertising agencies Petropavlovsk.

An important factor in the framework of EP 5B042100 "Design" is a mechanism of peer review not only of creative examination papers of students, but also oral examinations of coursework and projects, the results of practice.

There is no comment on this standard.

Thus, EEC notes that 8 criteria of this standard have a strong position, 4 criteria - satisfactory.

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

Recommendations on the specialized accreditation of the educational programs

5B072900 – «Building», 5B042100 – «Design»:

1. to develop the Development Plan of EPs updated with the strategic directions of development of the university;
2. to establish cooperation with the leading universities of Kazakhstan implementing the same EPs, including for realization internal academic mobility programs;
3. to ensure the continued involvement of stakeholders (employers, students) in the collegiate governing bodies of EP;
4. to create an operating system mechanism for measuring the degree of satisfaction of needs of teachers, staff, students with monitoring of the effectiveness of corrective actions on the identified inconsistencies and weaknesses;

5. to implement measures to harmonize the content of EPs with EPs of leading foreign and Kazakhstan universities;
6. to diagnose students' knowledge at the beginning of the training of course and studying of disciplines; ("input slice of knowledge");
7. to organize the event for the opening of joint educational programs with foreign partner universities;
8. to develop measures for ensuring academic mobility of the teaching staff, attracting the best domestic and foreign teachers to implement the EP;
9. to involve the known scientists, public and political, honored figures to the implementation of EP;
10. to develop a mechanism for professional certification (in particular, the acquisition of working occupations) of students in the learning process;
11. to expand the academic mobility of students, in particular, within the internal mobility (cooperation with leading universities of the Republic of Kazakhstan);
12. 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 «5B072900- Building», «5B042100 – Design», implemented by the North-Kazakhstan State University named after M. Kozybaev can be accredited for 5 years.