



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТИҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

on the results of the work of the external expert commission on the assessment of compliance with the requirements of the standards of specialized accreditation of educational programs

6B07301 (5B072900) "Construction"

6B02101 (5B042100) "Design"

6B07105 (5B071300) "Transport, transport equipment and technologies"

7M05102 (6M070800) "Biotechnology"

North Kazakhstan University named after M. Kozybayev
in the period from 09 to 11 November 2020

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External expert commission

*Addressed to
The IAAR Accreditation
Council*



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Petropavlovsk, 2020

LIST OF SYMBOLS AND ABBREVIATIONS

AC - Academic Calendar
AIS - Automatic Information System
BD - Basic disciplines
CED - Catalogue of elective disciplines
CT - Complex testing
DET - Distance Education Technologies
DP/DW - Diploma project/diploma work
ECTS - European Credit Transfers and Accumulation System
EELA - External evaluation of learning achievements
EP - Educational programmes
ESG - Standards and guidelines for quality assurance in the European Higher Education Area
EW - Educational work
FC - Final Control
FSC - Final state certification
GED - General education disciplines
HAC - Higher Attestation Commission
HEI - Higher education institution
ICT - Information and communication technologies
ILP - Individual learning plan
IWMS - Independent work of Master's students
IWST - Independent work of students with a teacher
IWT - Independent work of trainees
MC - Mandatory component
MC - Model Curriculum
MEP - Modular educational programmes
MES RK - Ministry of Education and Science of the Republic of Kazakhstan
NKSU - M.Kozybayev North-Kazakhstan State University
OC - Option Component
OTP - Operational Training Plan
PD - Profiling disciplines
PTS - Professorial and teaching staff
QMS - Quality Management System
Rc - Rouge control
RDWS - Research and development work by students
RK - Republic of Kazakhstan
RW - Research work
RWMS - Research work of Master's students
SAC - State Attestation Commission
SESO - State compulsory standard of education
TMC - Training and methodological complex
TMC - Training and Methodological Council
TMCD - Training and methodological complex of the discipline
TMCS - Training and methodological complex of the specialty
UNT - Unified national testing

(II) INTRODUCTION

In accordance with Order No. 99-20-OD of 20.10.2020. Independent Agency for Accreditation and Rating from 09 to 11 November 2020, an external expert commission assessed the compliance of educational programs 6B10101 (5B130100) General Medicine, 6B10102 Pharmacy NJSC " North Kazakhstan University named after M. Kozybayev "(SKU named after M. Kozybayev) (Petropavlovsk) to the standards of primary specialized accreditation of basic medical education programs of the IAAR (No. 68-18/1-OD of May 25, 2018, first edition).

The report of the External Expert Commission (EEC) contains an assessment of the submitted educational programs to the criteria of the IAAR standards, recommendations of the EEC for further improvement of educational programs and parameters of the profile of educational programs.

Composition of the EEC:

1. **Chairman of the IAAR Commission**-Alexey Vladimirovich Shcherbina, Candidate of Economic Sciences, Doctor of PhiloEPhy, Associate Professor, Southern Federal University (SFU) (Rostov-on-Don, Russia);
2. **Foreign expert of IAAR**-Larisa Dmitriyevna Kostelova, Candidate of Pedagogical Sciences, member of the Guild of Experts in the field of Professional education (Novokuznetsk, Russia);
3. **Foreign expert of IAAR**-Bazikov Alexander Sergeevich, Honored Artist of the Russian Federation, Doctor of Pedagogical Sciences, Professor, Gnessin Russian Academy of Music (Russia, Moscow);
4. **International expert of IAAR**-Sousana Michailidou, Vice-Rector for Academic Affairs, Professor at Webster University in Athens, Vice-President of the EurEPEan-Mediterranean Academy of Arts and Science (Greece);
5. **Foreign expert of IAAR**-Valentina Alexandrovna Markova, Ph. D., Associate Professor, St. Petersburg State Chemical and Pharmaceutical University of the Ministry of Health of the Russian Federation (St. Petersburg, Russian Federation);
6. **IAAR expert** - Larisa Anatolyevna Lebedeva, PhD, Associate Professor, Abai Kazakh National Pedagogical University (Almaty);
7. **IAAR expert**-Kegenbekov Zhandos Kadyrhanovich, Candidate of Technical Sciences, Associate Professor, Kazakh-German University (Almaty);
8. **IAAR expert** - Aliya Kairatovna Aldungarova, PhD, Associate Professor, NAO " Toraigyrov University "(Pavlodar);
9. **IAAR expert**-Kudabayeva Aigul Kaldybekovna, Candidate of Technical Sciences, Associate Professor, Taraz Regional University named after M. H. Dulati (Taraz);
10. **IAAR expert**-Rustem Tukenovich Omarov, Candidate of Biological Sciences, PhD, L. N. Gumilyov Eurasian National University (Nur-Sultan);
11. **IAAR expert**-Madiyeva Galiya Bayanzhanovna, c.p.s., Associate Professor, Al-Farabi Kazakh National University (Almaty);
12. **IAAR expert**-Elena Anatolyevna Abenova, c.p.s., Associate Professor, Narkhoz University (Almaty);
13. **IAAR expert**-Zakirova Dilnara Ikramkhanova, PhD, Turan University (Almaty);
14. **Expert IAAR** – Akybaeva Gulvira Saitbekova, c.e.s., IT University of Astana (the city of Nur-Sultan);
15. **IAAR expert**-Galiakbarova Guzal Gazinurovna, PhD, L. N. Gumilyov Eurasian National University (Nur-Sultan);

16. **IAAR expert**-Zhumabekov Meiram Kenesovich, Candidate of Philology, Associate Professor, Karaganda University named after Academician E. A. Buketov (Karaganda);
17. **IAAR expert**-Saule Zhorabekovna Burbekova, c.ph.s, Associate Professor, Astana IT University (Nur-Sultan);
18. **IAAR expert**-Niyazova Raigul Esengeldievna, Candidate of Biological Sciences, Al-Farabi Kazakh National University (Almaty);
19. **IAAR expert**-Kulzhumieva Ayman Amangeldinovna, c.p.m.s, Makhambet Utemisov West Kazakhstan University (Uralsk);
20. **IAAR expert**-Khamraev Sheripidin Itakhunovich, Candidate of Technical Sciences, Professor, Abai Kazakh National Pedagogical University (Almaty);
21. **IAAR expert**-Gabdulina Ainur Zhumagazyevna, c.h.s., Acting Associate Professor, S. Seifullin Kazakh Agrotechnical University (Nur-Sultan);
22. **IAAR expert**-Isayeva Kuralai Smetkanovna, c.t.s., NJSC "Toraigyrov University (Pavlodar);
23. **IAAR expert**-Tautenov Ibadulla Aigalievich, Doctor of Agricultural Sciences, Professor, Korkyt Ata Kyzylorda University (Kyzylorda);
24. **IAAR expert**-Nurgazy Kuat Shaipollauly, Doctor of Agricultural Sciences, Professor, Kazakh National Agrarian University (Almaty);
25. **IAAR expert**-Gani Zhasymbekovich Stybaev, Candidate of Agricultural Sciences, Professor, S. Seifullin Kazakh Agrotechnical University (Nur-Sultan);
26. **IAAR expert**-Omarkulov Bauyrzhan Kadenovich, c.m.s., Associate Professor, NJSC "Medical University of Karaganda" (Karaganda, Republic of Kazakhstan);
27. **IAAR employer**-Yuri Alexandrovich Pilipenko, the Chairman of the Board of Directors, International Association of Manufacturers of Goods and Services "EXPOBEST" (Almaty);
28. **IAAR Employer**-Mikhail Grigoryevich Rezov, Chief Specialist of the Department for Electronic Document Management Support, National Information Technologies JSC (Nur-Sultan);
29. **IAAR student**-Aziza Zhomartovna Rakhimova, the 4th year student of EP "Construction", Karaganda Technical University (Karaganda);
30. **IAAR student**-Svetlana Sergeevna Bobkova, the 4th year student of EP "Finance", A. Baitursynov Kostanay Regional University (Kostanay);
31. **IAAR student**-Almukhanov Ablai Khan Kabdrashitovich, the member of the Alliance of Students of Kazakhstan, the 4th year student of EP "Agronomy", Kokshetau University named after Sh. Ualikhanov (Kokshetau);
32. **Observer from the IAAR Agency**-Kanapyanov Timur Yerbolatovich, PhD, Head of International Projects and Public Relations of the IAAR (Nur-Sultan).

(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION

North Kazakhstan University named after Manash Kozybayev is one of the oldest educational institutions of the Republic of Kazakhstan with the 83-year history, which is established by the resolution of the Cabinet of Ministers of the Republic of Kazakhstan dated 02.06.1994, No. 584 on the basis of Petropavlovsk pedagogical Institute named after K. D. Ushinskiy dated 1937. In the formation and development of one of the oldest educational institutions in the country, the following stages can be distinguished::

- 1937-opening of the Petropavlovsk Teachers ' Institute on the basis of the resolution of the Council of People's Commissars of the Kazakh SSR of March 19, 1937, due to the tasks of further development of the education system in the region. According to the order of the

People's Commissariat of Education of the Kazakh SSR No. 835 of July 25, 1937, classes began on September 1, 1937 at two faculties: natural geography and history.

- 1938-opening of the part-time department of Petropavlovsk Teachers ' Institute.
- 1939-the Petropavlovsk Teachers ' Institute was granted the status of a state one.
- 1945-The Petropavlovsk State Teachers ' Institute was named after the great teacher of the XIX century K. D. Ushinsky.
- 1955-Reorganization of Petropavlovsk State Teachers ' Institute into Petropavlovsk Pedagogical Institute.
- 1978-Reorganization of Petropavlovsk General Technical Faculty of Ural Polytechnic Institute into the General Technical Faculty of the Karaganda Order of the Red Banner of Labor Polytechnic Institute with evening and part time forms of education.
- 1982-Formation of Petropavlovsk branch of the Karaganda Polytechnic Institute.
- 1994-opening of Higher Technical College on the basis of Petropavlovsk branch of Karaganda Polytechnic Institute.
- 1994-opening of North Kazakhstan University on the basis of Petropavlovsk Pedagogical Institute.
- 1996-The merger of North Kazakhstan University and Higher Technical College into a single higher educational institution- North Kazakhstan University
- 2001-By the Decree of the Government of the Republic of Kazakhstan No. 163 of January 31, 2001, North Kazakhstan University was granted the status of a state university.
- 2003-By the Decree of the Government of the Republic of Kazakhstan No. 497 dated May 30, 2003, North Kazakhstan State University was named after Academician Manash Kozybayev.
- 2005-Certification of the quality management system of the university for compliance with the requirements of ISO 9001: 2000 was carried out.
- 2012-Reorganization into the Republican State Enterprise on the right of economic management "North Kazakhstan State University named after Manash Kozybayev" of the Ministry of Education and Science of the Republic of Kazakhstan.

The mission of the University is to be an intellectual center of education, science and culture, a driver of socio-economic development of Northern Kazakhstan.

Participation of the university in rating programs:

NKU named after M. Kozybayev annually participates in the General Ranking of IAGQE universities, in the ranking of IAGQE sites - according to the IAGQE rating in 2020, the university's website entered the tEP 10 best websites and took the 6th place. At the same time, the site took the 4th place in terms of information content and the 5th place in terms of the number of web pages. In addition, since 2018, M. Kozybayev NKU has participated in the rating of NCE RK "Atameken" (36 EP took 1,2,3 places). The university also takes part in the rating of the Independent Accreditation and Rating Agency (IAAR), according to the results of which 36 programs took 1,2,3 places.

The university participates in the QS, QS Emerging Europe and Central Asia Ranking (2020-301-350 th place), in the international Webometrics ranking (2020-33rd place), in the European Standard (ARES) ranking of higher education institutions, which is formed by the European Scientific and Industrial Chamber according to EU standards (2020-15th place).

Awards of the University

- Award of the European Quality, European business Assembly, 2006;
- Diploma for participation in the quality award "Altyn Sapa 2007", the Government of Kazakhstan, 2007;
- National certificate "industry Leader 2013", MES RK, 2013;
- Diploma "For achievements in improving the quality of products and degree of satisfaction of needs", the Committee for technical regulation and Metrology of the Ministry of investments and development of Kazakhstan, 2016

Structure and EP of the university:

According to the website of the University, in 2020-2021, 57 bachelor's degree programs, 40 Master's degree programs, and 7 doctoral degree programs were enrolled in NKU (<https://www.nkzu.kz/page/view?id=69>)

Today there are 6 faculties in the structure of the university: "Mathematics and Natural Sciences", "History, Economics and Law", "Engineering and Digital Technologies", "Pedagogical", "Agrotechnological", "Foundation", as well as the Higher School of Medicine, the Institute of Language and Literature, which includes 29 departments (<https://www.nkzu.kz/page/view?id=78>).

Library resources. The library units are located in four academic buildings of the university and cover an area of 2293 m². The service system includes 5 reading rooms, the hall of the First President of the Republic of Kazakhstan, an electronic reading room, a catalog room, a hall of rare and valuable literature, an information and bibliographic hall (335 seats), 7 delivery desks. The library is equipped with the necessary telecommunications equipment, means of communication, the number of computer equipment totals 125 units, of which 93 are automated workstations of users, have free access to the Internet. The library fund of the university has as of 01.01.2020 -1046552 copies, of which scientific literature – 101394 cEPIes, educational-871000 copies, art-42035 copies, in foreign languages-27770, on CD-carriers-4353 The volume of the electronic catalog includes 261315 bibliographic records. Considering the needs of students and faculty in relevant academic journals periodicals issued in 1st half of 2020 165 titles of magazines and newspapers in the Kazakh language magazines - 39 names, of newspapers - 10 items 28, in a foreign language - 5 magazines.

The contingent of students of the university as of 01.11.2020. The contingent of full-time students as of November 01, 2020 is only 7558 people, of which: on the basis of a state educational grant – 133.

The total number of full-time teachers at the university as of 01.11.2020 is 429 people, including 9 doctors of science, 119 candidates of science, PhD-17, masters-249. The average age of teaching staff at the university is 45 years. Academic degree holders rate– 33.7 %.

The contingent of students of accredited OP on November 01, 2020 is:

- 6B07301 (5B072900) "Construction" 173 students, including in state language - 64, including: on the basis of state educational grant – 101 people, on a commercial basis – 72, full-time form of study 125 students, remote – 48 students;

- 6B02101 (5B042100) "Design" - 70 students (there are no students in the state language), of which: on the basis of a state educational grant – 5 people, on a commercial basis-65, all full-time students;

- 6B07105 (5B071300) " Transport, transport equipment and technologies-110 students, including 34 in the state language, of which: 64 students on the basis of a state educational grant, 46 on a commercial basis, full-time education-77 students, distance learning-33 students;

- 7M05102 (6M070800)" Biotechnology " - 3master's students, all are trained full-time, with Russian language of study.

Currently, the training of bachelors and master's students in all EP is carried out on the basis of license No. 12016901 dated 19.11.2012, issued by the Committee for Control in the Field of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan dated July 19, 2019 No. 608.

Information about the department " Construction and Design»

Training of specialists of the accredited EP 6B07301 (5B072900)" Construction", 6B02101 (5B042100)" Design "is carried out at the Department of" Construction and Design", which was established in September 1982 initially as the Department of"Structural Mechanics and Metal Structures". In December 1985, with the construction of the educational and laboratory building No. 4, the department was renamed the Department of "Construction". The first graduation of civil engineers (31 people), who were trained in the evening form, took place in 1985, in 1986 they were recruited by correspondence, and in 1989 — by full-time training. In 1993, a set of applicants for training in the state language was announced. In 2002-2008, the

Department of "Construction" trained specialists in the specialty "Design, operation and construction of gas and oil pipelines and gas and oil storage facilities". Since 2002, the Department of "Construction" has operated a full-time postgraduate course. Since 2004, the Department of Construction has been training bachelors of Construction in the following specializations: Technology of industrial and civil construction, Calculation and design of buildings and structures, Design, operation and construction of gas and oil pipelines and gas and oil storage facilities. Training of specialists in the specialty "Construction" is conducted on full-time, full-time-distance, accelerated form of training in Russian and Kazakh languages. Since 2019, the EP has been assigned the code 6B07301 "Construction". The EP provides educational trajectories: "Technology of industrial and civil construction" and "Technology of information modeling of construction objects". Since 2015, there is a set of the program "Serpin".

In 1999, the specialty "Design" was opened with two specializations: "Interior Design" and "Fashion Design". The first class consisted of 18 specialists. In 2002, in connection with the expansion of the teaching staff of the specialty "Design", a separate department "Design" was organized, a new specialization was opened - "Graphic Design". Training of specialists is conducted in Russian on a full-time basis. The EP provides educational trajectories: 5B042101 "Architectural design", 5B042102 "Graphic design". Since 2019, the EP has been assigned the code 6B02101 "Design".

In 2012, the Department of "Construction" and the Department of "Design" merged, the Department of "Construction and Design" was formed. In the 2016 academic year, the specialty "Construction" was attached to the Department "Transport and Mechanical Engineering", and the specialty "Design" to the Department "Information Systems". In 2018, the specialties "Design" and "Construction" were again combined under the guidance of Candidate of Technical Sciences, Associate Professor Tanibergenova A. A.

Qualitative and quantitative composition of teachers in the Department:

The Department "Construction and Design" in 2020-2021 year has 11 faculty, degree percent overall, the Department is 18.9 %, TS implementing OP "Construction" – 31,6 % (the target in the doctoral study 2 TS, the defence is expected in 2021), for implementing EP TS "Design" – 28,6 %, of which: c.t.s. – 1, PhD – 1. The average age of academic staff in the Department for 46 years.

Employment of graduates of the last three years according to the accredited EP of the cluster:

- EP 6B07301 (5B072900) "Construction" - 2017-2018 - 72 %, 2018-2019 - 74 %, 2019-2020 – 95 %;
- EP 6V02101 (5V042100) "Design" - 2017-2018 - 71 %, 2018-2019 - 75 %, 2019-2020 - 100 %.

Academic mobility for accredited cluster EP for the period 2015-2020:

- EP 6B07301 (5B072900) "Construction": outgoing-7, incoming-0.
- EP 6B02101 (5B042100) "Design": outgoing-1, incoming-0.

Information about the Department "Transport and Mechanical Engineering»

Training of specialists of the accredited EP 6B07105 (5B071300) "Transport, transport equipment and technologies" is carried out at the Department "Transport and Mechanical Engineering", which was established in December 1985 as the department "Road Transport". The first graduation of automobile engineers was carried out in 1988 in the number of 22 people. In 1987, full-time and part-time education began, and the number of students increased to 200. Since 2004, the department has conducted training in two specialties: 050901 "Organization of transportation, traffic and operation of transport" and 050713 "Transport, transport equipment and technologies". In November 2012, the Faculty of Transport and Construction and the Faculty of Energy and Mechanical Engineering were merged to form the Faculty of Engineering and Technology (ITF). Based on the Department "road transport" and

"mechanical engineering" was created Department "Transport and engineering" under the guidance of Ph. D. V. V. Savinkin

Currently, the department has become the leading educational and scientific complex of the university, where multi-level training of bachelors, master's and doctoral students is conducted in the educational programs in demand in the labor market, including the specialty "Transport, transport Equipment and Technologies". Specialists are trained in Russian and Kazakh, in full-time and external forms of education. The EP provides for educational trajectories: 5B071302 "Cars and automotive industry", 5B071303 "Lifting and transport, construction, road machinery and equipment".

According to the educational program "Transport, Transport Equipment and Technologies", since 2016, a dual training program has been implemented on the basis of the department of "PartnerAvto"LLP.

Qualitative and quantitative composition of the faculty of the department:

The Department "Transport and machinery" in 2020-2021 year there are 19 faculty, percentage of faculty with degrees in the whole Department – is 31.6 %, TS implementing EP – 54,8 % (in the target PhD study 2 TS, the defendance is expected in 2021, in 2019, the Department opened a doctorate PhD on the EP), of which: d.t.s. – 1, c.t.s. – 4 PhD – 1. The average age of academic staff in the Department 50 years-old.

Employment of graduates of the last three years of the accredited EP 6B07105 (5B071300) "TTTand T": 2017-2018 - 79 %, 2018-2019 - 62 %, 2019-2020 – 83 %.

Academic mobility according to the accredited EP for the period 2015-2020: outgoing– 4, incoming-1.

Information about the Department of "Agronomy and Forestry"

Training of specialists of the accredited EP 7M05102 (6M070800) "Biotechnology" is carried out at the Department of "Agronomy and Forestry", which was established on January 16, 2003 as the Department of "Agriculture". Personnel training was conducted in the following specialties: "Farming", "Forestry and park management", "Agronomy", "Standardization and certification of agricultural products". In 2003, the master's degree program in the specialty "Biotechnology" was opened.

On September 1, 2018, during the reorganization of the Faculty of Natural and Agricultural Sciences, the Agrotechnological Faculty was formed, which included the Department of Agronomy and Forestry, which implements EP 5B080100 (6B08101) "Agronomy", 6B05102 "Biotechnology", 6B08102 "Plant Protection and Quarantine", 5B080700 (6B08301) "Forest Resources and Forestry", 7M05102 (6M070800) "Biotechnology", 7M08101 "Agronomy" under the guidance of master Mukanova F. K.

The training period for scientific and pedagogical training is 2 years, for specialized training-1.5 years. Since 2019, the graduate of EP 7M05102 "Biotechnology" is awarded the academic degree of Master of Natural Sciences.

Qualitative and quantitative composition of prepodavatelejj:

The Department "agronomy and forestry" in the 2020-2021 year, employs 22 faculty, percentage of faculty with degrees in the whole Department - 53% of TS implementing EP – 98% of them: c.t.s. – 5 PhD – 2. The average age of academic staff in the Department is 47.

Employment of graduates of the last three years of the accredited EP7M05102 (6M070800) "Biotechnology": 2017-2018 - 100 %, 2018-2019 - 100 %, 2019-2020 -94 %.

Academic mobility according to the accredited EP for the period 2015-2020: outgoing – 10, incoming-0.

Research, contractual projects in the department in the context of accredited EP cluster:

In the implementation of research projects funded from the state budget:

1) *Department of "Transport and Mechanical Engineering»*

- Development and implementation of an energy-efficient technology for restoring the blades of complex geometry of steam gas turbines of TPP with a highly concentrated plasma energy source with an adaptive process control system. The grant of MES RK, Energy and engineering, **28 000 000 tenge.**

- SibRTI International Grant No. 1192, extract from SibRTI Order No. P-16-266/K from 24.10.2016. Development of the theory of interaction of working substances of seals with deformable media. Development of energy-efficient structures of road boilers. Road construction vehicles and complexes. **300,000 rubles.**

- Grant of MES RK 2020-2022 yrs. AP08856129 Development and implementation of new energy efficient technology of laser-plasma manufacture of high-performance deep-well pumping complex production in marginal oil and gas wells with regenerative drive – **58 345 17 tenge.**

2) *Department of "Construction and Design»*

- Technical inspection and registration of technical documentation for an object with an international status - "Construction of a Data center: Industrial building No. 3 with dimensions of 50.0×90.0 meters with a metal frame and enclosing structures", North Kazakhstan region, Petropavlovsk, Ya. Gashek str. 40. Four-storey building with dimensions of 99, 0x20, 0 meters; Industrial building No. 2 with dimensions in the axes of 144, 1x150, 0 meters". With the participation of a student of gr. C-16 Lyapustin K. V.

- Technical survey and design technical documentation for the project, with an international status - "Development of infrastructure of the special economic zone in the city of Petropavlovsk, North-Kazakhstan oblast (Subzone No. 1): Industrial building located on the site of the former plant, North Kazakhstan, Petropavlovsk, Parkovaya 57V". With the participation of a student of gr. C-16 Lyapustin K. V.

- Engineering and geological surveys on the object with an international status - "Development of the infrastructure of the special economic zone in the city of Petropavlovsk, North Kazakhstan region (Subzone No. 1): An industrial building located on the site of the former plant, North Kazakhstan region, Petropavlovsk, Parkovaya str. 57B". With the participation of a student of gr. C-16 Baryshev D. I.

3) *Department of "Agronomy and Forestry»:*

- Scientific project " To develop resource-saving technologies for increasing the productivity of old-growth stands of perennial grasses in the forest-steppe zone of Northern Kazakhstan, (grant funding) PTF of the Ministry of Agriculture of the Republic of Kazakhstan 2018

R & D - on the orders of enterprises:

1) *Department of "Transport and Mechanical Engineering»:*

- Development of a methodology for non-destructive testing and integrated assessment of the concentration of internal stresses in loaded parts recovered by plasma technologies with the ability to predict the life of the unit 300,000 tenge. Scientific supervisor-Savinkin V. V., participants-Ratushnaya T. Yu., PhD candidate; Ivanishchev A. A., PhD candidate. Contract No. 2 dated 22.05.2017 of Sapro NAT LLP, Petropavlovsk.

- Development and testing of energy-efficient technology for restoring parts. Scientific supervisor-Savinkin V. V., participants-Ratushnaya T. Yu., PhD candidate; Ivanishchev A. A., PhD candidate. Contract No. 09/03 from 20.10.2016 yr. LLP "Remplaza" Petropavlovsk.

2) *Department of "Agronomy and Forestry»:*

- Joint scientific research with "ECO TRAPS" LLP (Nur-Sultan) in the field of biologization of agriculture, and in particular testing of biological products and microbiological plant protection products on the basis of the agrobiological station of the University, 2020.

Initiative research projects:

1) Department of "Transport and Mechanical Engineering»:

- Development of equipment for the restoration and strengthening of products using highly concentrated plasma energy sources. Power engineering and mechanical engineering. Registration number 0117KU0658. Scientific supervisor-Savinkin V. V.

-Development of a method of non-destructive testing and integrated assessment of the concentration of internal stresses in loaded parts recovered by plasma technologies with the ability to predict the life of the unit. Registration number 0117KU0652. Scientific supervisor-Ratushnaya T. Yu.

- Development of an energy-efficient hydraulic drive for earthmoving and mining machines based on the energy recovery of the working fluid flow. Road construction vehicles and complexes. Registration number 0117KU0657. Scientific supervisor – V. V. Savinkin

- Improving the reliability and durability of transport, road construction and lifting machines by technological methods. Road construction vehicles and complexes. Registration number 0117KU0660. Scientific supervisor –Tomashetz A. K.

- Development of mechatronic systems of regenerative action of hybrid drive of road construction machines. Road construction vehicles and complexes. Registration number 0117KU0659. Scientific supervisor-Savinkin V. V.

-Joint scientific research within the framework of the agreement between the M. Kozybayev NKU and the Institute of Physics and Technology of the National Academy of Sciences of Belarus, Minsk; agreement No. 92 of 26.05.2017.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

In accordance with the order of the Independent Accreditation and Rating Agency on June 15-17, 2015.in North Kazakhstan State University named after M. Kozybayev, an external expert commission assessed the compliance of educational programs 5B072900 "Construction", 5B042100 "Design", 5B071300 "Transport, Transport Equipment and Technologies, 6M070100" Biotechnology "with the standards of specialized accreditation of the IAAR (dated April 26, 2012, No. 08-OD, second edition).

On June 26, 2015, by the decision of the Accreditation Council, educational programs were accredited for a period of 5 years.

Composition of the previous EEC:

1. Chairman of the Commission-Sakhanova Ardak Nauryzbaevna, Doctor of Economics, Vice-Rector for Strategic Development of Abylai Khan Kazakh University of International Relations and World Languages (Almaty).

2. Foreign expert - Brigita Baltaca, Associate Professor of the Banking Higher School of Business and Finance (Riga, Latvia).

3. Expert-Yerzhan Yertayevich Karsybaev, Doctor of Technical Sciences, Professor of the Department "Lifting and Transport machines and Hydraulics". K. I. Satpayev Kazakh National Technical University (Almaty).

4. Expert-Galina Gennadyevna Vidishcheva, c.t.s., Head of the Registrar's Office, D. Serikbayev East Kazakhstan State Technical University.

5. Expert-Talgat Esmakanbetovich Eschzhanov, PhD, Acting Associate Professor of the Department of Biotechnology and Microbiology, Faculty of Natural Sciences, L. N. Gumilyov Eurasian National University (Astana).

6. Expert – Bodykit Seifolla Zhamauovich, senior lecturer in fine art, associate Dean for academic Affairs, a Member of the designers Union of Kazakhstan, Member of Eurasian Union of designers. Karaganda State University named after E. A. Buketov (Karaganda).

7. Expert-Mutallyapova Shynar Eleusizovna, Candidate of Economic Sciences, Associate Professor of the Department of Marketing and Service of KazATU named after S. Seifullin (Astana).

8. Expert-Svetlana Bakhytovna Zharkenova, Candidate of Law, Associate Professor, Acting Head of the Department of "Civil Law Disciplines" of the L. N. Gumilyov Eurasian National University (Astana).

9. Expert-Seidakhmetova Sholpan Ganievna, lawyer of the Almaty City Lawyers Association (Almaty).

10. Employer-Aubakirov Bulatbek Askarovich, Director of "Audit Firm "Alias-TU" LLP, member of the Chamber of Auditors of the Republic of Kazakhstan (Petropavlovsk).

11. Student-Adilbekova Aksaulesh Adilbekkyzy, the 3rd year student of the L. N. Gumilyov Eurasian National University (Astana).

12. Observer from the agency-Timur Yerbolatovich Kanapyanov, Head of International Projects of the Agency (Astana).

Based on the results of the assessment of the EC, the following recommendations were given: EP 5B072900 "Construction", 5B042100 "Design", 5B071300 "Transport, transport equipment and technologies, 6M070100 "Biotechnology".

Standard "Educational program"

- to elaborate a programming document "development Plan of the educational programme "Transport, transport equipment and technology", establishing deadlines, responsibilities distribution, etc.

- Within the framework of the Development Plan, to measure the degree of satisfaction with the needs of teaching staff, staff and students by providing evidence of the elimination of shortcomings found in the implementation of the Plan.

According to the Standard "Specifics of the educational program"

- to continue cooperation with leading universities of the Republic of Kazakhstan and foreign universities in the development of joint educational programs, conducting joint research, organizing academic mobility of students and university staff;

- to ensure the involvement of domestic and foreign research organizations in the educational process;

- provide for the implementation of the EP to conduct a procedure for diagnosing the knowledge of students at the beginning of the course.

According to the Standard "Teaching staff and teaching efficiency"

- to expand the geography of universities for cooperation and to ensure academic mobility and scientific internships of teaching staff;

- more actively to involve well-known scientists, public and political figures, and honored workers in the implementation of the EP.

According to the Standard "Students»"

- to raise the level of students' awareness of the decisions taken by the collegial bodies on the management of the EP;

- it is necessary to create conditions for students for professional certification in the field of specialization in the learning process.

According to the Standard "Resources available to educational programs"

- to update the material and technical base for the possibility of conducting scientific research by students of the EP;

- to continue equipping the educational process with modern equipment that is adequate to the content of educational programs.

To implement the recommendations, the university developed an action plan approved on 20.11.2015. The results of the planned activities are reflected in the Reports of the IAAR experts on the assessment of the implementation of the recommendations of the IAAR EC, formed as a result of the specialized accreditation of EP 5B072900 "Construction", EP 5B042100 "Design" of the North Kazakhstan State University named after M. Kozybayev (Stage 1 (December 2017), Stage 2 (December 2019)), in the Report on the implementation of

the recommendations of the IAAR EC RSE North Kazakhstan State University named after M. Kozybayev.

Post-accreditation monitoring of the activities of the M. Kozybayev SKU was carried out within the framework of the action plan for the implementation of the recommendations of the EC and was carried out in accordance with the requirements of the regulation on post-accreditation monitoring of 26.12.11.

During the visit, the experts of the EC analyzed the recommendations fulfilled by the university.

Conclusions:

- According to EP 5B072900 "Construction" and 5B042100 "Design" Plans of the EP are considered, developed, approved and put into effect in June 2016 development, the contract is signed on cooperation with foreign universities and universities of Kazakhstan to implement the program "academic mobility" (Kazakhstan, Russia, Poland), invited leading scientists to give lectures with partner universities (Russia, Finland), established the Academic Committee of the faculty under the direction of engineering science, which includes representatives from employers. A mechanism for monitoring the level of satisfaction of all participants in the educational process, including external ones, has been developed and maintained. For the implementation of joint educational programs, a lot of work has been done to harmonize the EP with universities abroad and the Republic of Kazakhstan, to conclude cooperation agreements (Omsk, Tomsk, Russia), to diagnose students' knowledge at the beginning of training, to conduct an "entrance knowledge slice" for the course and study of academic disciplines, a mechanism for professional certification has been developed and operates (in particular, the acquisition of working professions - plasterer (2 categories), bricklayer (2 categories)) for students of the EP "Construction", as well as for the EP Construction and Design, a list of disciplines is defined, the content of which is aimed at preparing students for professional certification. Purposeful work on enhancement of qualification of personnel of the Department (2 TS were enrolled in the doctoral program targeted on EP Construction, an invitation of TS with a degree from outside – c.t.s., associate Professor Tanirbergenov, A. A., master Berikbaev M. A., d.p.s., Professor Kaliev AK).

According to EP 5B072900 "Construction" and EP 5B042100 "Design" all recommendations are fulfilled.

According to EP 5B071300 "Transport, transport equipment and technology" the development Plan of EP 5B071300 "transport, Transport technics and technologies" is approved by 30 June 2016, Protocol No. 10, for 2016-2019, questioning students in postaccreditation the monitoring was conducted annually at the same meeting of the Dean's office (Protocol of meetings of the Dean's office of ITF No. 1 dated 24.09.2014, No. 2 of 27.10.2015) was considered such proposals as: to consider the possibility of inviting scholars and practitioners to conduct classes, to continue work on upgrading laboratory equipment of the Department etc. According to the results of the survey of employers, the discipline "Licensing and certification of road construction equipment" is included in the catalog of elective courses. The cooperation with foreign and domestic universities, such as Scientific-technical society "the Union of Bulgaria", the agreement dated June 19, 2017 No. 15, joint research and publications, also discussed the contract with the Physico-technical Institute of NAS of Belarus No. 92 yr. 26.05.2017. For the post-accreditation period for lectures on EP 5B071300 "Transport, transport equipment and technologies" was involved Professor of the Siberian State University of Railways and Communications Abramnikov Dmitry Eduardovich (contract No. 3 of 22.11.2016) Doctor of the University of Nova de Lisboa (Portugal), Ph. D. Tolstoguzov A. B. (Contract No. 2 of 06.12.2016), studied contract No. 4 of 23.11.2016 Professor of the Technical University of Sofia (Bulgaria) PhD Hristov V. V. To improve the implementation of EP 5B071300 "Transport, transport equipment and technologies", a research laboratory "Non-destructive testing and evaluation of physical and mechanical properties of materials" was established on the basis of the Department "Transport and Mechanical Engineering".

According to OP 5B071300 "Transport, transport equipment and technologies" all recommendations are fulfilled.

- EP 7M05102 (6M070800) Biotechnology managers considered, developed, approved and put into effect in June 2016 development Plans EP; concluded the contract on cooperation with foreign universities and universities of Kazakhstan to implement the program "academic mobility" (Kazakhstan, Russia, Poland, China, Belarus); the agreement with the University of Vytautas Magnus in the program of double-diploma education (Lithuania, Kaunas); "invitation of leading scientists to give lectures with partner universities" (Kazakhstan, Russia, China, Italy); created by the Academic Committee of the faculty in the direction of "Agriculture, forestry", which includes representatives from employers, developed and maintained a mechanism to monitor satisfaction of all participants of educational process, including the external; for the implementation of joint educational programs, the harmonization EP with universities abroad and in Kazakhstan. For the diagnosis of students' knowledge at the beginning of training, on the course and study of academic disciplines, an "input cross-section of knowledge" is carried out»; For the EP "Biotechnology" (master's degree), a list of disciplines is defined, the content of which is aimed at preparing students for professional certification. Purposeful work on enhancement of qualification of personnel of the Department (to ensure quality personnel are currently two teachers of the Department "agronomy and forestry" Balakhmetov T. A., Galieva A. study on 2 course of doctoral studies at northwestern University of Agriculture and Forestry (China), the field of study "plant Biotechnology"). On the basis of the department, a new laboratory was opened together with the Northwestern University of Agriculture and Forestry (China, Yangling).

According to EP 7M05102 (6M070800) Biotechnology, all recommendations are fulfilled.

(V) DESCRIPTION OF THE EEC VISIT

The work of the EEC was carried out on the basis of the approved Program of the online visit of the expert commission on specialized accreditation of educational programs to the M. Kozybayev NKU in the period from 09 to 11 November 2020.

To coordinate the work of the EEC 08.11.20 a kick-off meeting was held, where were distributed the powers between the members of the Commission, schedule of the visit was revised, the choice of methods of examination was agreed.

To obtain objective information about the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, online meetings were held with the acting rector, vice-rectors of the university in the areas of activity, heads of structural divisions, deans of faculties, heads of departments, teachers, students, graduates, employers. A total of 73 people took part in the meetings (Table 1).

Table 1-Information about employees and students who participated in meetings with the EEK IAAR:

Category of participants	Number
Acting Chairman of the Management Board-Rector	1
Vice-rectors	3
Heads of structural divisions	18
Heads of departments, EP managers	17
Lecturers	11
Students	11
Graduates	7
Employers	5

In total	73
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During the online tour, the members of the EEC has reviewed the material-technical base, visited the faculty of engineering and the digital technology and the faculty of agricultural technology, including: Testing laboratory, laboratory "APS architectural designs and in the economy building", "Workshop of graphics and architecture", "Multimedia auditorium and exhibition hall," a special Cabinet "Workshop of painting and drawing", "model workshop", "Biotechnology of agricultural plants", laboratory"Technical operation of automobiles», "Production and repair of cars", "Electric and electronic equipment of cars", "Internal combustion engines", "Control system of the injection engine", "Device of cars", "Traffic safety", "APS in automobile transport", "Welding production ""Mechanical Engineering", "Machine parts", "Technology of structural materials", "Applied Mechanics", research laboratory"Non-destructive testing and evaluation of physical and mechanical properties of materials".

At the online meeting of the EEC IAAR with the target groups of the M. Kozybayev SKUim, the mechanisms for implementing the university's policy were clarified and the individual data presented in the report on the university's self-assessment were specified.

For the period of accreditation, remote classes were attended: according to EP 6B07301 (5B072900) "Construction" - Construction drawing and computer graphics (gr. C-19k, teacher Agataev A.M.), according to EP 6B02101 (5B042100) "Design" - Composition-2 (gr. DZ-17, teacher Popova Yu. A.). Video recordings of classes were viewed: according to OP 6B07105 (5B071300) " Transport, transport equipment and technologies – Traffic rules (gr. Tr-18, teacher Koptyaev D. A.), 7M05102 (6M070800)" Biotechnology " - Environmental biotechnology (gr. Bt-m-19, teacher Kantarbaeva E. E.).

During the work, the members of the EEK conducted online visits to the following practice bases: "Stadiya" LLP, "V Yablochko" Advertising Agency, "North Kazakhstan Agricultural Experimental Station" LLP, "Petropavlovsk Heavy Engineering Plant" JSC, the Department of Industrial and Innovative Development of the Akim's Office of the North Kazakhstan region.

In accordance with the accreditation procedure, an online survey was conducted of 80 teachers, 140 students, including junior and senior students.

In order to confirm the information provided in the Self-Assessment Report, external experts requested and analyzed the working documentation of the university. Along with this, the experts studied the Internet positioning of the university through the official website of the university <https://www.nkzu.kz>.

Within the framework of the planned program, recommendations for improving the accredited educational programs of M. Kozybayev NKU, developed by the EEK based on the results of the examination, were presented at an online meeting with the management on 11.11.2020.

(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS

6.1. Standard " Educational Program Management»

Strengths/best practices for accredited EP:

- The developed policy and standards of internal quality assurance of M. Kozybayev NKSU (approved by the rector of M. Kozybayev NKSU 17.06.2019 yr.) based on an elaborated register of normative documents of the University, which include a list of all the laws of Kazakhstan, Government programs and strategic documents of the RK, orders and decrees of the Government and the MES, SMSE RK, international standards, and programmes and plans of the University, provisions on collegial bodies, procedures, internal regulations, recommendations, instructions, rules of the University, standards of services of the University, the corporate documents (<https://www.nkzu.kz/DocDb/doc/index>).

EEK recommendation for EP 7M05102 (6M070800) " Biotechnology»

1. The head of the department of "AF", implementing OP 7M05102 (6M070800) "Biotechnology", should pass in the 2020-2021 academic year advanced training courses in the direction of "Management in education".

The conclusions of the EEC:

According to the standard "Educational program Management", 17 criteria are disclosed, of which 1 – has a strong position, 16 - satisfactory.

6.2. Information Management and Reporting Standard»

Strengths / best practices for accredited EP

- are not revealed

EEK recommendation for EP 7M05102 (6M070800) " Biotechnology»

1. The head of the department of "AF", implementing OP 7M05102 (6M070800) "Biotechnology", should pass in the 2020-2021 academic year advanced training courses in the direction of "Management in education".

The conclusions of the EEC:

According to the standard "Educational program Management", 17 criteria are disclosed, of which 1 – has a strong position, 16 - satisfactory.

6.3. Information Management and Reporting Standard»

Strengths / best practices for accredited EP

- are not revealed

EEK recommendations for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and technologies", 7M05102 (6M070800) "Biotechnology":

- no recommendations

The conclusions of the EEC:

According to the Information Management and Reporting standard, 17 criteria are disclosed, of which 17 have a satisfactory position.

6.4. Standard " Development and approval of the educational program»

Strengths for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, Transport equipment and Technology", 7M05102 (6M070800) "Biotechnology":

- are not revealed

EEK recommendation for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) " Transport, transport equipment and technologies»:

1. To develop an action plan aimed at developing professional cooperation with Kazakhstani and foreign educational organizations on EP 6B07301 "Construction", 6B02101 "Design", 6B07105 "Transport, Transport Equipment and Technologies" for the harmonization of modules and the development of joint EP, to begin the development and implementation of joint educational programs until 2023.

Additional EEC recommendation for EP 6B02101 (5B042100) " Design»

2. The management of the EP should bring the content of EP 6B02101 "Design" of the 2019 year of admission in accordance with item No. 31 of the State Mandatory Standard of Higher Education of the Republic of Kazakhstan and make appropriate adjustments to the "Register of Educational Programs of Higher Education".

The conclusions of the EEC:

According to the standard "Development and approval of educational programs", 12 criteria are disclosed, of which:

- according to EP 6B07301 (5B072900) "Construction", 6B07105 (5B071300) "Transport, transport equipment and technologies", 7M05102 (6M070800) "Biotechnology" have 12 satisfactory positions;

- according to EP 6B02101 (5B042100), "Design" has 11 satisfactory positions, 1-suggests improvement.

6.5. Standard " Permanent monitoring and periodic assessment of educational programs»

Strengths / best practices for accredited EP

- Are not revealed

EEK recommendations for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and technologies", 7M05102 (6M070800) " Biotechnology»:

1. The management of the accredited EP 6B07301 (5B072900)" Construction", 6B02101 (5B042100)" Design", 6B07105 (5B071300)" Transport, transport equipment and Technologies", 7M05102 (6M070800)" Biotechnology " should ensure publication on the university's website of all changes made and actions taken in relation to the EP.

Additional EEC recommendation for OP 6B02101 (5B042100) " Design»

2. Systematically make changes to the content of EP 6B02101 "Design" based on the characteristics of the region, the requests of graduates and employers in the field of art and design.

The conclusions of the EEC:

According to the standard "Permanent monitoring and periodic assessment of educational programs", 10 criteria are disclosed, of which 9 have a satisfactory position, 1 suggests improvement.

6.6. The standard "Student-centered learning, Teaching and assessment of academic performance"

Strengths / Best practices for accredited EP

- Are not revealed

EEK recommendation for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and technologies", 7M05102 (6M070800) "Biotechnology»:

1. The management of the University should conduct an intra-university seminar on the use of innovative teaching technologies, including its own research.

The conclusions of the EEC:

According to the standard "Student-centered learning, teaching and assessment of academic performance", 10 criteria are disclosed, of which 10 have a satisfactory position..

6.7. The standard " Students»

Strengths / best practices for accredited EP

-are not revealed

Recommendations for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and technologies", 7M05102 (6M070800) "Biotechnology»:

1. In accordance with the Development Program of the M. Kozybayev NKU for 2020-2024, the management of EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and technologies", 7M05102 (6M070800) "Biotechnology" should include indicative indicators in the development plans of educational programs, in the work plans of departments and implement the items: "participation of students in the program "incoming academic mobility", "participation of students in competitions for obtaining external grants for training".

2. The management of the University should develop and implement a comprehensive program for the organization of academic mobility of teaching staff and students (external and internal) in the online learning mode with the involvement of funds from various sources of funding.

3. The University management should take measures to improve the effectiveness of the Graduates Association, namely, to draw up a work plan for the Graduates Association, to start its implementation, while informing the university graduates about the activities of the association through all possible informative sources.

Additional advice of the EEC for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) Design:

4. The management of EP, in accordance with the development Programme of the NKU named fter M. Kozybaev in 2020-2024 years, should increase the indicative figures in the development plans of the EP, in work plans of departments and to implement the points of engagement of students in research work and national and international competitions.

Additional EEC recommendation for EP 6B02101 (5B042100) " Design»:

5. Develop an action plan for the organization of creative circles/studios for the development of extracurricular activities of students and begin its implementation.

The conclusions of the EEC:

According to the "Students" standard, 12 criteria are disclosed, of which 11-have a satisfactory position and 1-requires improvement.

6.7. Standard " Teaching staff»

Strengths / best practices for accredited EP

- are not revealed

EEK recommendation for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) " Transport, transport equipment and technologies»:

1. In accordance with the Development Program of M. Kozybayev NKU for 2020-2024, the management of EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and technologies": should review the indicative indicators in the plan for the development of educational programs under the strategic plan 3 – Internationalization of the program and to increase the share of teaching staff in the program "external and internal academic mobility".

Additional EEC recommendation for EP 56B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 7M05102 (6M070800) Biotechnology:

2. In accordance with the Development Program of M. Kozybayev NKU for 2020-2024, the management of EP 56B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 7M05102 (6M070800) Biotechnology should increase the indicative indicators in the development plans of the EP, in the work plans of the departments and implement the item: "publication of TS in rating foreign publications", "registration of intellectual property objects".

Additional EEC recommendations for EP 56B07301 (5B072900) "Construction", 6B02101 (5B042100) " Design»:

3. In accordance with the Development Program of M. Kozybayev NKU for 2020-2024, the management of EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design" should review the indicative indicators in the plan for the development of educational programs under the strategic plan 3 – Internationalization of the program and increase the share of teaching staff participation in international competitions, grant programs.

Additional EEC recommendation for EP 7M05102 (6M070800) Biotechnology:

4. The management of EP 7M05102 (6M070800) Biotechnology should optimize the workload of the teaching staff to provide opportunities for active participation of teaching staff in research work.

Additional advice on the EEC for OP 6B02101 (5B042100) Design:

5. OP 6B02101 (5B042100) "Design"managers should develop the mechanism of attraction of national and international organizations to build the professional capacity and development of professional competences of the teaching staff as well as forming the personnel reserve of the University within the areas of activity of EP 6B02101Д Design, including faculty, speaking the state language.

The conclusions of the EEC:

According to the standard "Teaching staff", 12 criteria are disclosed, of which:

- according to EP 6B07301 (5B072900) "Construction", 6B07105 (5B071300) "Transport, transport equipment and technologies", 7M05102 (6M070800) "Biotechnology": 11-have a satisfactory position and 1-suggests improvement;
- according to EP 6B02101 (5B042100) "Design": 10-have a satisfactory position and 2-suggest improvement;

**6.8. The standard "Educational Resources and Student Support Systems"
Strengths / Best practices for accredited EP**
- are not revealed

EEK recommendation for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and technologies", 7M05102 (6M070800) "Biotechnology»:

1. The management of the university should develop an action plan for further improvement of the university's infrastructure, taking into account the special needs of students (ramps, paths for the visually impaired, etc.).

Additional advice on the EEC for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) Design:

2. Leadership EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) Design should work out a long-term plan for staffing of specialized laboratories with modern equipment and software similar to that used in branches of industry on the profile of accredited EP.

Additional recommendation of the EC for EP 7M05102 Biotechnology

3. The management of EP 7M05102 Biotechnology should develop a plan for the timely renewal and modernization of the material and technical base, including the purchase of consumables (reagents and reagents).

Additional recommendation of the EC for EP 6B02101 (5B042100) "Design"

4. To master EP 6B02101 (5B042100) "Design" in full, provide new educational equipment and modern computer graphics software used in the field of design, contributing to improving the quality of training of students and their competitiveness in the labor market.

The conclusions of the EEC:

According to the standard "Educational Resources and Student Support Systems", 10 criteria are disclosed, of which:

- according to EP 6B07301 (5B072900) "Construction", 6B07105 (5B071300) "Transport, transport equipment and technologies", 7M05102 (6M070800) "Biotechnology»: 10-have a satisfying position;
- according to EP 6B02101 (5B042100) " Design»: 9 - have a satisfactory position, 1-suggests improvement.

6.9 "Public Awareness" Standard

Strengths / Best Practices for Accredited EP:

- Informing the public about the university's activities through various sources: official website www.nkzu.kz local and Republican mass media (regional TV channel "Kazakhstan-Petropavlovsk", regional newspapers "Soltustik Kazakhstan" and "North Kazakhstan", city newspapers "Prospekt-SK" and "Kazylzhar Nury", Republican newspapers "Egemen Kazakhstan" and "Kazakhstanskaya Pravda", leading Republican TV channels "Khabar", "24 KZ", "Kazakhstan"), websites of leading republican news agencies - "Kazinform", "B News",

the regional television program "Parasat" regional channel "Qyzyljar", student newspaper "Parasat", social networks, scientific journal "Vestnik of the NKU named after M. Kozybaev" send in the National public chamber of the RK, the National library of the RK and the library of Parliament, the Committee of information and archives of RK, SI "Department of internal policy of NKO".

- Annual participation of M. Kozybayev NKU in the General Ranking of IAGQE Universities, in the ranking of IAGQE sites - according to the IAGQE rating in 2020, the university's website entered the top 10 best websites and took the 6th place. At the same time, the site took the 4th place in terms of information content and the 5th place in terms of the number of web pages. Participation in the rating of the National Chamber of Entrepreneurs of the Republic of Kazakhstan "Atameken" (36 EP took 1,2,3 places). Participation in the rating of the Independent Accreditation and Rating Agency (IAAR), according to which 36 programs took 1,2,3 places. Participation of the university in the QS, QS Emerging Europe and Central Asia Rating (2020 – 301-350- place), in the international ranking Webometrics (2020 – 33rd place) in the ranking of higher education institutions of the European standard (ARES), which formed the European scientific-industrial chamber standards of the EU (2020 – 15 place (A)).

EEK recommendation for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and technologies", 7M05102 (6M070800) "Biotechnology»:

1. Management of accredited EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) Design, 6B07105 (5B071300) "transport, Transport technics and technologies", 7M05102 (6M070800) "Biotechnology" should provide full and objective information, as well as to educate the public about the availability of professional personnel in the framework of accredited EP, namely, implementing EP TS during the entire study period, update the personal information of the faculty in the part of EP.

The conclusions of the EEC:

According to the "Public Awareness" standard, 13 criteria are disclosed, of which 2 have strong positions, and 11 are satisfactory.

6.10 Standard "Standards in the context of individual specialties»

***NATURAL SCIENCES, TECHNICAL SCIENCES AND TECHNOLOGIES,
ART***

Strengths / best practices for accredited EP:

- Attracting teachers to the staff of departments with long practical experience in the production sector for the implementation of EP 6B07105 "Transport, transport equipment and technologies", 6B07301 "Construction", 7M05102 "Biotechnology".

- Good practice of cooperation with foreign partners under EP 7M05102 "Biotechnology" in the field of joint scientific research, namely, with the Northwestern University of Agriculture and Forestry (China, Yangling).

- Organization of the educational process, the successful functioning of the branch of the department "TandM" in production, providing the educational process and conducting research with laboratory equipment manufactured by the staff of the department.

- Stable work and organization of funding from the university for the professional certification of students of EP 6B07105 "Transport, transport equipment and technologies", 6B07301 "Construction".

EEK recommendation for EP 6B07301 (5B072900) "Construction", EP 6B02101 (5B042100) "Design»:

1. The management of EP 6B02101 (5B042100) "Design" should include an item in the development plan of the EP and start purposeful work on the introduction of elements of the dual training system at the bases of partner enterprises starting from 2021-2022, for EP 6B07301 (5B072900) "Construction" to expand the list of organizations for conducting specialized disciplines starting from the end of 2021-2022.

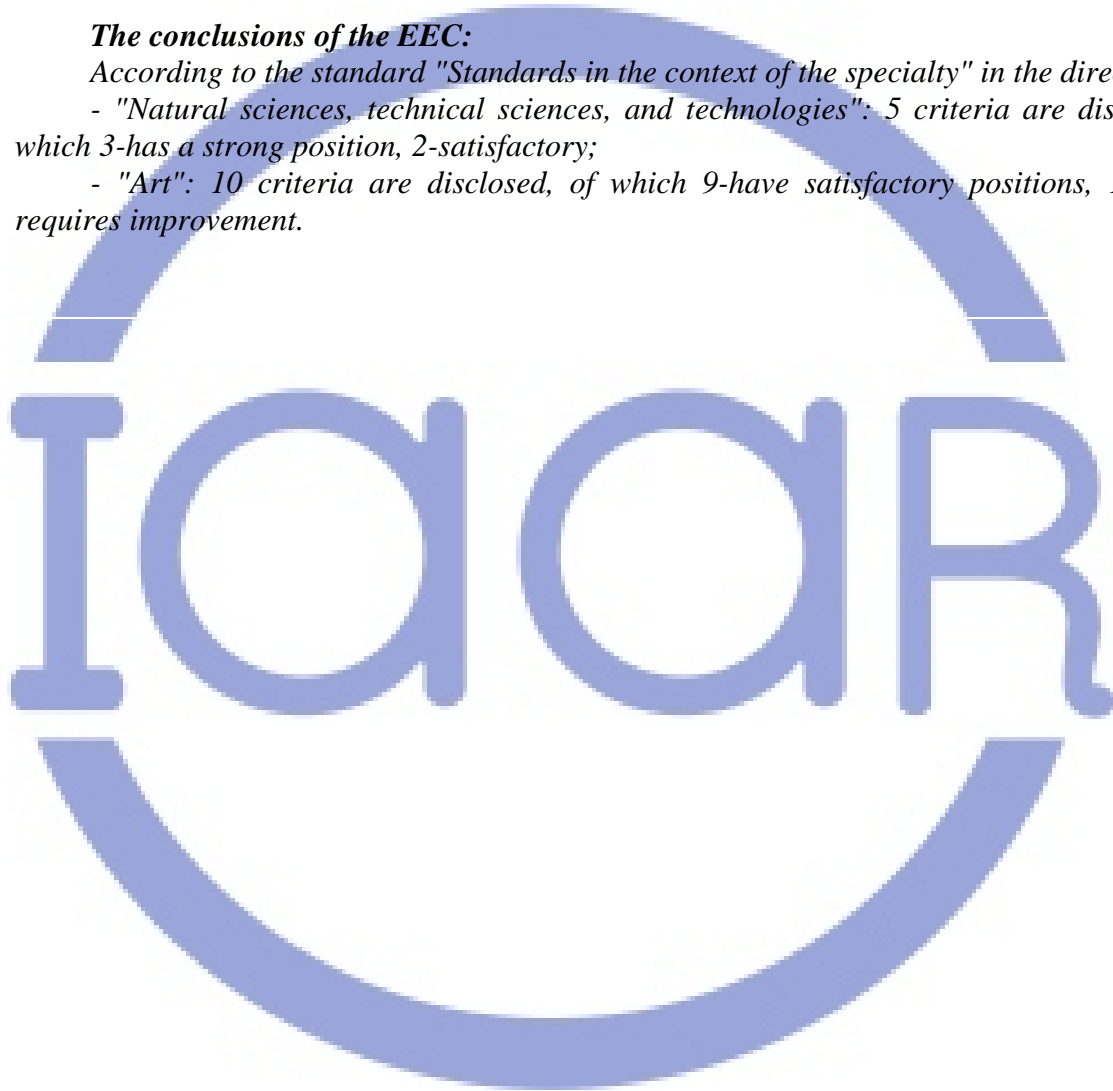
Additional recommendations of the EEC for EP 6B02101 (5B042100) "Design"

2. Involve practice-oriented designers and artists in lectures.
3. Involve third-party organizations and enterprises in cooperation, in order to fulfill their orders for theses/projects in the framework of commercialization and implementation of design activities.

The conclusions of the EEC:

According to the standard "Standards in the context of the specialty" in the direction of:

- *"Natural sciences, technical sciences, and technologies": 5 criteria are disclosed, of which 3-has a strong position, 2-satisfactory;*
- *"Art": 10 criteria are disclosed, of which 9-have satisfactory positions, 1 position requires improvement.*



(VII) REVIEW OF STRENGTHS / BEST PRACTICES FOR EACH STANDARD

Standard " Educational Program Management»

- Developed policy and standards of internal quality assurance of M. Kozybayev NKU (approved by the Rector of M. Kozybayev NKU)17.06.2019 yr) based on an elaborated register of normative documents of the University, which include a list of all the laws of Kazakhstan, Government programs and strategic documents of the RK, orders and decrees of the Government and the MES, SMSE RK, international standards, and programmes and plans of the University, provisions on collegial bodies, procedures, internal regulations, recommendations, instructions, rules of the University, standards of services of the University, the corporate documents (<https://www.nkzu.kz/DocDb/doc/index>).

Information Management and Reporting Standard»

Are not revealed

Standard " Development and approval of educational programs»

Are not revealed

Standard " Permanent monitoring and periodic assessment of educational programs»

Are not revealed

Standard " Student-centered learning, Teaching and performance assessment»

Are not revealed

Standard " Students»

Are not revealed

Standard " Teaching staff»

Are not revealed

The standard "Educational resources and student support systems" is

Are not revealed

The "Public Awareness" standard»

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Informing the public about the university's activities through all possible sources: official website www.nkzu.kz local and Republican mass media (regional TV channel "Kazakhstan-Petropavlovsk", regional newspapers "Soltustik Kazakhstan" and "North Kazakhstan", city newspapers "Prospekt-SK" and "Kazylzhar Nury", Republican newspapers "Egemen Kazakhstan" and "Kazakhstanskaya Pravda", leading Republican TV channels "Khabar", "24 KZ", "Kazakhstan"), websites of leading republican news agencies - "Kazinform", "B News", the regional television program "Parasat" regional channel "Qyzyljar", student newspaper of the University "Parasat", social networks, scientific journal "Vestnik of the NKU named after M. Kozybaev" send in the National public chamber of the RK, the National library of the RK and the library of Parliament, the Committee of information and archives of RK, SI "Department of internal policy of NKO".

- Annual participation of M. Kozybayev NKU in the General Ranking of IAGQE Universities, in the ranking of sites - according to the IAGQE rating in 2020, the university's website entered the top 10 best websites and took the 6th place. At the same time, the site took the 4th place in terms of information content and the 5th place in terms of the number of web

pages. Participation in the rating of the National Chamber of Entrepreneurs of the Republic of Kazakhstan "Atameken" (36 EP took 1,2,3 places). Participation in the rating of the Independent Accreditation and Rating Agency (IAAR), according to which 36 programs took 1,2,3 places. Participation of the university in the QS, QS Emerging Europe and Central Asia Rating (2020 – 301-350- place), in the international ranking Webometrics (2020 – 33rd place) in the ranking of higher education institutions of the European standard (ARES), which formed the European scientific-industrial chamber standards of the EU (2020 – 15 (A)).

Standards in the context of separate specialties

- Attracting teachers to the staff of departments with long practical experience in the production sector for the implementation of EP 6B07105 "Transport, transport equipment and technologies", 6B07301 "Construction", 7M05102 "Biotechnology".

- Good practice of cooperation with foreign partners under EP 7M05102 "Biotechnology" in the field of joint scientific research, namely, with the Northwestern University of Agriculture and Forestry (China, Yangling).

Organization of the educational process, the successful functioning of the branch of the department "TandM" in production, providing the educational process and conducting research with laboratory equipment manufactured by the staff of the department.

- Stable work and organization of funding from the university for the professional certification of students of EP 6B07105 "Transport, transport equipment and technologies", 6B07301 "Construction".



(VIII) REVIEW OF QUALITY IMPROVEMENT RECOMMENDATIONS FOR EACH STANDARD

Standard "Management of the educational program"

Recommendation of the EC for EP 7M05102 (6M070800) "Biotechnology»

1. The head of the department "AandF", implementing EP 7M05102 (6M070800) "Biotechnology" to pass in the 2020-2021 academic year advanced training courses in the direction of "Management in education".

Information Management and Reporting Standard»

- no recommendation

Standard "Development and approval of educational programs»

EEK recommendation for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and technologies»:

1. To develop an events plan aimed at developing professional cooperation with Kazakhstani and foreign educational organizations on EP 6B07301 "Construction", 6B02101 "Design", 6B07105 "Transport, Transport Equipment and Technologies" for the harmonization of modules and the development of joint EP, to begin the development and implementation of joint educational programs until 2023.

Additional EEC recommendation for EP 6B02101 (5B042100) "Design»

2. The management of the EP should bring the content of EP 6B02101 "Design" of the 2019 year of admission in accordance with item No. 31 of the State Mandatory Standard of Higher Education of the Republic of Kazakhstan and make appropriate adjustments to the "Register of Educational Programs of Higher Education".

Standard "Permanent monitoring and periodic assessment of educational programs»

EEC recommendations for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and technologies", 7M05102 (6M070800) "Biotechnology»:

1. The management of the accredited EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and Technologies", 7M05102 (6M070800) "Biotechnology" should ensure publication on the university's website of all changes made and actions taken in relation to the EP.

Standard "Student-centered learning, Teaching and performance assessment»

EEC recommendation for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and technologies", 7M05102 (6M070800) "Biotechnology»:

1. The management of the University should conduct an intra-university seminar on the use of innovative teaching technologies, including its own research.

Standard "Students»

EEC recommendations for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and technologies", 7M05102 (6M070800) "Biotechnology»:

1. In accordance with the Development Program of the M. Kozybayev NKU for 2020-2024, the management of EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and technologies", 7M05102 (6M070800) "Biotechnology" should include indicative indicators in the development plans of

educational programs, in the work plans of departments and implement the items: "participation of students in the program "incoming academic mobility", "participation of students in competitions for obtaining external grants for training".

2. The management of the University should develop and implement a comprehensive program for the organization of academic mobility of teaching staff and students (external and internal) in the online learning mode with the involvement of funds from various sources of funding.

3. The University management should take measures to improve the effectiveness of the Graduates Association, namely, to draw up a work plan for the Graduates Association, to start its implementation, while informing the university graduates about the activities of the association through all possible informative sources.

Additional advice on the EEC for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) Design:

4. The management of EP, in accordance with the development Programme of the NKU named after M. Kozybaev in 2020-2024 years, should increase the indicative figures in the development plans of the EP, in work plans of departments and implement the points of engagement of students in research work and national and international competitions.

Additional EEC recommendation for EP 6B02101 (5B042100) " Design»:

5. To develop an events plan for the organization of creative circles/sections for the development of extracurricular activities of students and begin its implementation.

Standard " Teaching staff»

EEC recommendation for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) " Transport, transport equipment and technologies»:

1. In accordance with the Development Program of M. Kozybayev NKU for 2020-2024, the management of EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and technologies" should review the indicative indicators in the plan for the development of educational programs under the strategic plan 3 – Internationalization of the program and to increase the share of teaching staff in the program "external and internal academic mobility".

Additional EEC recommendation for EP 56B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 7M05102 (6M070800) Biotechnology:

2. In accordance with the Development Program of M. Kozybayev NKU for 2020-2024, the management of EP 56B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 7M05102 (6M070800) Biotechnology should increase the indicative indicators in the development plans of the EP, in the work plans of the departments and implement the item: "publication of TS in rating foreign publications", "registration of intellectual property objects".

Additional EEC recommendations for EP 56B07301 (5B072900) "Construction", 6B02101 (5B042100) " Design»:

3. In accordance with the Development Program of M. Kozybayev NKU for 2020-2024, the management of EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design" should review the indicative indicators in the plan for the development of educational programs under the strategic plan 3 – Internationalization of the program and increase the share of TS participation in international competitions, grant programs.

Additional EEC recommendation for EP 7M05102 (6M070800) Biotechnology:

4. The management of EP 7M05102 (6M070800) Biotechnology should optimize the workload of the teaching staff to provide opportunities for active participation of teaching staff in research work.

Additional advice on the EEC for EP 6B02101 (5B042100) Design:

5. Managers of EP 6B02101 (5B042100) "Design" should develop the mechanism of attraction of national and international organizations to build the professional capacity and development of professional competences of the teaching staff as well as forming the personnel reserve of the University within the areas of activity of EP 6B02101 Design, including faculty, speaking the state language.

Standard "Educational Resources and Student Support Systems"

EEC Recommendation for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, Transport equipment and Technologies", 7M05102 (6M070800) "Biotechnology»:

1. The management of the university should develop an action plan for further improvement of the university's infrastructure, taking into account the special needs of students (ramps, paths for the visually impaired, etc.).

Additional EEC recommendation for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design»:

2. The management of EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design" should develop a long-term plan for equipping specialized laboratories with modern equipment and software similar to those used in industries in the profile of accredited EP.

Additional recommendation of the EC for EP 7M05102 Biotechnology

3. The management of EP 7M05102 Biotechnology should develop a plan for the timely renewal and modernization of the material and technical base, including the purchase of consumables (reagents).

Additional recommendation of the EC for EP 6B02101 (5B042100) "Design"

4. To master EP 6B02101 (5B042100) "Design" in full, provide new educational equipment and modern computer graphics software used in the field of design, contributing to improving the quality of training of students and their competitiveness in the labor market.

The "Public Awareness" standard»

EEC recommendation for EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) "Design", 6B07105 (5B071300) "Transport, transport equipment and technologies", 7M05102 (6M070800) "Biotechnology»:

1. Management of accredited EP 6B07301 (5B072900) "Construction", 6B02101 (5B042100) Design, 6B07105 (5B071300) "transport, Transport technics and technologies", 7M05102 (6M070800) "Biotechnology" should provide full and objective information, as well as to educate the public about the availability of professional personnel in the framework of accredited EP, namely, implementing EP TS during the entire study period, update the personal information of the faculty in part of EP.

Standards in the context of individual specialties

Recommendation the EEC for EP 6B07301 (5B072900) "Construction", EP 6B02101 (5B042100) Design:

1. Management of EP 6B02101 (5B042100) "Design" should include in the development plan of EP item and begin focused work on the introduction of elements of dual training on the bases of enterprises-partners beginning in 2021-2022 years, at the EP 6B07301 (5B072900)

"Construction" to expand the list of organizations to conduct specialized disciplines ranging from confirmation 2021-2022 years..

Additional recommendations of the EEC for EP 6B02101 (5B042100) " Design»

2. To involve practice-oriented designers and artists in the lectures.
3. To involve third-party organizations and enterprises in cooperation, in order to fulfill their orders for theses/projects in the framework of commercialization and implementation of design activities.



(IX) REVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF THE ORGANIZATION OF EDUCATION

A list of the EC recommendations related to the development of the EI. These recommendations do not apply to measures to improve the quality and compliance with the IAAR standards

- Harmonization of the content of the EP of the university with foreign educational organizations, purposeful work on the development of joint educational programs with partner universities.
- Development of international relations with foreign educational organizations with the involvement of all interested parties, including employers.
- Development of a PR management strategy of the university in order to strengthen competitiveness in the market of educational services.



Appendix 2. Evaluation table "SPECIALIZED PROFILE PARAMETERS" (for OP 6B02101 Design (5B042100 Design))

№ п/п	№ п/п	Assessment Criteria	Position of the organization of education			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
Standard of "Educational program Management»						
1	1.	The University must have a published quality assurance policy.	+			
2	2.	Quality assurance policies should reflect the relationship between research, teaching, and learning.		+		
3	3.	The University must demonstrate the development of a culture of quality assurance, including in the context of the educational program.		+		
4	4.	Commitment to quality assurance should apply to any activity performed by contractors and partners (outsourcing), including joint/double-degree education and academic mobility.		+		
5	5.	The management of the educational program ensures transparency in the development of the educational program development plan based on the analysis of its functioning, the real positioning of the University and the orientation of its activities to meet the needs of the state, employers, interested persons and students.		+		
6	6.	Leadership of the educational program demonstrates the functioning of the mechanisms of formation and regular revision of the development plan of OP and monitor its implementation, evaluate achievement of learning objectives, meet the needs of students, employers and society, decision-making aimed at continuous improvement of educational programs.		+		
7	7.	The management of the educational program must demonstrate the individuality and uniqueness of the educational program development plan, its consistency with national development priorities and the development strategy of the educational organization.		+		
8	8.	The management of the educational program must demonstrate the individuality and uniqueness of the educational program development plan, its consistency with national development priorities and the development strategy of the educational organization.		+		
9	9.	The University must demonstrate a clear definition of those responsible for business processes within the educational program, an unambiguous distribution of staff responsibilities, and differentiation of functions of collegial bodies.		+		
10	10.	The management of the educational program must provide evidence of the transparency of the educational program management system.		+		
11	11.	The management of the educational program must demonstrate the successful functioning of the internal quality assurance system of the educational program, including its design,		+		

		management and monitoring, their improvement, and fact-based decision-making.				
12	12.	The management of the educational program should manage risks.		+		
13	13.	The management of the educational program should ensure the participation of representatives of interested persons (employers, faculty, students) in the collegial management bodies of the educational program, as well as their representation in making decisions on the management of the educational program. The University must demonstrate innovation management within the educational program, including analysis and implementation of innovative proposals		+		
14	14.	The management of the educational program must demonstrate evidence of openness and accessibility for students, teachers, employers and other interested parties.		+		
15	15.	The management of the educational program must demonstrate evidence of openness and accessibility for students, teachers, employers and other interested parties		+		
16	16.	The management of the educational program must be trained in educational management programs.		+		
17	17.	The management of the educational program should strive to ensure that the progress made since the last external quality assurance procedure is taken into account in preparation for the next procedure.		+		
Total by standard			1	16	0	
Standard of «Information Management and reporting»						
18	1.	The University should ensure the functioning of the system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software		+		
19	2.	The management of the educational program should demonstrate the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
20	3.	Within the framework of the educational program, there should be a system of regular reporting that reflects all levels of the structure, including an assessment of the effectiveness and efficiency of departments and research.		+		
21	4.	The University must establish the frequency, forms and methods of evaluating the management of the educational program, the activities of collegial bodies and structural divisions, senior management, and the implementation of scientific projects.		+		
22	5.	The University must demonstrate the definition of the procedure and ensuring the protection of information, including the identification of responsible persons for the accuracy and timeliness of information analysis and data provision.		+		
23	6.	An important factor is the involvement of students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.		+		
24	7.	The management of the educational program must demonstrate that there is a mechanism for communication with students, employees, and other stakeholders, including mechanisms for conflict resolution.		+		
25	8.	The University must measure the degree of satisfaction with the needs of the faculty, staff and students in the educational program and demonstrate evidence of elimination of the identified shortcomings.		+		

26	9.	The University should evaluate the effectiveness and efficiency of its activities, including in the context of the educational program.		+		
		Information collected and analyzed by the University should take into account:				
27	10.	Key performance indicators;		+		
28	11.	dynamics of the contingent of students in the context of forms and types;		+		
29	12.	level of academic performance, achievement of students and the dismissal;		+		
30	13.	students' satisfaction with the implementation of the educational program and the quality of education at the University;		+		
31	14.	availability of educational resources and support systems for students;		+		
32	15.	employment and career development of graduates.		+		
33	16.	Students, employees, and teaching staff must document their consent to the processing of personal data.		+		
34	17.	The management of the educational program should help to provide all the necessary information in the relevant fields of science.		+		
Total by standard			0	17	0	
Standard of «Development and approval of educational programs»						
35	1.	The University must define and document the procedures for developing the educational program and their approval at the institutional level		+		
36	2.	The management of the educational program must ensure that the educational program results meet the set goals, including the expected learning outcomes.		+		
37	3.	The management of the educational program should ensure that there are developed models of the graduate of the educational program that describe learning outcomes and personal qualities.		+		
38	4.	The management of the educational program must demonstrate the conduct of external examinations of the educational program.		+		
39	5.	The qualifications obtained at the end of the educational program must be clearly defined, explained and correspond to a certain level of the NQS.		+		
40	6.	The management of the educational program should determine the impact of disciplines and professional practices on the formation of learning outcomes.		+		
41	7.	An important factor is the ability to prepare students for professional certification.		+		
42	8.	The management of the educational program must provide evidence of the participation of students, faculty and other stakeholders in the development of the educational program, ensuring their quality.		+		
43	9.	The complexity of the educational program should be clearly defined in Kazakhstan credits and ECTS.		+		

44	10.	The management of the educational program should ensure the content of academic disciplines and learning outcomes at the level of education (bachelor's, master's, doctoral).		+		
45	11.	The structure of the educational program should include various types of activities that correspond to the results of training.		+		
46	12.	An important factor is the availability of joint educational programs with foreign educational organizations.			+	
Total by standard			0	11	1	
Standard of «Continuous monitoring and periodic evaluation of educational programs»						
47	1.	The University should monitor and periodically evaluate the educational program in order to ensure that the goal is achieved and meet the needs of students and society.		+		
		The results of these processes are aimed at continuous improvement of the educational program.				
48	2.	The content of programs in the light of the latest scientific achievements in a particular discipline to ensure the relevance of the discipline taught;		+		
49	3.	changes in the needs of society and the professional environment;		+		
50	4.	load, academic performance and graduation of students;		+		
51	5.	effectiveness of student assessment procedures;		+		
52	6.	expectations, needs and satisfaction of students with the training program;		+		
53	7.	educational environment and support services, and their compliance with the goals of the educational program.		+		
54	8.	The University and the management of the educational program must provide evidence of participation of students, employers and other stakeholders in the revision of the educational program.		+		
55	9.	All interested parties should be informed of any planned or taken actions in relation to the educational program. All changes made to the educational program must be published.			+	
56	10.	The management of the educational program should ensure that the content and structure of the educational program are reviewed in accordance with changes in the labor market, the requirements of employers and the social demand of society.		+		
Total by standard			0	9	1	
Standard of «Student-Centered learning, teaching and assessment of academic performance»						
57	1.	The management of the educational program should ensure respect and attention to different groups of students and their needs, providing them with flexible learning paths.		+		
58	2.	The management of the educational program should ensure the use of various forms and methods of teaching and learning.		+		
59	3.	An important factor is the availability of their own research in the field of teaching methods of academic disciplines of the educational program.		+		
60	4.	The management of the educational program should demonstrate the existence of a feedback system for the use of various teaching		+		

		methods and evaluation of learning outcomes.				
61	5.	The management of the educational program should demonstrate support for the autonomy of students, while providing guidance and assistance from the teacher.		+		
62	6.	The management of the educational program must demonstrate that there is a procedure for responding to student complaints.		+		
63	7.	The University must ensure consistency, transparency and objectivity of the learning outcomes assessment mechanism for each educational program, including appeal.		+		
64	8.	The University must ensure that the procedures for evaluating the learning outcomes of students in the educational program correspond to the planned learning outcomes and goals of the program. Evaluation criteria and methods for the educational program should be published in advance.		+		
65	9.	The University should determine the mechanisms for ensuring that each graduate of the educational program learns the results of training and ensure the completeness of their formation.		+		
66	10.	Evaluators should be familiar with modern methods of evaluating learning outcomes and regularly improve their skills in this area.		+		
Total by standard			0	10	0	
Standard "Students"						
67	1.	The university must demonstrate the policy of forming the contingent of students from admission to graduation and ensure the transparency of its procedures. The procedures governing the life cycle of students (from admission to completion) must be defined, approved, published.		+		
68	2.	The management of the educational program must demonstrate the implementation of special adaptation and support programs for newly admitted and foreign students.		+		
69	3.	The university must demonstrate the compliance of its actions with the Lisbon Recognition Convention.		+		
70	4.	The university should cooperate with other educational organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers" ENIC / NARIC in order to ensure comparable recognition of qualifications.		+		
71	5.	The management of the educational program must demonstrate the existence and application of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education.		+		
72	6.	The university should provide an opportunity for external and internal mobility of students of the educational program, as well as assist them in obtaining external grants for training.		+		
73	7.	The management of the educational program should make the maximum amount of effort to provide students with places of practice, facilitate the employment of graduates, and maintain communication with them.		+		
74	8.	The university must provide graduates of the educational program with documents confirming the acquired qualifications, including the achieved learning outcomes, as well as the context, content and status of the education received and evidence of its completion.		+		

75	9.	An important factor is monitoring the employment and professional activities of graduates of the educational program.		+		
76	10.	The leadership of the educational program should actively stimulate students to self-education and development outside the main program (extracurricular activities).		+		
77	11.	An important factor is the existence of an active alumni association / association.			+	
78	12.	An important factor is the availability of a support mechanism for gifted students.		+		
Total by standard			0	11	1	
Standard "Teaching staff"						
79	1.	The university must have an objective and transparent personnel policy, including recruitment, professional growth and development of personnel, ensuring the professional competence of the entire staff.		+		
80	2.	The University must demonstrate that the human faculty resources potential of the University development strategy and the specifics of the educational program..		+		
81	3.	The management of the educational program must demonstrate awareness of responsibility for their employees and providing them with a favorable working environment.		+		
82	4.	The leadership of the educational program must demonstrate the change in the role of the teacher in connection with the transition to student-centered learning.		+		
83	5.	The university should determine the contribution of the faculty of the educational program to the implementation of the development strategy of the university, and other strategic documents.		+		
84	6.	The university should provide opportunities for career growth and professional development for the faculty of the educational program.			+	
85	7.	The leadership of the educational program should involve practitioners of the relevant industries in teaching.		+		
86	8.	The leadership of the educational program must ensure targeted actions for the development of young teachers.		+		
87	9.	The university should demonstrate the motivation for the professional and personal development of teachers of the educational program, including the encouragement of both the integration of scientific activity and education, and the use of innovative teaching methods.		+		
88	10.	An important factor is the active use of the Faculty of Information and Communication Technologies in the educational process (for example, on-line training, e-portfolio, environmental protection measures, etc.).		+		
89	11.	An important factor is the development of academic mobility within the educational program, the attraction of the best foreign and domestic teachers.			+	
90	12.	An important factor is the involvement of the faculty of the educational program in the life of society (the role of the faculty in the education system, in the development of science, the region, the creation of a cultural environment, participation in exhibitions, creative competitions, charity programs, etc.).		+		
Total by standard			0	10	2	

Norm "Educational resources and students support systems"						
91	1.	EP management must demonstrate the sufficiency of material and technical resources and infrastructure.		+		
92	2.	The EP's management must demonstrate the existence of procedures for supporting various groups of students, including information and counseling.		+		
		The EP management must demonstrate the compliance of information resources with the EP specifics, including compliance with:				
93	3.	technological support for students and teaching staff in according with educational programs (for example, online training, modeling, databases, data analysis programs);		+		
94	4.	library resources, including the fund of educational, methodological and scientific literature on general education, basic and profiling disciplines on paper and electronic media, periodicals, access to scientific databases;		+		
95	5.	examination of research results, graduation works, dissertations for plagiarism;		+		
96	6.	access to educational Internet resources;		+		
97	7.	functioning of WI-FI on the territory of the educational organization.		+		
98	8.	The university should strive to ensure that the educational equipment and software used for developing EP are similar to those used in the respective industries.			+	
99	9.	The university must ensure compliance with safety requirements in learning process		+		
100	10	The university should strive to take into account the needs of various groups of students in the context of EP (adults, working people, foreign students, as well as students with disabilities).		+		
Total by standard			0	9	1	
Public awareness Standard						
		The information published by the university in the pressing matters of the EP must be accurate, objective, relevant and must include:				
101	1.	implemented programs, indicating expected learning outcomes;		+		
102	2.	information on the possibility of qualifying at the end of the EP;		+		
103	3.	information about teaching, learning, assessment procedures;		+		
104	4.	information about passing points and learning opportunities provided to students;		+		
105	5.	information about employment opportunities for graduates.				
106	6.	The EP's management should use a variety of ways to disseminate information (including mass media, web resources, information networks, etc.) to inform the general public and stakeholders.		+		
107	7.	Public awareness should support and explain the country's national development programs and the system of higher and postgraduate education.		+		
108	8.	The university must publish audited financial statements on its own web resource.		+		
109	9.	The University must demonstrate the reflection on the web		+		

		resource of information that characterizes the University generally and in the context of EP				
110	10.	An important factor is the availability of adequate and objective information about the teaching staff of the EP, in the context of personalities.		+		
111	11.	An important factor is informing the public about cooperation and interaction with partners within the EP, including with scientific / consulting organizations, business partners, social partners and educational organizations.		+		
112	12.	The University should post information and links to external resources based on the results of external evaluation procedures.		+		
113	13.	An important factor is the participation of the University and its students in various external assessment procedures.	+			
Total by standard			2	11	0	
Standards in the context of individual specialties						
ИСКУССТВО						
		<i>Образовательные программы по направлению «Искусство», такие как «Дизайн», должны отвечать следующим требованиям:</i>				
114	1	Руководство ОП должно продемонстрировать наличие у выпускников программы теоретических знаний в области искусств и навыков самовыражения через творчество, которые связаны с компетенциями аккредитуемой ОП, например – хореография, пение, графика, живопись, скульптура, архитектурный, промышленный, графический дизайн и др.		+		
115	2	Руководство ОП должно продемонстрировать у обучающихся навыки самообучения и саморазвития.		+		
116	3	В рамках программы обучающиеся должны иметь возможность прослушать, по крайней мере, одну дисциплину в области своей специализации, преподаваемую практикующим специалистом.			+	
117	4	ОП должна включать максимальное возможное количество дисциплин и мероприятий, в рамках которых навыки преподаются обучающимся индивидуально или в маленьких группах, например, проведение мастер-классов заслуженных деятелей области специализации.		+		
118	5	Руководство ОП должно организовывать для обучающихся максимально возможное количество мероприятий, способствующих демонстрации обучающимися, приобретённых творческих навыков, например, концерты и выставки.		+		
119	6	Творческая работа, участие на концертах, конкурсах выступлениях и т.п. в рамках этого направления является частью научной деятельности.		+		
120	7	В рамках ОП обучающимся должны предоставляться знания и навыки творческой деятельности и методов/технологий, практикуемых в мире, и знания по управлению искусством.		+		
121	8	ОП должна способствовать обогащению творческого опыта в разных видах деятельности, свойственных специальности.		+		
122	9	С целью ознакомления обучающихся с профессиональной средой и актуальными вопросами в области специализации, а также для приобретения навыков на основе теоретической подготовки программа образования должна включать дисциплины и мероприятия, направленные на получение практического опыта и навыков по специальности в целом и профилирующим дисциплинам в частности, в т.ч.: - экскурсии на предприятия в области специализации (музеи, театры, конструкторские бюро и т.п.), - проведение отдельных занятий или целых дисциплин на предприятии специализации, - проведение семинаров для решения практических задач, актуальных для предприятий в области специализации и т.п.		+		

123	10	Важным фактором в рамках ОП является наличие механизма коллегиальной оценки творческих экзаменационных работ обучающихся		+		
Total by standard			0	9	1	
IN TOTAL			3	113	7	

