



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ
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 review commission for evaluation
for compliance with the requirements of the standards of specialized accreditation of
educational programs educational programs:

5B060800 - "Ecology", 6M060800 - "Ecology"

5B070800 - "Oil and gas business" 6M070800 - "Oil and gas business"

5B072900 - "Construction" 6M072900 - "Construction"

5B071700 - "Heat power engineering" 6M071700 - "Heat power engineering"

CENTRAL ASIAN UNIVERSITY

from June 7 to June 9, 2018.

Almaty 2018

INDOPENDENT AGENCY FOR ACCREDITATION AND RATING
External review commission

*Addressed to
Accreditation
board of the IAAR*



Независимое агентство
аккредитации и рейтинга

REPORT

**on the results of the work of the external review commission for evaluation
for compliance with the requirements of the standards of specialized accreditation of
educational programs**

**educational programs: 5B060800 - "Ecology", 6M060800 - "Ecology"
5B070800 - "Oil and gas business" 6M070800 - "Oil and gas business"
5B072900 - "Construction" 6M072900 - "Construction"
5B071700 - "Heat power engineering" 6M071700 - "Heat power engineering"
CENTRAL ASIAN UNIVERSITY**

from June 7 to June 9, 2018.

CONTENT

I LIST OF SYMBOLS AND ABBREVIATIONS	3
II INTRODUCTION	4
III PRESENTATION OF THE CENTRAL ASIAN UNIVERSITY	5
IV. DESCRIPTION OF THE VISIT OF THE EEC	5
V GENERAL ASSESSMENT OF THE CENTRAL ASIAN UNIVERSITY	7
VI CONFORMITY TO THE SPECIALIZED ACCREDITATION STANDARDS.....	7
6.1. Standard "Management of the educational program"	7
6.2. Standard "Information Management and Reporting"	12
6.3. Standard "Development and approval of the educational program"	16
6.4. Standard "Continuous monitoring and periodic evaluation of educational programs"	18
6.5. Standard "Student-centered learning, teaching and assessment of progress"	19
6.6. Standard "Learners"	21
6.7. Standard "Teaching staff"	24
6.8. Standard "Educational resources and student support systems"	27
6.9. Standard "Public Awareness"	32
6.10. Standard "Standards in the context of individual specialties"	33
VII REVIEW OF STRONG SIDES / BEST PRACTICES	
VIII REVIEW OF RECOMMENDATIONS FOR IMPROVING QUALITY.....	35
IX OVERVIEW OF THE RECOMMENDATION ON THE DEVELOPMENT OF THE ORGANIZATION OF EDUCATION	36
Appendix 1. Evaluation table "SPECIALIZED PROFILE PARAMETERS" (5B072900-Construction 6M072900-Construction).....	38
Appendix 2. The evaluation table "SPECIFICATION PROFILE PARAMETERS" (5B060800 - Ecology, 5B070800 - Oil and gas business, 6M070800 - Oil and gas business, 5B071700 - Heat power engineering, 6M071700 - Heat power engineering).....	48

I LIST OF SYMBOLS AND ABBREVIATIONS

R K - Republic of Kazakhstan

DB - basic disciplines

EPC - point-rating system

Higher education - higher education

BA - Bachelor's degree

MA – magistracy

PhD - doctoral studies

Higher education institution - higher educational institution

EEC - external expert commission

VOUD - external evaluation of educational achievements

SAC - State Attestation Commission

FESCO - Department of Higher and Postgraduate Education

DEP - distance learning technology

ICT - information and communication technologies

IUP - individual curriculum

State Educational Standards - State Compulsory Education Standards

GPR - State Program for the Development of Education

IAAR - Independent Accreditation and Rating Agency

NRC - National Qualifications Framework

NSC - National system of qualifications

EP - educational program

ECTS - European system of credit transfer and accumulation

ESG - standards and recommendations for quality assurance in the European Higher Education Area

EMA REMS - Educational-methodical association of the Republican educational-methodical council

II INTRODUCTION

In accordance with Order No. 60-18-OD of 17.05.2018 of the Independent Accreditation and Rating Agency, from 07 to 09 June 2018, the external expert commission assessed the compliance of the Central Asian University with the standards of specialized accreditation of the IAAR (from February 24, 2017 No. 10-17-OD, fifth edition).

The report of the external expert commission (EEC) contains an assessment of the compliance of the activities of the Central Asian University with the criteria of the IAAR, recommendations of the EEC for further improvement and profile parameters of the university.

The composition of the EEC:

1. **Chairman of the commission** - Gulnara G. Turtkaraeva, Candidate of Pedagogical Sciences, Associate Professor, Kokshetau State University. Sh. Ualikhanov (Kokshetau city);

2. **Foreign expert** - Michael Henry (Erik) Martijnse, Director of Higher Education, Inspectorate for Education of the Netherlands, ENQA expert, INQAAHE, APQN (Utrecht, Netherlands);

3. **Foreign expert** - Grakovskis Alexanders, Professor, Transport and Telecommunication Institute (Riga, Latvia);

4. **Expert** - Aldabergenova Saule Salimzhanovna, Kazakh Agrotechnical University. S.Seifullin (Astana city);

5. **Expert** - Khamraev Sheripidin Itakhunovich, candidate of technical sciences, associate professor, Kazakh National Pedagogical University. Abay (Almaty);

6. **Expert** - Lyudmila Polyakova, Kazakhstan University of Engineering and Technology (Almaty);

7. **Expert** - Aldungarova Aliya Kairatovna, PhD, associate professor, Pavlodar State University named after S. Toraigyrov (Pavlodar);

8. **Expert** - Kopishev Eldar Ertaevich, Ph.D., acting. Associate Professor, Eurasian National University. L.N. Gumilev (Astana city);

9. **Expert** - Musabekov Rasulbek Akylbekovich, Candidate of Technical Science, Associate Professor, Almaty University of Energy and Communications (Almaty);

10. **Expert** - Ahmedyanov Abdulla Ugubayevich, Ph.D., Associate Professor, Eurasian National University. L.N. Gumilev (Astana city);

11. **Expert** - Smirnov Mikhail Borisovich, Cand.Tech.Sci., Professor, State University. Shakarim of Semey;

12. **Expert** - Eshzhanov Talgat Eshmahanbetovich, doctor PhD, Suleiman Demirel University (Almaty);

13. **The employer** - Yuri Pilipenko, Chairman of the Board of Directors of the International Association of Producers of Goods and Services "EXPOBEST" (Almaty);

14. **Student** - Amanbek Assem Nurayaliuzi, a student of the Kazakhstan University of Engineering and Technology (Almaty);

15. **Student** - Tokburina Aysulu Kalasovna, student of the Kazakh State Women's Pedagogical University (Almaty);

16. **Student** - Medetov Batyrhan Ergazievich, a student of the Almaty University of Energy and Communications (Almaty);

17. **The observer from the Agency** is Timur Erbolatovich Kanapyanov, the head of international projects and public relations of the IAAR (Astana).

III PRESENTATION OF THE CENTRAL ASIAN UNIVERSITY

Central Asian University was founded in 1997 in Almaty. The structure of the CAU includes 3 faculties, 5 departments, 21 research laboratories and scientific centers.

The University carries out preparation of specialists in 7 areas (Education, Humanities, Social Sciences, Engineering, Economics, Law, Services), 55 baccalaureate specialties, 27 magistracy specialties and 7 doctorate PhD specialties.

The contingent of students of the Central Asian University as of September 1, 2017 was 1984 people.

Contingent of students:

- On the internal form - 1580 students, on the correspondence form - 280 on a contractual basis with full reimbursement of costs, including in the state language - 954 students.

The contingent of undergraduates is 115 people.

The contingent of doctoral students is 9 people.

27 foreign students from China, Mongolia, Tajikistan, Turkmenistan, and Uzbekistan study at the Central Asian University.

The teaching process is serviced by a faculty of 145 people, of which there are 124 employees (more than 85%): doctors of sciences, professors - 26 people; candidates of sciences, assistant professors - 75 people and masters - 23 people.

The graduation rate is 81.4%.

The number of teachers conducting classes in the state language is increasing: in the 2015/2016 academic year 116 people (80%), in 2016/2017 academic year - 119 people (82%), in 2017/2018 academic year - 122 people (84%).

Educational activity is carried out by the University on the basis of state license AB No. 0137420 dated February 03, 2010, issued by the Committee for Control in Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan.

Evaluation of the effectiveness of the University's mission is carried out by comparing the results of work with objectives and is used as a feedback mechanism for making managerial decisions and analyzing the functioning of the quality management system (hereinafter QMS) within the framework of the received Certificate of the Russian Register "ISO 9001: 2015". The infrastructure of the Central Administrative Board includes four academic buildings, a sports hall, a dormitory with an area of 700 square meters, and a dining room with 240 seats.

The University has eighteen training and laboratory classrooms, a total area equipped with modern equipment and measuring facilities.

The educational process uses twenty interactive whiteboards, three hundred and twenty modern computers, of which two hundred and fifty-four have access to the Internet. Library resources of the University are five hundred twenty copies.

Within the framework of targeted training, forty-five alumni and university staff were trained in postgraduate programs at leading universities in Kazakhstan.

The University conducts its activity on the basis of the Charter, approved by the Department of Justice of Almaty on September 3, 1997, No. 3112/1910; Certificate of state registration of a legal entity No. 13112-1910-01-U of 03.09.1997; Statistical card; Certificate of the taxpayer of the Republic of Kazakhstan, BIN 970940001516.

IV. DESCRIPTION OF THE VISIT OF THE EEC

The visit of the external expert commission to the CAU was organized in accordance with the program agreed in advance with the chairman of the EEC in the period from 07.06.2018 to 09.06.2018.

In order to coordinate the work of the EEC on June 7, 2013, an installation meeting took place, during which the powers were distributed among the members of the commission, the schedule of the visit was specified, and agreement was reached on the choice of methods of examination. In order to obtain objective information on the evaluation of the university's activities, EEC members used such methods as visual inspection, observation, interviewing of employees of various structural divisions, teachers, students, graduates and employers, questioning of faculty and students.

The meetings of the EEC with the target groups were held in accordance with the updated program of the visit, with observance of the established time interval. On the part of the staff of the Central Asian University, the presence of all persons indicated in the visit program was ensured.

**Information about employees and trainees,
who participated in meetings with the EEC IAAR**

Category of participants	Number
President	1
Vice-Rector	2
Heads of Chairs	5
Directors of departments and heads of departments	19
Teachers	90
Students, undergraduates	283
Graduates	77
Employers	49
Total	109

Experts visited the chair of pedagogy, psychology and social disciplines, computer and multimedia classes, the center of innovative information technologies, the cabinet of the financier, the language laboratory, the video studio, the scientific library, the health center, sports halls, the hostel, the Open classes in the discipline "Criminalistics", "Workshop of professional communication", "Chair of Fundamental Sciences and Oil and Gas Industry", "Department of International Relations and World Languages", "Department of Pedagogy and Humanities".

The following classes were attended by the EEC members: on the discipline "Technology and technology of oil production" on the theme "Теңіз кен орындарының меңгеруді қазіргі жағдайы", prep. Dzheksenbaev EK; on discipline "Professionally-oriented foreign language" on the topic "Public speech", Rev. Sadykova Z.E.; on discipline "Philosophy" on the theme "Dulat Isabekov shy'armalaryndyy әлеimetik taldau", Rev. Baltabayeva G.S.

EEC members visited the practice bases on accredited programs: Migration Police of Medeu District, JSC Kazakhtelecom, Trading Network "White Wind", TOO "Lion Auto Center Almaty" KazNIIMESH-Kazakh Institute of Mechanization and Electrification of Agriculture, "Sea Kazinkas" LLP, Delphinarium "Nemo", TV channel "Almaty".

In order to confirm the information provided by the external experts in the self-assessment report, the university's working documentation was requested and analyzed. In particular, the Strategic Plan for the development of the Central Asian University for 2017-2021, the plan for educational and methodological work for the last three academic years, the plans for the work of the departments, the work plans of the faculty, the Concept of the educational work of the Central Asian University for the period 2015-2020, disciplines for each academic year, the Regulations on the Department, the RUE of the Master's and Bachelor's Degrees, job descriptions, the minutes of the Academic Council, the UMKD, the syllabus, and others.

Along with this, experts have studied the Internet positioning of the university through the official website <http://www.cau.kz>

Within the framework of the planned program, recommendations for improving the University's activities developed by the EEC on the results of the examination were presented at a meeting with the management on June 9, 2018.

V GENERAL ASSESSMENT OF THE CENTRAL ASIAN UNIVERSITY

Central Asian University was founded in 1997 in Almaty. Over the years, much has changed at the University: the number of faculties and specialties has increased, a three-level education system has emerged - bachelor's and master's degrees, PhD-doctoral studies, several times the number of students, and additional educational programs.

Cooperation with Russian universities is carried out on the basis of the Memorandum on cooperation in the field of education, science and culture between higher educational institutions of the Republic of Kazakhstan and higher educational institutions of the Russian Federation. Agreements on joint training of personnel, in particular on economic specialties - Moscow (MEI), St. Petersburg (ITMO), have been signed and are being implemented, an agreement has been concluded on the exchange of students between universities under the Mevlana program. There is an agreement with the National Aviation University (NAU, Kiev) on information technology and space research.

The University trains specialists in the following areas: Education, Humanities, Social Sciences, Engineering, Economics, Law, Services. At three faculties (5 departments) - Pedagogy and Humanities, Fundamental Sciences and Oil and Gas Industry, International Relations and World Languages, Economics and Finance, Legal Sciences. Since 1997, Central Asian University has produced over 45,000 specialists. Over one hundred and forty-five teachers from them, eighty-one with scientific degrees, are involved in the educational process.

The research work of the CAU is conducted on 12 registered initiative scientific topics in JSC "National Center for State Scientific and Technical Expertise", an agreement was concluded with JSC Science Foundation granting a grant for the commercialization of scientific and technical activities for the amount of 300 million tenge from 21 November 2017 № 428. In the direction of mechanization and electrification of agriculture.

During the reporting period, 3 teachers won the state grant "The Best Teacher" in 2009, Ph.D., Professor Shankibaev B.N., in 2013, Doctor of Philosophy, Professor G. Baltabayeva, in 2015. Professor Nadyrov M.K.

VI CONFORMITY TO THE SPECIALIZED ACCREDITATION STANDARDS

6.1. Standard "Management of the educational program"

- The institution should have a published quality policy.
- The quality assurance policy should reflect the relationship between research, teaching and learning.
- The university should demonstrate the development of a culture of quality assurance, including in the context of the EP.
- Commitment to quality assurance should apply to any activities performed by contractors and partners (outsourcing), including in the implementation of joint / two-degree education and academic mobility.
- The management of the EP provides transparency in the development of an EP development plan based on an analysis of its functioning, the actual positioning of the institution and the focus of its activities on meeting the needs of the state, employers, stakeholders and students.
- The management of the EP demonstrates the functioning of the mechanisms for the formation and regular revision of the EP development plan and monitoring of its implementation, assessing the

achievement of the training objectives, meeting the needs of students, employers and society, making decisions aimed at the continuous improvement of the EP.

- The management of the EP should involve representatives of stakeholder groups, including employers, trainees and Teaching staff, in forming an EP development plan.

- The management of the EP should demonstrate the individuality and uniqueness of the EP development plan, its coherence with the national development priorities and the development strategy of the education organization.

- The university should demonstrate a clear definition of those responsible for business processes within the framework of the EP, unambiguous distribution of the duties of the staff, delineation of the functions of collegial bodies.

- The management should provide evidence of transparency in the management of the educational program.

- The management of the EP should demonstrate the successful functioning of the internal quality assurance system of the EP, including its design, management and monitoring, their improvement, decision-making on the basis of facts.

- The management of the EP should implement risk management.

- The management of the EP should ensure the participation of representatives of interested persons (employers, teaching staff, students) in the collegial bodies of management of the educational program, as well as their representativeness in making decisions on the management of the educational program.

- The university should demonstrate the management of innovation within the framework of the EP, including the analysis and implementation of innovative proposals.

- The management of the EP should demonstrate evidence of openness and accessibility for students, teaching staff, employers and other stakeholders.

- The management of the EP must receive training in educational management programs.

- The EP management should aim to ensure that the progress achieved since the last external quality assurance procedure is taken into account when preparing for the next procedure.

The Evidence

The Central Asian University independently determines the policy of quality assurance on the basis of acting normative and legal acts, accreditation standards and on the basis of the strategic plan for the development of the university. The strategic plan for the development of the university reflects the main directions of development of the internal system for ensuring the quality of education in the university, approved by the Academic Council (Minutes No. 9 of 08.11.2016).

Development and management of educational programs 5B060800 - "Ecology", 5B070800 - "Oil and gas business", 6M070800 - "Oil and gas business", 5B072900 - "Construction", 6M072900 - "Construction", 5B071700 - "Heat power engineering" and 6M071700 - "Heat power engineering" is carried out on based on the state license and its annexes issued by CCSON MES RK in accordance with the State Program for the Development of Education of the Republic of Kazakhstan for 2011-2020, the Strategy of Industrial and Innovative Development of the Republic of Kazakhstan until 2021 and the National Qualifications Framework.

The quality policy is reflected in Annex 3 of the Self-Report of the CAU, it is not posted on the CAU website. The Quality Policy provides a link between research, teaching and learning. In CAU, joint / two-degree education and academic mobility are not implemented.

The implementation of educational programs is carried out in accordance with the mission, the Strategic Development Plan, academic rules and regulations. Paper and electronic versions of the documents are available at the departments, available for TEACHING STAFF, staff and trainees, as well as employers and other interested persons.

At the level of the university, the collegial bodies that consider the development of educational programs are the management staff in the person of the head of the department and the heads of educational and methodological councils - the EP is considered at the meeting of the Department of "Fundamental Sciences and the Oil and Gas Industry", approval is given at a meeting of the Council of the Faculty of Innovative Technologies and Technology, is considered

at the Academic Council of the University, approved by the Rector on the basis of the decision of the Academic Council.

In the management of EP 5B072900 - "Construction", 6M072900 - "Construction" employers took part with proposals to change the content of topics for individual disciplines (Table 2).

Table 2 - Employers' participation in the management of educational programs

Academic discipline	Change in course content	Employer
5B072900 Construction		
"Composite building materials"	Include topics in the content of the EP in the direction "Application of modern building technologies and materials"	LLP "AlmatygorStroy" - Kalpenova Z.
6M072900 "Construction"		
"The erection of civil and public buildings"	To change the content of the EP subject-matter taking into account the specifics of the region (seismic safety)	LLP "AlmatyGiproGor-" Technical engineer Kalpenova Z.

To support the main processes in the university, a set of internal regulatory documents has been developed that regulates the implementation of educational programs and includes: Policy and Quality Objectives, Quality Manual; documented procedure; positions of process type; provisions on collegial bodies; internal regulatory documents (requirements, recommendations, etc.).

In the normative documents regulating the educational process, the requirements for forms of instruction (full-time, correspondence), levels of training are separately singled out.

Thus, training at the bachelor's level is regulated by separate procedures: Program for the Development of Education CAU 701-17 "Professional orientation work", Program for the Development of Education CAU 702-17 "Contingent formation", Program for the Development of Education CAU 703-17 "Educational and methodical work", Program for the Development of Education CAU 704-17 "Planning of training Program for the Development of Education, CAU 705-17 "Educational process", Program for the Development of Education CAU 706-17 "Assessment of students' knowledge, Program for the Development of Education CAU 708-17" Quality control of the educational process ", Program for the Development of Education CAU 709-19" Professional Practice ", Program for the Development of Education CAU 710 - 17 "Employment of graduates".

Training in the Master's program is regulated by separate procedures for the processes: Program for the Development of Education CAU 714-17 "Training in the magistracy", Program for the Development of Education CAU 715-17 "Assessment of knowledge of undergraduates", Program for the Development of Education CAU 716-17 "Professional practice magistracy." Final certification of undergraduates is regulated by the document of CAU 16-17 "Regulations on the final certification of undergraduates and registration of the master's thesis".

In CAU, EP analysis is periodically carried out to adjust their content and match trained specialists to the labor market. Reports on the implementation of development plans are included in the annual reports of the departments with critical analysis, are considered at meetings 2 times a year, as well as the results of monitoring the development plans for the EP are considered at the meetings of the Academic Council of the University. The results of the evaluation of the effectiveness of the implementation stages of the development phase are used to adjust and further develop the EP data. The plans for the development of the EP are adjusted as necessary.

Participation of employers, students, teachers in the formation of the Department of the "Fundamental Sciences and Oil and Gas Industry" departments is characterized by some degree of representativeness. Competent teachers were involved in the organization of the educational process, the formation of curricula, programs, and teaching methods. The leading Kazakh

scientist was Doctor of Engineering Science, Professor Koksikbaev A, Director of KazGorStroy, Doctor of Technical Sciences, Professor Oryngojin ES, Head of laboratory. Institute of Mining, MD, Professor Sharmanov T.Sh., President of the Kazakh Academy of Nutrition, Altukhov AA Deputy Director of RES of JSC "Alatau Zharyk". However, the commission of the EEC notes the involvement of interested persons to work in collegiate management bodies in isolated cases. According to the accredited EP "Ecology", "OIL AND GAS BUSINESS", "TEPLOENERGETIKA" there are no data on involving stakeholders in the development of the EP. In general, the university has no developed and approved system of documented all proposals from interested parties on making proposals.

The pro-rector on educational and methodical work carries out planning and control of the work on management of educational activities within the framework of the EP. Responsible for the implementation of the EP are the heads of the departments and the Deans. In accordance with the development of a culture of quality assurance, systematically and consistently in the institute and at the department monitors the training of students to ensure the quality of education within the intra-university quality system of education. Monitoring includes: an assessment of all activities of the department and teaching staff, reports are provided 2 times according to the results of the first and second half of the year; organization and conduct of ongoing monitoring of academic performance, intermediate and final certification; Assessment of the quality of the conduct of the class and methodological support; provision of educational and methodical literature; questioning of trainees, employees and teachers, to determine the level of satisfaction of internal consumers and the quality of the educational services provided.

Analytical part

At the same time, the following issues concerning this standard are not fully reflected in the self-report and were not confirmed during the visit of the EEC.

EEC notes that the uniqueness and the advantage of each EP submitted for accreditation before similar educational programs of other HEIs is not confirmed enough, this EPinion was confirmed during the interview of the managers of the EP and in the analysis of the submitted documentation.

Insufficient attention is paid to ensuring the quality of the activities carried out by partners, in particular, in the implementation of academic mobility. In particular, it was not possible to monitor the monitoring of students leaving for other universities through online consultations, correspondence with host universities, etc.

Experts are not provided with an analysis of the EP development plan for all accredited programs. The presented document as the Plan for the development of educational programs for 2017-2021 does not reflect the activities of the university on the development of the EP.

Experts were not able to verify the availability of records demonstrating how the analysis of the audit fund, the adequacy of computer classes, the necessary software and provision of technical laboratory equipment to ensure a full-fledged educational process on educational programs is carried out.

There are no risk management activities in the implementation of educational programs.

During the writing of the self-assessment report, conversations with the management of the EP and the heads of structural units, familiarity with the internal documents, the management of the EP could not document that the university is analyzing and practical implementation of innovative proposals. There are data on the internal quality assurance system of the EP, including its design, management and monitoring, their improvement, decision-making based on real recommendations of labor market representatives.

Information on the mechanism for managing the EP, changes in this process is not fully reflected in the official website of the university. The information posted on the website does not sufficiently reveal the activity of the university on the implementation of accredited EP for all levels of education.

The Commission notes that the accredited specialties of the cluster have done some work

to strengthen the documentation of all major business processes that regulate the implementation of the EP. At the same time, the issuing department should more accurately monitor the effectiveness of ongoing processes by applying targeted indicators that allow tracking the effectiveness of the management of the EP.

There is no information on the conduct of the analysis of the EP and its development, taking into account the needs of the state, employers, stakeholders and students

There are inconsistencies in the names of modules and disciplines in these modules EP 5B071700 - "Heat power engineering": in the module "Light engineering and electrical measurements" discipline "Theoretical foundations of heat engineering", in the module "Electric machines and electronics" discipline "Theory of combustion and furnace devices", etc. .

EEC recommendations

1. Consider the possibility of developing a single document reflecting the quality assurance policy (design of the EP, risk management, monitoring, improvement, decision-making on the basis of facts, etc.) and publishing it on accessible Internet resources of the university.

2. Create a dialogue platform on strategic planning of university activities and educational programs, including on the basis of UMC RUMS MES RK.

3. Conduct an analysis of the effectiveness of the existing system of teacher load planning.

4. Include in the work plan of the department the issue of developing joint educational programs with foreign educational organizations, with the inclusion of items:

- the inclusion of disciplines that have a research direction in the QED of joint educational programs;

- implementation of external academic mobility programs for students and teaching staff;

- implementation of two-diploma education programs.

5. To improve the mechanisms of design, management, internal quality assessment, examination and monitoring of accredited EP taking into account risks.

6. To update the individuality and uniqueness of the accredited EP 2 cluster in connection with the implementation of the "Kazakhstan-2050 Strategy", the "Kazakhstan-2050" Strategy, the "30 most developed countries", "The Nation's Plan - 100 concrete steps", "The Third Modernization of Kazakhstan", "Industrialization program", "Digital Kazakhstan".

7. Management of the university to develop a provision on risk management with a description of the mechanisms for determining these risks and ways to reduce them.

8. Activate the system of involving teachers, trainees and employers in the process of making strategic decisions through the establishment of committees.

9. Management of the university to introduce the practice of organizing courses on management of education and student-centered training for managers of the EP.

10. By the beginning of the new 2018/19 school year, draw up a plan and organize introductory courses for managers of the EP on planning the results of training, organizing the educational process for educational programs according to the CTO and implementing the basic principles of the Bologna process.

11. Management of the university to provide a mechanism for conducting internal audit of structural units to eliminate comments and implement recommendations of various types of external audit.

12. As the development of professional standards, ensure the development of new competency models of university graduates with the involvement of employers.

Conclusions of the EEC on the standard EP 5B072900 / 6M072900 - "Construction" have 11 - satisfactory positions, 6 - require improvement.

Conclusions of the EEC on the standard EP 5B060800 - Ecology, 5B070800 - Oil and gas business, 6M070800 - Oil and gas business, 5B071700 - Heat power engineering, 6M071700 - Heat power engineering have 9 - satisfactory positions, 8 - require improvement.

6.2. Standard "Information Management and Reporting"

- 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.

- The EP management should demonstrate the systematic use of processed, adequate information to improve the internal quality assurance system.

- The system of regular reporting should exist within the framework of the EP, reflecting all levels of the structure, including an assessment of the effectiveness and effectiveness of the departments and departments, scientific research.

- The university should establish the periodicity, forms and methods for assessing the management of the EP, the activities of collegial bodies and structural units, senior management, the implementation of scientific projects.

- The university should demonstrate the definition of order and ensure the protection of information, including the identification of responsible persons for the reliability and timeliness of the analysis of information and the provision of data.

- An important factor is the involvement of students, workers and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them.

- The EP management should demonstrate the existence of a mechanism of communication with trainees, employees and other stakeholders, including the presence of conflict resolution mechanisms.

- The university should provide a measure of the degree of satisfaction of the needs of the teaching staff, staff and trainees within the EP and demonstrate evidence of addressing the deficiencies found.

- The university should evaluate the effectiveness and effectiveness of activities, including in the context of the EP.

- The information collected and analyzed by the university within the framework of the EP should take into account:

- Key performance indicators;
- the dynamics of the contingent of students in the context of forms and species;
- the level of academic achievement, student achievement and deduction;
- Students' satisfaction with the implementation of the EP and the quality of training in the university;
- availability of educational resources and support systems for students;
- Employment and career growth of graduates.

- Students, employees and TEACHING STAFF must confirm their consent to the processing of personal data.

- The management of the EP should facilitate the provision of all necessary information in the relevant fields of science.

The Evidence

The organizational structure of the University management ensures the unity of the stable interrelations between the structural subdivisions that carry out the educational, scientific, methodical, educational, economic activities necessary to achieve the goals set by the University's Strategic Development Plan for 2017-2021

In general, the structure of university management has a clearly defined hierarchy, which is balanced by the transfer of many powers to the lower levels of government, so as to ensure the participation of all units in the mission and implementation of the university's strategy. The structure of the university has a classical content and covers both educational, scientific, and auxiliary units.

The University has created a scheme for the distribution of functional responsibilities between different levels of management, heads of structural units and executors. However, the EEC Commission recommends that the functional division of responsibilities between the heads of structural units be reviewed, which will allow it to more successfully implement its development strategy.

The first head of the University, acting on the basis of the University Charter, coordinates and manages the strategic and EPerational tasks of the university development. The Rector is entrusted with the functions of the Chairman of the Academic Council, which strengthens the

role and importance of the first leader as the leader of the organization and contributes to achieving a higher impact on the various activities of the University (academic, research, organizational, educational, etc.), and also works to consolidate the efforts of the PPS, employees and students in achieving the strategic goals of the University.

The Academic Council is the supreme collegiate governing body that considers the current, prospective and strategic issues of the development and functioning of the university. The composition of the Academic Council is selected from among scientists, heads of structural units, highly qualified teachers, leading employees and representatives of students.

The Rectorate performs the functions of Operational management and decision-making on the activities of the University, as well as on the implementation of measures adopted by the Academic Council. The sessions of the administration are held regularly according to the plan of the rector's work with the participation of the heads of the departments of the university.

Central Asian University in the process of implementing its academic, scientific and extracurricular activities is guided by the legislative acts of the Republic of Kazakhstan regulating the activities of the education organization and internal normative documentation (QMS documentation, regulations, orders, orders). In order to form a successful educational environment, to increase the attractiveness of training programs, in accordance with the requirements of the QMS, procedures have been developed to manage all types of activities, there is a base of normative and instructive documents of the Ministry of Education and Science of the Republic of Kazakhstan. Documents on the organization and management of educational, scientific and extracurricular activities are developed by units that directly use them in their work.

To provide the possibility of Operational management within the framework of the portal "CAU", a system is developed that automates the counting of student enrollment movement, which allows receiving current reporting on the basis of a centralized database. The developed automated system allows to provide full electronic document circulation between all structural divisions of the University.

In 2012, the development and implementation of an automated information system for document circulation on the LotusNotes platform was launched.

In 2013, the rector of the University in connection with the approved Governmental Decree of May 17, 2013 No. 499 "Standard rules for the activities of organizations of higher and postgraduate education", based on the Development Strategy of Central Asian University for 2017-2021, as well as to implement corrective actions with the purpose of improving the activity of the university, it was decided to make appropriate changes to the existing organizational structure of the university administration. To fulfill the assignment of the rector, a special expert commission was established, headed by the first pro-rector of the university and directors of departments. On the basis of suggestions and comments made by all structural divisions of the University, by the decision of the Academic Council (No. 13 of June 28, 2014), on August 25, 2017, a new organizational structure of the university was approved and introduced (orders of the rector No. 260 from 25.08.2017 in

Forms of collegial management of the University are the Academic Council, the Rectorate. The Academic Council examines strategic issues in the main areas of the university: to implement educational, teaching and research and research work, as well as educational work among students, work on the preparation of scientific and pedagogical personnel and improve their skills, develop the material and technical base. The Rectorate is an advisory body under the rector, created to prepare and review decisions in the field of direct management at the university on organizational, educational and administrative-economic issues. The activities of structural units of the university are regulated by the "Regulations on structural subdivisions". The structure of educational and scientific units is presented in the same name scheme.

The University carries out management processes, including planning and allocation of resources in accordance with the strategy. The organizational structure of university management ensures the unity of stable relations between structural divisions that carry out educational,

scientific, methodological, educational, economic activities necessary to achieve the goals formulated by the strategic plan for the development of the university. The management of the day-to-day activities is carried out by the rectorate in the person of 2 vice-rectors (pro-rector for educational and methodical work, pro-rector for scientific work), heads of structural divisions, heads of structural divisions, deans of faculties, heads of chairs under the overall supervision of the rector of the University of Central Asia. The Rector, acting on the basis of the Charter of the University of Central Asia, coordinates and manages the strategic and operational tasks of the university development. The Rector is a leader, a modern efficient manager, orienting innovations and sustainability of the university development. The rector forms the image of the university, the conditions and content of the educational process, directs the joint activities of all its participants, diverse processes, among which the main are the educational and scientific.

The supporting documents on the organizational structure and management of the university include:

- Charter of the Central Asian University on the right of economic management (approved by the order of the Chairman of the Committee of State Property and Privatization of the Ministry of Finance of the Republic of Kazakhstan dated 03.09.1997;
- Regulations on the Academic Council (approved by the Rector No. 10 of 26.06.2017);
- Organizational structure of management of the University of Central Asia University (approved by the Order of the Rector of the University for № 33 from August 29, 2017);
- Regulations on structural divisions of the University (approved by the order of the rector of the University №33 of August 29, 2017).

The activities of the university and its structural subdivisions are based on strategic and annual planning, are regulated by the Rules of Internal Labor Regulations, the relevant Regulations describing the purpose, organizational subordination, the staff composition of staff, the regulatory framework. The rules of internal labor regulations are approved by the decision of the Academic Council (Minutes No. 10 of 26 June 2017).

The regulations on the structural subdivision (faculty, department, department) establish the status, purpose, structure, main functions and tasks of the subdivision, authority, responsibility and rights, interaction with other divisions, and also the forms of rewarding employees of the unit.

In job descriptions of employees of the university qualification requirements, job duties, rights and responsibility of the employee appointed to the respective position are determined.

The original documents are contained in the Department of Organizational and Personnel Work, working copies (copies) - in the relevant units. Management of these documents is carried out in accordance with the University Standard "Document Management".

The Academic Council of the University is the highest form of collegial management of the university. Meetings of the Academic Council of the University are held in accordance with the approved plan for the academic year (regularity - once a month). The members of the Academic Council of the Central Council are approved by the order of the rector for a period of 3 years. The members of the Academic Council include: pro-rectors, deans of faculties, heads of structural divisions, representatives of youth student organizations. In accordance with the Regulations on the Commission for Monitoring the Implementation of the Decisions of the Academic Council, control is exercised over the implementation of decisions of the Academic Council of the Central Asian University. The Commission for Monitoring the Implementation of the Decisions of the Academic Council is established at the Academic Council of the University by the order of the Rector of the University. The term of commission authority is 1 year.) The commission is created from the members of the Academic Council consisting of 5-7 people. The rules for organizing the work of the commission for monitoring the implementation of decisions are developed in accordance with the Regulations on the Academic Council of the University (approved by the Rector on 26.06.2017).

Analytical part

Analyzing compliance with the requirements of the "Information Management and Reporting" standard for accredited cluster EPs, the commission notes that the information management and reporting system does not fully operate at the university. It is necessary to pay attention to the systematic consideration of the effectiveness of decisions taken and monitoring of the activities of units and programs at the meetings of the Academic Council.

Questioning of students, employers is carried out. However, based on the results of the survey / interviewing, the analysis of identified shortcomings and actions for their elimination is not presented.

EEC notes that the university does not systematically conduct an internal assessment of the quality of management of the EP. There is no analysis of the readiness of the department for the academic year: the availability of methodological support for the Department of Internal Affairs (UMK, MOS, RUE, QED, QMD), material support of the educational process for the OT, readiness of the department for the evaluation of learning outcomes.

It is necessary to periodically perform internal audit, register inconsistencies, take corrective actions.

It should be noted the lack of a unified corporate mail, which makes it difficult for effective professional communication and identification of the staff and faculty of the university as its employees.

The management of the EP does not have a special information resource (website, stand, etc.) through which information (including current) is disseminated concerning the formation and implementation of the EP development plan.

The University does not evaluate the effectiveness and effectiveness of the OT, there are no criteria for these concepts.

There is no documentary evidence that trainees, employees and Teaching staff confirm their consent to the processing of personal data.

EEC recommendations

1. Management of the university to develop a structure for planning and taking account of the activities of structural units, coordinated with the strategic planning of the university.

2. Continue the work on the annual update of the educational programs of the two clusters with discussion of the proposals on the collegial management bodies with the involvement of the interested persons with the publication of all the done changes on the site of the university.

3. Consider the possibility of creating a single corporate mail with personal addresses for all employees and students of the University.

4. Improve the system of key performance indicators on the basis of indicative TEACHING STAFF plans to improve the effectiveness of personal and professional development of Teaching staff.

5. Ensure the transparency of the TEACHING STAFF motivation system through the formation of common criteria and its publication.

6. University's management to ensure regular updating of the University's information portal with the training of managers of responsible structural units to improve the system of information collection and processing. To increase the involvement of trainees, workers and TEACHING STAFF in the processes of collecting and analyzing information, as well as making decisions based on them.

EEC according to the standard EP 5B072900 / 6M072900 - "Construction" have 11 - satisfactory positions, 6 - require improvement.

Conclusions of the EEC on the standard EP 5B060800 - Ecology, 5B070800 - Oil and gas business, 6M070800 - Oil and gas business, 5B071700 - Heat power engineering, 6M071700 - Heat power engineering have 11 - satisfactory positions, 6 - require improvement.

6.3. Standard "Development and approval of the educational program"

- The institution should define and document the procedures for the development of the EP and their approval at the institutional level.
- The management of the EP should ensure that the developed EP meets the established objectives, including the expected learning outcomes.
- The EP management should ensure that there are developed models of the graduate student who describe the learning outcomes and personal qualities.
- The management of the EP should demonstrate the conduct of external expertise of the EP.
- The qualification obtained at the conclusion of the EP shall be clearly defined, clarified and consistent with a certain level of the NQF.
- The management team should determine the impact of disciplines and professional practices on the formation of learning outcomes.
- An important factor is the possibility of preparing students for professional certification.
- The management of the EP should provide evidence of the participation of trainees, Teaching staff and other stakeholders in the development of the EP, ensuring their quality.
- The complexity of the EP should be clearly defined in Kazakhstan credits and ECTS.
- The management of the EP should ensure the content of the academic disciplines and learning outcomes of the level of study (bachelor's, master's, doctoral).
- The EP structure should provide for various activities corresponding to the learning outcomes.
- An important factor is the existence of joint EP with foreign educational organizations.

The evidence

The university defines and documents the procedures for the development of the EP and their approval at the institutional level.

The structure of accredited EP 2 Cluster 2014-2016 year of receipt meets the requirements set out in the Order of the Ministry of Education and Science of the Republic of Kazakhstan dated April 20, 2011 No. 152 "On Approval of the Rules for Organization of the Educational Process on Credit Technology Training.

The management of the EP provided the presence of the developed models of the graduate of the EP, describing the results of training and personal qualities.

Qualification of trainees of the EP 2 cluster, obtained after graduation, corresponds to the National Qualifications Framework.

The management of accredited MPs determines the impact of disciplines and professional practices on the formation of learning outcomes. The educational programs of the accredited CS contain components for the preparation for professional activities, developing key qualifications, intellectual and academic skills (the DB and PD cycle), as well as the components of the practical component of the training.

The complexity of accredited EPs is defined in Kazakhstan credits and ECTS. The list and laboriousness of compulsory disciplines, their distribution in cycles correspond to the TMU.

Compliance of the contents of compulsory subjects with the Bachelor's level and the proposed learning outcomes is ensured through the content of standard curricula approved by the Ministry of Education and Science of the Republic of Kazakhstan. Most elective courses are a teaching material that complements compulsory disciplines and contributes to the provision of a multidisciplinary nature of education in several related specialties. The elective courses offered for study are presented in the form of certain natural trajectories with the indication of the previous disciplines, prerequisites, the possession of which is necessary for understanding the following, and also indicating the post-requisition. The logical sequence and continuity of knowledge within the framework of EP 5B072900 / 6M0072900 "Construction" is confirmed by the distribution of disciplines at courses and levels of study. During the study of accredited EP, various activities are provided: lecture classes, practical and laboratory classes, CDS, professional practice, performance of the thesis.

All types of classes, during which the general, basic and professional competences of students are formed are reflected in the Educational and Research Institute. For example, within the framework of EP 5B060800 Ecology, mastering the basic professional competencies in the

field of regional and global environmental problems, environmental standards, the activities of national and international environmental organizations, the principles of the formation, dynamics and development of ecosystems of different rank is studied in the course of disciplines: "Ecology" and sustainable development, "Biogeochemistry and ecotoxicology," Industrial ecology, "Radiation Ecology", etc. Professional practices ("Training Practice," Production aktika ") allow students to acquire practical skills and abilities taxonomy of plants and animals, hydrology, environmental monitoring. The completion of the thesis results in the acquisition of professional competences for conducting scientific research in order to study various natural objects, their interconnection and interdependence.

Research work allows undergraduates EP 6M072900 "Stoyatstvo" to master the skills of planning, organizing, conducting a scientific experiment in accordance with the current state of science in the field of earthquake-proof construction, processing and interpretation of experimental data.

Analytical part

At the same time, the commission notes that according to this standard the following issues are not fully reflected in the self-report and did not find confirmation during the visit of the EEC:

Students who are trained in the framework of EP 2 cluster at the time of accreditation do not have the opportunity to obtain professional certification of knowledge in the field of their specializations.

The management of the EP does not fully ensure the participation of trainees, staff and other stakeholders in the development of the EP, ensuring their quality.

The department did not submit data on cooperation with foreign universities and organizations. However, the university is negotiating with the universities of Great Britain and India in this direction.

The content of individual submitted examinations of employers does not reflect individuality.

Strengths / best practice

- The complexity of the EP is defined in Kazakhstan's kredit and ECTS.

EEC recommendations

1. Ensure that the list and content of the academic disciplines and the results of training correspond to the level of study (bachelor's and master's degrees), eliminate inconsistencies in the list of disciplines in QED and MOS EP 5B071700 - "Heat Power Engineering".

2. Provide periodic external examinations of educational programs 5B060800 - "Ecology", 5B070800 - "Oil and gas business", 6M070800 - "Oil and gas business", 5B072900 - "Construction", 6M072900 - "Construction", 5B071700 - "Heat power engineering" and 6M071700 - "Heat power engineering ».

3. Provide for the possibility of parallel training with the assignment of a work profession and the implementation of two-diploma education programs.

4. Coordinate the training plans of the MNP with representatives from employers, students.

5. To consider the possibility of developing joint educational programs 5B060800 - "Ecology", 5B070800 - "Oil and gas business", 6M070800 - "Oil and gas business", 5B072900 - "Construction", 6M072900 - "Construction", 5B071700 - "Heat power engineering" and 6M071700 - "Heat power engineering" With universities of near and far abroad. as well as universities of Kazakhstan.

Conclusions of the EEC on the standard EP 5B072900 / 6M072900 - "Construction" have 1 - strong, 8 - satisfactory positions, 3 - require improvement.

Conclusions of the EEC on the standard EP 5B060800 - Ecology, 5B070800 - Oil and gas business, 6M070800 - Oil and gas business, 5B071700 - Heat power engineering,

6M071700 - Heat power engineering have 1 - strong, 6 - satisfactory positions, 5 - require improvement.

6.4. Standard "Continuous monitoring and periodic evaluation of educational programs"

- The institution should monitor and periodically assess the OD in order to ensure that the goal is achieved and meet the needs of students and the community. The results of these processes are aimed at the continuous improvement of the EP.

- Monitoring and periodic evaluation of EP should consider:

- The content of programs in the light of the latest achievements of science in a specific discipline to ensure the relevance of the discipline being taught;

- Changes in the needs of society and the professional environment;

- The workload, progress and release of students;

- Effectiveness of evaluation procedures for students;

- Expectations, needs and satisfaction of students;

- Educational environment and support services and their compliance with the objectives of the EP.

- The university and the management of the EP must provide evidence of the participation of trainees, employers and other stakeholders in the revision of the EP.

- All interested persons should be informed of any planned or undertaken actions in relation to the EP. All changes made to the EP shall be published.

- The management of the EP should ensure that the content and structure of the EP are reviewed, taking into account changes in the labor market, the requirements of employers and the social demand of the community.

The evidence

The EEC confirms that the leadership of the university has demonstrated its Openness and accessibility for students, teaching staff, employers: hours of reception on personal issues are determined, meetings with the rector are systematically held.

In an interview with the heads of structural units, in particular the head of the teaching and methodical department, it was announced that internal monitoring and periodic evaluation of the EP is carried out at the following levels: the department, the UMC of the faculty and the university, the Academic Council of the University. However, the minutes of the meetings of the department, UMS, Academic Council with inclusion of the description of the results of these processes were not presented.

Teachers of the Department of "Fundamental Sciences and Oil and Gas Industry" use the assessment of tasks - testing.

Analytical part

The following tendency is observed for the admission of trainees accredited by the OT:

Academic year	Form of training	Total students	Grant-trained students		Trained on a fee basis	
			rus	kaz	rus	kaz
5B060800 Ecology - increase in contingent						
2015-2016	Full-time	5	0	0	5	0
2016-2017	Full-time	4	0	0	4	0
2017-2018	Full-time	12	0	0	10	2
5B070800 Oil and gas business - increase in contingent						
2015-2016	Full-time	60	0	0	22	38
2016-2017	Full-time	118	0	0	49	69
2017-2018	Full-time	113	0	0	44	69
5B072900 Construction - increase in contingent						
2015-2016	Full-time	25	0	0	12	13
2016-2017	Full-time	39	0	0	25	14
2017-2018	Full-time	57	0	0	53	4
5B071700 Heat power engineering - reduction of the contingent						
2015-2016	Full-time	5	1	0	4	0

2016-2017	Full-time	7	0	0	7	0
2017-2018	Full-time	5	0	0	5	0

On the contingent of the master's level on accredited EP information on the movement of the contingent in the context of 3 years is not represented.

The management of the EP does not provide information and supporting documentation on the inclusion of new disciplines in the curricula of accredited EPs.

At the same time, the commission notes that the standard does not fully reflect the issues of informing interested persons of any planned or undertaken actions regarding the EP and those reflected on the university's website.

The total volume of the TEACHING STAFF load includes: classroom activities, SROs and SRTP. The organization of independent work of the student (SRO) and individualization of the process of teaching students is carried out on the basis of the curriculum of the course (syllabus). However, the leadership of the university needs to revise the system of distribution of the load of the teaching staff, as there is a tendency for the lecturers to engage in lecture classes (according to the individual TEACHING STAFF plans presented).

EEC recommendations

To intensify the work on an annual 30% update of educational programs, with the publication of all the changes made on the university's website, with the involvement of all stakeholders and documented.

Conclusions of the EEC on the standard EP 5B072900 / 6M072900 - "Construction" have 8 - satisfactory positions, 2 - require improvement.

Conclusions of the EEC on the standard EP 5B060800 - Ecology, 5B070800 - Oil and gas business, 6M070800 - Oil and gas business, 5B071700 - Heat power engineering, 6M071700 - Heat power engineering have 5 - satisfactory positions, 5 - require improvement.

6.5. Standard "Student-centered learning, teaching and assessment of progress"

- The EP management should ensure respect and attention to different groups of learners and their needs, providing them with flexible learning paths.
- The EP management should ensure the use of various forms and methods of teaching and learning.
- An important factor is the availability of our own research in the field of methods of teaching the academic disciplines of the EP.
- The EP management should demonstrate the availability of a feedback system on the use of different teaching methods and evaluation of learning outcomes.
- The EP management should demonstrate support for the autonomy of trainees with simultaneous guidance and assistance from the instructor.
- The EP management should demonstrate the existence of a procedure for responding to student complaints.
- The institution should ensure the consistency, transparency and objectivity of the evaluation mechanism for each training program, including an appeal.
- The institution should ensure that the procedures for evaluating the learning outcomes of the students of the EP are consistent with the planned learning outcomes and program objectives. Criteria and methods of evaluation within the framework of the EP should be published in advance.
- The institution should determine the mechanisms for ensuring that each graduate has mastered the learning outcomes and ensures the completeness of their formation.
- Evaluators need to own modern методами оценки результатов обучения и регулярно повышать квалификацию в этой области.

The evidence

Ensuring equal Opportunities for students is achieved by completeness of educational,

methodological, organizational, methodological and information support of the educational process in two languages of instruction: Kazakh and Russian. For multilingual groups in 2 languages: Kazakh / Russian, Kazakh / English, Russian / English. For example, under EP 5B060800 "Ecology" in English such disciplines as "Ecological aspects of natural science", "Chemistry", "Setting of laboratory experiment in ecology" are conducted.

However, the subjects of the disciplines taught in English were not represented.

Teachers - advisers play the main role in helping to form and move along the educational trajectory.

Support for the autonomy of students with simultaneous guidance and assistance from the teachers of the Department of "Fundamental Sciences and the Oil and Gas Industry" can be seen in the following examples:

- The management of the EP uses a feedback system on the use of different teaching methods and evaluation of learning outcomes.

- The leadership of the EP demonstrated the existence of a procedure for responding to complaints from students.

- The institution defines the mechanisms for ensuring that each graduate of the program learns the learning outcomes and ensures the completeness of their formation.

Analytical part

The analysis of the procedures for monitoring and periodic evaluation of the EP is carried out on the basis of: the analysis of curricula, the catalog of elective disciplines, individual plans of the programs of trainees, internal normative documents regulating the implementation of educational programs, their monitoring and evaluation; protocols of collegial bodies and meetings of departments; interviewing and questioning of students, teaching staff and interested parties; the results of observations of the activities of support services.

However, the commission notes that the standard does not fully reflect the issue of informing interested parties of any planned or undertaken actions against the EP.

Upon request of the results of academic progress and the quality of knowledge for the last 3 years, information is not provided. The influence of teaching methods on the quality of the educational process was not possible to track, since the results of the SAC were not presented.

There is not enough work to monitor the CDS: the department does not have a schedule for the CDS, the students who were trained during the interview could not give a concise answer to the questions connected with the organization of the SRSP.

In the educational process, various forms and methods of teaching are not actively used: in the disciplines of disciplines, on average more than 70% fall on classes in the traditional oral form. Classes attended by experts also took the form of a traditional lecture and a traditional oral response. The actual technical support of multimedia equipment was not tracked.

There is a low share of own research in the field of teaching the academic disciplines of the EP. There is no own bank of training cases.

EEC recommendations

1. Ensure an increase in the number of students involved in research and development and creative work with participation in grant funding of the Ministry of Education and Science of the Republic of Kazakhstan, the World Bank, social projects, competitions of the First President of Kazakhstan Foundation, Erasmus + programs, Tempus, and various creative competitions.

2. Strengthen the work on international cooperation, attract international lecturers on an alternative basis as short-term modules on disciplines.

3. Introduce the practice of conducting training seminars for managers of vocational training and teaching staff on student-centered learning.

Conclusions of the EEC on the standard EP 5B072900 / 6M072900 - "Construction" have 9 - satisfactory positions, 1 - require improvement.

Conclusions of the EEC on the standard EP 5B060800 - Ecology, 5B070800 - Oil and

gas business, 6M070800 - Oil and gas business, 5B071700 - Heat power engineering, 6M071700 - Heat power engineering have 9 - satisfactory positions, 1 - need improvement.

6.6. Standard "Learners"

- The university should demonstrate the policy of forming a contingent of trainees in the context of the EP from admission to release and ensure the transparency of its procedures. Procedures regulating the life cycle of trainees (from admission to completion) should be identified, approved, published.

- The EP management should demonstrate special adaptation and support programs for newly enrolled and foreign students.

- The institution should demonstrate the conformity of its actions to the Lisbon Recognition Convention.

- 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.

- The EP management should demonstrate the existence and application of a mechanism for recognizing the results of academic mobility of trainees, as well as the results of additional, formal and informal training.

- The university should provide an opportunity for external and internal mobility of the students of the EP, and also assist them in obtaining external grants for training.

- The management of the EP should make the maximum amount of effort to provide practice-based practitioners, facilitate the employment of graduates, and maintain communication with them.

- The institution should provide the graduates with documents confirming the received qualifications, including the results achieved, as well as the context, content and status of the education received and evidence of its completion.

- An important factor is the monitoring of the employment and professional activities of the graduates of the EP.

- The EP leadership should actively encourage students to self-education and development outside the main program (extracurricular activities).

- An important factor is the existence of an active association / association of graduates.

- An important factor is *the availability of a support mechanism for gifted students.*

The evidence

The university demonstrated the policy of forming a contingent of trainees in the context of the EP from admission to release and ensures the transparency of its procedures. Procedures regulating the life cycle of students (from admission to completion), identified, approved, published.

The policy of forming a contingent of students of the Central Administrative Board is formed on the basis of the annual Career Guidance Plan implemented by the Center for Career Guidance. Issues of formation of the contingent and the results of admission are considered at the meetings of the departments, the faculty council,

When forming a contingent of students, the university is guided by internal procedures and regulations.

Table - Admission data for applicants of cluster EP 2

Bachelor's program

Specialty	2015-2016 academic year		2016-2017 academic year		2017-2018 academic year	
	full-time	extramural	full-time	extramural	full-time	extramural
5B060800 Ecology	1	1	1	9	7	0
5B070800 Oil and gas business	8	2	15	1	17	8
5B072900 Construction	3	0	14	0	10	0
5B071700 Heat power engineering	0	0	4	0	2	1

Master's Courses

Academic year	Form of training	Total students	Grant-trained students		Trained on a fee basis	
			rus	kaz	rus	kaz
6M070800 - Oil and gas business - reduction of the contingent						
2015-2016	full-time	4			4	
2016-2017	full-time	3			3	
2017-2018	full-time	1			1	
6M072900 - "Construction" - reduction of the contingent						
2015-2016	full-time					
2016-2017	full-time	2			2	
2017-2018	full-time	1			1	
6M071700 - "Heat power engineering" - instability						
2015-2016	full-time					
2016-2017	full-time					
2017-2018	full-time	2				2

From the first day of the visit to the Central University for the adaptation of students, meetings are held with the deans of the faculties, with the evaizers, during which they receive a guidebook with information about the educational process: the basic concepts of the credit technology of instruction, the rules for the organization of the educational process, the procedure for assessing knowledge at the university, on the next course, the elimination of academic debt, transfer to another educational institution, restoration, deduction, the provision of academic leave, etc. The guide-guide is available both on paper, which is received by each student of the university, and in electronic form, which is available on the official website.

The following activities are conducted for foreign and visiting students: an introductory course is organized to inform students about the chosen specialty, to familiarize themselves with the guidebook, a tour of the university, get acquainted with the faculty of the department, excursions around the city, provide methodological assistance, conduct current, thematic , EPerational consultations.

Department of educational work is working with young people, the university is functioning KDM.

The activity of the CAU, which carries out educational activity in accordance with the state normative documents in the sphere of education, which has a state license and institutional accreditation in the territory of the Republic of Kazakhstan, corresponds to the Lisbon Convention. In accordance with the requirements of the Lisbon Convention, the admission committee conducts work on the delivery of documents of persons entering the university who have documents on the formation of international and foreign educational institutions for the procedure for recognition and nostrification in the center of the Bologna process and academic mobility of the Ministry of Education and Science of the Republic of Kazakhstan. Documents confirming the passage of the procedure of nostrification are in the personal files of the students.

All types of practices in the Department of "Fundamental Sciences and the Oil and Gas Industry" are provided with a package of documents, including working training programs, methodological guidelines for the passage of practices, forms of diaries, report forms. The composition of the practice manual is presented by teachers whose qualification corresponds to the profile of the EP. However, the commission of the EEC does not provide a sufficient number of contracts for the passage of practices.

Presented prolonged and individual contracts for the Department of "Fundamental Sciences and Oil and Gas Industry" were compiled with the following enterprises and institutions of the city and region: LLP "Exxon coEP.-10", Emergency Repair Section of UMG "Aktobe" JSC "ICA" LLP "MMSK Kurylys" , LLP" Atmosphere " , " TETS-1 " - all contracts for students of EP" Construction " , " Heat power engineering "and" Ecology ". For EP "OIL AND GAS BUSINESS" - contracts for the period of accreditation are not provided.

Pedagogical practice of the accredited level of the MA level Master is provided at the

Department of "Fundamental Sciences and the Oil and Gas Industry".

The CAU provides graduates with documents confirming the received qualification, including the results achieved, as well as the context, content and status of the education received and evidence of its completion.

With the graduates-employers of the specialty "Construction" there is quite a good connection for the availability of vacant employment places. Graduates inform the faculty of "Fundamental Sciences and Oil and Gas Industry" about the availability of vacancies in the specialty and invite to the vacant posts graduates of the Central Asian University.

Annually students take part in sports-mass competitions.

In the university there is a presence of a mechanism to support gifted students by providing discounts for training on the final points of the UNT. Issues of social security of students are successfully solved. Those who are trained on a contractual basis have the opportunity to receive discounts on the results of examination sessions and in connection with the material and family situation.

The table shows the number of published scientific articles by students of the Department of "Fundamental Sciences and the Oil and Gas Industry"

Table - Number of publications of the students of the Department of "Fundamental Sciences and the Oil and Gas Industry"

<i>EP</i>	<i>2015/20</i>		<i>2016/20</i>		<i>2017/20</i>	
	<i>16</i>	<i>academic</i>	<i>17</i>	<i>academic</i>	<i>18</i>	<i>academic</i>
	<i>year</i>		<i>year</i>		<i>year</i>	
5B060800 Ecology		<u>1</u>		<u>1</u>		<u>2</u>
5B071700 Heat power engineering		<u>1</u>		<u>2</u>		<u>4</u>
5B070800 Oil and gas business		<u>2</u>		<u>6</u>		<u>7</u>
5B072900 Construction		<u>2</u>		<u>4</u>		<u>6</u>

According to the questionnaire, the students express full satisfaction with the availability of academic counseling (85.7%); quality of the student health service (88.8%); availability of library resources (97.1%); existing educational resources (91.8%); general quality of training programs (89.6%); the ratio between the student and the teacher (96.3%).

Analytical part

At the same time, the commission notes that the following questions regarding this standard are not fully reflected in the self-report and were not confirmed during the visit of the EEC.

In the university it is necessary to develop a mechanism for the employment of graduates. The analysis of data on employment is not presented.

The academic mobility of the students of the Department of "Fundamental Sciences and the Oil and Gas Industry" is weak.

The submitted agreements on the passage of practices do not have a single form, are filled not at the appropriate level, in insufficient quantity by the ratio to the contingent.

Trainees, in the framework of accredited EP, inactive participate in the republican competitions in students scientific researches. The scientific project activity of the students of the Department of "Fundamental Sciences and the Oil and Gas Industry" is weak.

The EP leadership inactive stimulates students to self-education and the development of an extra-curricular program (extracurricular activities).

EEC recommendations

1. Organize work on the organization of conditions for additional study of foreign languages by students and faculty of the University with the inclusion in the work plans of the department and university for 2018-2021.

2. By developing and introducing joint educational programs with higher education institutions in Kazakhstan, to increase the number of students pursuing internal academic mobility.

3. Strengthen the work on attracting graduates of accredited PAs in the work of collegiate management bodies, including in the association of graduates.

4. By the beginning of the new 2018/19 academic year, the leadership of the EP will develop a revised model of the graduate and a plan for the development of the EP, taking into account the specifics of the specialties of the two clusters.

5. During the 2018/19 academic year, the graduating department to conclude additional contracts for the practical training of students of the EP, where students will be given all the Opportunities to obtain the necessary practical skills in their specialization.

EEC according to the standard EP 5B072900 / 6M072900 - "Construction" have 8 - satisfactory positions, 4 - require improvement.

Conclusions of the EEC on the standard EP 5B060800 - Ecology, 5B070800 - Oil and gas business, 6M070800 - Oil and gas business, 5B071700 - Heat power engineering, 6M071700 - Heat power engineering have 7 - satisfactory positions, 5 - require improvement.

6.7. Standard "Teaching staff"

- University should have an objective and transparent personnel policy, including in the context of the EP, which includes hiring, professional growth and staff development, which ensures the professional competence of the whole state.

- Use should demonstrate the adequacy of the staff potential of the TEACHING STAFF strategy for the development of the university and the specifics of the EP.

- The EP manual should demonstrate awareness of responsibility for its employees and providing them with favorable working conditions.

- PO guidance should demonstrate the changing role of the teacher in relation to the transition to student-centered learning.

- Use should determine the contribution of the TEACHING STAFF to the implementation of the development strategy of the university, and other strategic documents.

- Vuz must provide Opportunities for career growth and professional development of the TEACHING STAFF EP.

- The EP manual should involve practitioners in the relevant industries.

- The EP manual should provide targeted action to develop young teachers.

- Use should demonstrate the motivation for the professional and personal development of the teachers of the EP, including the promotion of both the integration of research and education, and the use of innovative teaching methods.

- An important factor is the active use of TEACHING STAFF of information and communication technologies in the educational process (for example, on-line training, e-portfolio, MEP, etc.).

- An important factor is the development of academic mobility within the framework of the EP, attracting the best foreign and domestic teachers.

- An important factor is the involvement of the TEACHING STAFF of the EP in the life of society (the role of TEACHING STAFF in the education system, the development of science, the region, the creation of a cultural environment, participation in exhibitions, creative competitions, charity programs, etc.).

The Evidence

The Department of "Fundamental Sciences and the Oil and Gas Industry" provides the implementation of the EP.

The staff of the department includes 40 people, including 11 doctors of science (9.52%), 15 candidates of science (47.62%) and 5 PhD (28.57%). On average, the rate of development is 77.5%. The degree of attainment of the TEACHING STAFF of the accredited EPs is 65%.

The management of the EP demonstrates the application of the HR policy of the HEI for the Teaching staff involved in the implementation of the EP. Personnel selection is carried out on the basis of the analysis of the needs of the educational program, which results in the announcement of a competition for filling vacancies. The competition for the filling of vacant posts of teaching staff and researchers at the university is conducted in accordance with the current legislation.

The main provisions of the University's personnel policy are compliance with standard qualification characteristics for employees of educational institutions, approved by the order of the Ministry of Education and Science; availability of higher and postgraduate education in relevant specialties, productive scientific activity, as well as competence and competitiveness. Indicators on the qualitative and quantitative composition of Teaching staff confirm the availability of the human resources necessary for the implementation of the entire spectrum of educational programs and corresponding to the qualification requirements for licensing educational activities.

The Personnel Department is engaged in selection of personnel, registration of their reception, transfer and dismissal, preparation of documents for approval in the positions of employees. The document circulation associated with the TEACHING STAFF (personal files, workbooks, orders, regulations, etc.) is systematically updated as necessary.

Assessment of the competence of teachers in the CAU to determine the suitability of the position is carried out by passing staff members competitive selection of faculty positions and attestation, according to the requirements of the competitive commission developed by the University - Regulations on competitive substitution of TEACHING STAFF and MES RK - Regulations for the certification of Teaching staff "developed based on the requirements of regulatory and legislative acts of the Republic of Kazakhstan.

Confirmation of the level of competence of teachers is the effectiveness and quality of teaching, assessed at the university by conducting Open training sessions, mutual visits of classes, as well as conducting a questionnaire "Teacher with the eyes of a student." The results of these activities are the basis for the extension of labor contracts for TEACHING STAFF, promotion.

The management of the EP demonstrates the awareness of responsibility for their employees and the provision of favorable working conditions for them and the changing role of the teacher in connection with the transition to student-centered learning.

As part of the teaching staff there are experienced teachers who have certain achievements in the field of science and education, practical experience in production.

In the framework of accredited specialties, the employees responsible for graduation are:

- Rector of the University, professor M. Aliev: concludes contracts, planning and implementation of measures to introduce innovative educational technologies, approves the structure of the university; the staff schedule of the teaching staff and teaching staff, administrative and other services of the University, and others;

- acting Dean of the Faculty of Innovative Technologies and Technology, Master Kalimbetov GP: Coordinates the activities of the faculty for scientific, educational, methodological and educational work. Carries out together with the heads of departments the selection of personnel of the teaching, scientific and teaching and support staff;

- Head of the of Finance, Oil and Gas industry Department, Doctor of Technical Sciences, Professor Baynatov Zh.B .: Develops intrachair quality system of specialists training, organizes research work at the department, examines the thesis submitted for protection by the department staff or competitors on behalf of the faculty, monitors the quality and implementation of individual plans of the teachers of the department and other types of work of employees, controls the performance of the department's staff safety and safety regulations, sanitation and fire safety;

Within the priority areas of the department's research work, grant and initiative scientific research is carried out (with registration in the JSC "NCSTE"), a commercialized research project:

Table – Research work performed by the Department of "Finance, Oil and Gas industry " on commercialized and initiative topics within the framework of scientific schools

1. For grant financing of the Ministry of Education and Science of the Republic of Kazakhstan (2015-2017)

Name of scientific research work	Project Manager	Contract time	The number, date of the contract and the enterprise that entered into the contract	Discipline (within the framework of the EP)
Organization of production of machines for resource-saving technologies for tillage and fodder preparation	Nadyrov M.K..	2017-2020	JSC Science Foundation, №428, 11/01/2017	5B060800 Ecology
"The influence of earth faults on the strength characteristics of buildings and structures"	Baynatov Zh.B doctor of technical sciences, professor	2013-2015	reg No. 0117RKI 0021	OP. Building -
"Research and determination of the main factors affecting the energy intensity of domestic production" reg. national centre of STI RK	Stolpovskikh I.-n., professor	2016–2018	№0117RKI 0018	OP. Heat power engineering –
"Influence of vehicles on pollution of the environment"	Myrzakhmetov B.A., Associate Professor	2016–2018	№0117RKI 0023	OP. Ecology -
"Investigation of geological structure, oil and gas prospects and the project of oil and gas deposits exploration"	Dzheksenbaev E.K.-Ph.D., Associate Professor	2016–2018	№0117RKI 0024	OP. Oil and gas business

The TEACHING STAFF questionnaire, conducted during the visit of the NAEC EEC, showed that:

- the university provides Opportunities for TEACHING STAFF in using innovations in training - very good and good - 100%;
- TEACHING STAFF satisfies the content of the educational program - very good and good - 100%;
- 97.2% of the teaching staff highly appreciate the support of the university and its leadership in the research initiatives of the teaching staff;
- the level of feedback of Teaching staff with management meets by 97.9%;
- 91.4% of the teaching staff are satisfied with the organization of academic mobility, and the plan of work to upgrade the qualifications of the teaching staff;
- 95.7% of Teaching staff find it difficult to combine teaching with scientific research.

Analytical part

In the process of implementation of accredited construction works, "OIL AND GAS DEAL" - teachers with practical experience of work take part. However, the commission EEC notes the inadequacy of the number of Teaching staff in the field of specialization of accredited EPs conducting classes at the department.

The EP management monitors TEACHING STAFF activities, systematically assesses the competence of teachers, assesses the overall quality of teaching, including the assessment of the

satisfaction of teachers and students. A TEACHING STAFF survey is systematically conducted on the question of satisfaction. However, an analysis of the identified shortcomings and ways to resolve them was not presented.

The management of the EP does not ensure the completeness and adequacy of individual planning of the work of the TEACHING STAFF for all types of activities, monitoring the effectiveness and effectiveness of individual plans, demonstrating the evidence of the teachers performing all types of planned workload.

Teaching and methodical complexes have not been developed for all disciplines of the departments.

The level of professional competence of young specialists at the department is not fully observed.

The outward external academic mobility of the faculty is not revealed.

EEC recommendations

In order to implement the multilingualism program, the management of the EP shall strengthen the development, publication and acquisition of specialized literature for accredited EPs in English

1. Develop a program for attracting leading scientists of higher educational institutions of the Republic of Kazakhstan and the near abroad in the framework of academic mobility.
2. Increased participation of TEACHING STAFF in professional development programs.
3. To carry out active work on the implementation of the program of academic mobility of teaching staff.
4. By the beginning of the new 2018/19 academic year, develop a long-term plan to upgrade the qualifications of the faculty of "Fundamental Sciences and the Oil and Gas Industry" in the field of innovative teaching methods.
5. Develop a work plan for the accredited department for the next 3 years to improve the level of foreign language proficiency in the teaching staff of the department.
6. To work out the mechanisms for organizing seminars on topical issues of the disciplines of educational programs with the involvement of specialists from coEPorate partners.
7. Take measures to encourage young teachers to participate in academic mobility programs, conferences of all levels, competitions, research projects on the profile of the EP, the development of mentoring.

Conclusions of the EEC on the standard EP 5B072900 / 6M072900 - "Construction" have 9 - satisfactory positions, 3 - require improvement.

Conclusions of the EEC on the standard EP 5B060800 - Ecology, 5B070800 - Oil and gas business, 6M070800 - Oil and gas business, 5B071700 - Heat power engineering, 6M071700 - Heat power engineering have 4 - satisfactory positions, 8 - require improvement.

6.8. Standard "Educational resources and student support systems"

- The management of the EP should demonstrate the sufficiency of the material and technical resources and infrastructure.

- The EP management should demonstrate the existence of support procedures for different groups of learners, including information and counseling.

- The EP management should demonstrate the correspondence of information resources to the specifics of the EP, including compliance:

- Technological support of students and teaching staff in accordance with educational programs (for example, online training, modeling, databases, data analysis programs);

- 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;

- examination of the results of research, final works, dissertations on plagiarism;

- access to educational Internet resources;
- The functioning of WI-FI in the territory of the organization of education.
- The university should strive to ensure that the educational equipment and software used for the development of educational programs are similar to those used in the relevant sectors.
- The institution should ensure compliance with safety requirements in the learning process.
- The university should strive to take into account the needs of different groups of students in the context of the EP (adults, working, foreign students, as well as students with disabilities).

The Evidence

During the EEC work, the experts made sure that the university possesses the material, technical, information and library resources used to organize the process of training and educating students and implementing the mission, goals and tasks of the CAU.

An important factor in ensuring the quality of education and guaranteeing the sustainable development of the university is the continuous improvement of material and technical and human resources. The university created the conditions for teaching students, carrying out scientific research, publishing the results of research work, staff and students.

There is a system of support for students, a medical office, a food zone, a gym, a library, a hostel.

For the organization of the educational process, research work on the Department of "FINGI" department and the creation of proper conditions for the training of bachelors and postgraduate professional education (magistracy), the teaching staff uses the following resources:

Table - Specialized audiences and laboratories,
Used in the implementation of the department " Finance, Oil and Gas industry"

Name	Audience number	Area, sq. M
Physicist's cabinet	227	90
Laboratory of Radio Engineering, Electronics and Telecommunications	229	60
Laboratory of "Construction"	223	55
The Cabinet of Ecology and Biotechnology	228	60
Laboratory of "Heat power engineering"	226	64
Laboratory of Transport and Mechanical Engineering	229	90
Laboratory of Instrument-Making	230	60
Laboratory of Chemistry	224	65
Laboratory of "Oil and gas business"	13	90
Laboratory of "Computer Science and Software"	220,12	85/105
Laboratory of Information Systems	12,220	85/105
Laboratory of Mathematical and Computer Modeling	12,220	85/105

KazNII of mechanization and electrification of agriculture	Branch of the Department of "Fundamental Sciences and Oil and Gas Industry"	Workshops for the production of mounted and trailed equipment for agricultural machinery
KazNII of mechanization and electrification of agriculture	Branch of the Department of "Fundamental Sciences and Oil and Gas Industry"	Design department
Industrial base of "Central Asian	Branch of the Department of "Fundamental Sciences and	Plant for the production of concrete products and construction dry mixtures

holding" LLP	Oil and Gas Industry"	
--------------	-----------------------	--

For the last 3 academic years, materials and equipment have been purchased for the implementation of accredited EPs in the amount of KZT 8,527.1 million.

2015 - 5228.6 million tenge.

2016 - 1555.9 million tenge.

2017 - 1742.6 million tenge.

The material and technical and social base, which is in operational control of the Central Administrative Office, is located in Almaty, consists of 6 buildings with a total area of 27508m². per one student of the reduced contingent, the useful educational area is 11.4 square meters.

The CAU is a sufficient sports base, which consists of a set of various sports facilities of a closed and Open type. The university has 1 indoor sports hall, equipped with appropriate sports equipment, a total area of 700 square meters. At present, the university has a hostel, 250 beds.

For the organization of student meals in the university, there is a dining room "CAU" with a total area of 300 sq.m. for 250 seats, as well as a cafe "Skif" in the 3rd building for 60 seats, 1 buffet - a dining room for 50 seats.

For the organization of the educational process, research work on the Department of Fundamentals of the "Fundamental Sciences and the Oil and Gas Industry" and the creation of proper conditions in the areas of training bachelors and postgraduate professional education (magistracy), the teaching staff use:

- specialized streaming audiences, where interactive multimedia complexes are installed;
- Language laboratories (foreign languages, Kazakh);
- training computer classes for training using ICT, equipped with computers connected to the Internet;
- specialized offices (Informatics, chemistry, mathematics, research of undergraduates, methods of teaching introduction to the specialty);
- educational audiences where portable multimedia systems can be used, including a portable computer (laptop), a multimedia projector, a portable screen, video equipment;
- specialized laboratories (the center of physical and chemical research, botany and physiology of plants, etc.);
- experimental bases (UPC "Miras", agrobiostation, production laboratories of practice bases).

In CAU there are 5 computer classes, where 250 personal computers are located. In 60 - lecture audiences and computer classes interactive equipment is installed. There are 18 laboratories, specialized auditoriums, offices, workshops with a total area of 1752.3 m², equipped with all necessary equipment and measuring facilities for organizing and conducting laboratory and practical classes.

The university's territory is partially equipped with free WI-FI. In general, the university has the minimum training equipment and software required to organize the educational process. A unified system of library and information services has been created. The procurement of educational and methodological literature on the applications of the department is carried out in sufficient volume. Information support of the university meets the requirements of the program; the library contains certain materials necessary for teaching: educational, technical, reference and general literature, various periodicals.

Formation of the library fund of the University is made in accordance with the profile of training specialists. To provide administrative, educational and methodological tasks, the University created an information and educational portal <http://portal.cau.kz>.

Table - The list of electronic and methodological materials of the department "FINGI, presented in the electronic library

OP	Number				
	UMKD	RUP	Teaching	UMKD	Webinars and

			materials	Practice	other visual aids
5B060800 Ecology					
1-4 year	33 (29)	4 (4)	34 (28)	3 (3)	13
5B072900 Construction					
1-4 year	27 (25)	4 (4)	28 (28)	3 (3)	9
5B071700 Heat power engineering					
1-4 year	35 (29)	4 (4)	34 (28)	3 (3)	13

EEC comission notes the lack of materials in English.

Table - Information on the library resources of the university,
in the context of accredited EPs

№	Indicator name	Index
1	Number of seats in the library, including computer classes	120
2	The total number of copies of educational and methodological literature in the library of EP 5B060800 - "Ecology" - 7700 pcs., 5B070800 - "Oil and gas business" - 15300 pcs., 6M070800 - "Oil and gas business" - 4500 pcs., 5B072900 - "Construction" - 3750 pcs., 6M072900 - "Construction" - 5500 pcs., 5B071700 - "Heat-power engineering" -3500 pcs., 6M071700 - "Heat power engineering" -2500 pcs.	42750 pcs.
4	Funds allocated for the acquisition of periodicals	68031,64 tg
5	Total library fund, including literature on electronic media	33832 tg
<i>Book provision for 1 student of the reduced contingent:</i>		
6	OP 5B060800 - "Ecology"	180
7	5B072900 Construction	150
8	5B071700 Heat power engineering	145
9	5B070400 Oil and gas business	150
10	6M072900 Construction	150
11	6M071700 Heat power engineering	145
12	6M070400 Oil and gas business	150

Over the last 3 academic years, editions for the sale of 30,403 copies accredited by the EP were purchased for the amount of KZT 68031,64 thousand.

The acquisition of equipment for the educational and scientific process for the period 2018-2019 is planned: the total purchase amount for the amount of 13.5 million tenge

In college it is practicable to cERCK the master's theses for plagiarism. In the period 2014-2017 years. The plagiarism test was carried out on contractual terms with JSC NCNCP. Since January 2018, an agreement has been concluded with ZAO "Antiplagiat.ru" to verify written works (diploma and master's works, monographs, UP, scientific articles) via the Internet version of "Antiplagiat. HIGH SCHOOL.

Questioning of students, conducted during the visit of the NAEC EEC, showed that satisfaction:

- availability of library resources is 100%;
- the existing educational resources of the university - 97.4%;
- Availability and accessibility of computer classes and Internet resources - 98.4%.

Analytical part

As a result of a visual inspection by the EEC members of the facilities of the material base, we note that to ensure the educational process of accredited educational programs, the CAU has all the necessary educational and material assets. The buildings and facilities of the university correspond to the current sanitary standards and fire safety requirements.

At the same time, audiences that do not have TSOs predominate in the auditorial fund of the OT. Laboratories of technical profile are not equipped with the necessary educational devices and installations, if equipped, they are obsolete and not in sufficient quantity.

In the fund of educational, educational and methodical literature on accredited EP there is a morally outdated literature. In this regard, it is recommended that attention be paid to the continuous updating of the literature fund

There is no full information on the availability of support procedures for different groups of students, including information and counseling.

The list of licensed software used is not listed and is not tied to the content of the EP. All profiling disciplines of accredited FPs require appropriate technological support and an approximation to the practical Operating conditions.

The technical capabilities of laboratories for providing scientific research and performing graduate work, as well as adults, working, foreign students, students with disabilities are not indicated.

According to the results of the questionnaire, the availability of library resources was fully satisfied - 85.2%; educational rooms, audiences for large groups - 77.8%; offices for small groups - 75.6%; rest rooms for students - 48.1%; computer classes and Internet resources are fully satisfied -56.3% of trainees; available computer classes - 58.5%; scientific laboratories - 51.1%. Full satisfaction with the students providing the hostel is 64.4%.

EEC recommendations

1. To intensify the work on the organization of conditions for additional study of foreign languages by students and faculty of the University with the inclusion in the work plans of the department and university for 2018-2021.

2. Consider the possibility of teaching the discipline "Professionally Oriented English" in conjunction with the specialized language department.

3. Continue the work on the installation of ramps for disabled persons, directing markings and color indexes and signs for visually impaired students and employees in the buildings of the university.

4. Consider the possibility of transferring the university library to the first floor in order to provide access for students with disabilities.

5. To consider the possibility of transferring the medical institution of the university to the first floor in order to provide access for students with disabilities.

6. The management of accredited EPs to consider the possibility of introducing a dual training system for all accredited specialties.

7. Create conditions for providing an expanded range of services for students, including those on outsourcing terms.

8. Explore the possibility of acquiring educational laboratory equipment for all accredited EPs.

9. Expand the list of specialized audiences of accredited CPs

10. Ensure the full functioning of the "Lotus" system, download the IMCD, introduce electronic document management.

11. Consider the possibility of acquiring the necessary licensed software for accredited EPs.

12. For accredited educational programs to develop and begin implementation of the plan for introducing dual training for 2018-2021.

Conclusions of the EEC on the standard EP 5B072900 / 6M072900 - "Construction" have 5 - satisfactory positions, 4 - require improvement.

Conclusions of the EEC on the standard EP 5B060800 - Ecology, 5B070800 - Oil and gas business, 6M070800 - Oil and gas business, 5B071700 - Heat power engineering, 6M071700 - Heat power engineering have 5 - satisfactory positions, 4 - need improvement.

6.9. Standard "Public Awareness"

- Information published by the university within the framework of the EP should be accurate, objective, relevant and should include:

- Implemented programs, indicating expected learning outcomes;
- information on the possibility of assigning qualifications at the end of the EP;
- information on teaching, training, evaluation procedures;
- information on passing scores and educational Opportunities provided to students;
- information on employment Opportunities for graduates.

- The EP management should use a variety of ways to disseminate information, including the media, information networks to inform the general public and stakeholders.

- Public information should provide support and explanation of national development programs of the country and the system of higher and postgraduate education.

- The university should publish on its Web resource audited financial statements, including in the context of the EP.

- The university should demonstrate the reflection on the web resource of information that characterizes the university in general and in the context of educational programs.

- An important factor is the availability of adequate and objective information about the TEACHING STAFF of the EP, in the context of personalities.

- An important factor is informing the public about cooperation and interaction with partners within the framework of the EP, including with scientific / consulting organizations, business partners, social partners and educational organizations.

- The institution should place information and links to external resources based on the results of external evaluation procedures.

- An important factor is the participation of the university and implemented EP in various external evaluation procedures.

The evidence

Information on the activities of the CAU on the implementation of the EP is published on the university's website, local and national media, and social networks. The CAU website reflects general information about the university, goals and objectives, the history of the institution of higher education, licenses for educational activities, a list of specialties,

In CAU the following systems of information collection, analysis and management based on application of modern information and communication technologies and software are implemented:

Management of information within the official site of the university.

Management of educational and methodological information within AIS Lotus. The system provides the following Opportunities: management of the academic calendar, the formation of individual plans, the placement of the IMCD, the formation of examination sheets, the current testing of students in training sessions.

The reporting system includes annual reports of structural divisions, reports on SRW and SRWS, financial statements. The report of the rector on the activities of the university and on the tasks of the team for the forthcoming academic year is heard annually at the enlarged meeting of the Academic Council.

The system for collecting, analyzing and managing information CAU is used to ensure the quality of the implementation of the EP. For example, the formation of summary examination sheets, a list of debtors, an electronic archive of reports on the session are used to analyze the results of sessions and make decisions about improving the educational process, in mass media (newspapers, magazines, TV channels), PPS chairs update the information stands "Information" "Our Life", "TEACHING STAFF Chairs", publish printing banners and portable rolls (stands), make videos and create presentations, as well as update booklets for all educators programs by which spread across the territory of Kazakhstan in general education schools. The university is Open to the society, it establishes contacts with city authorities, collectives of educational institutions, industrial enterprises, public organizations, etc.

Analytical part

At the same time, the commission notes the lack of a systematic approach to the collection and analysis of internal and external documentation, the lack of electronic document management. The university weakly ensures the use of modern information and communication technologies for information management, as well as the timeliness and completeness of information for making decisions on improvement.

The university does not fully use the resources of the web space, on the site of the university from 55 undergraduate programs, only 25 do not have complete information on the content of the EP. The experts did not find the description of postgraduate education on the site. It is necessary to provide the public with information about the presence of the faculty at the University.

According to the results of the questionnaire, 41% of the students are fully satisfied with the usefulness of the website, in part - 53%.

Strengths: nothing

The commission recommends:

1. Raise public awareness of the results of the activities of the Central Asian University;
2. Place on the university's website information about the TEACHING STAFF in the context of personalities;
3. To place on the site information about the educational programs implemented at the university in terms of levels of study;
4. provide information on the university's website on the results of an external evaluation of the institution.

Conclusions of the EEC on the standard EP 5B072900 / 6M072900 - "Construction" have 8 - satisfactory positions, 5 - requiring improvement.

Conclusions of the EEC on the standard EP 5B060800 - Ecology, 5B070800 - Oil and gas business, 6M070800 - Oil and gas business, 5B071700 - Heat power engineering, 6M071700 - Heat power engineering have 8 - satisfactory positions, 5 - require improvement.

6.10. Standard "Standards in the context of individual specialties"

Natural Sciences, Engineering Sciences, and Technology

The Evidence

Teachers of the Department of "Fundamental Sciences and the Oil and Gas Industry" in the classroom use the teaching methods mainly at the ordinary level in the form of lectures with the use of interactive boards.

Professional practice is conducted in accordance with the standard curriculum, according to the academic calendar. The organization and conduct of the production practice at the department is carried out in accordance with the requirements of the Standard Rules for the Activities of the Higher and Postgraduate Education Organization of the Republic of Kazakhstan. The number of credits of professional practice corresponds to the specialty TUP.

Analytical part

The development of educational programs is not reflected on the site of the university.

Presented and confirmed by facts information about the types of practices and related aspects, identifies the basic skills acquired through training. Considered by the EP for the undergraduate program include various types of practice: educational, industrial and pre-graduate, for magistracy: pedagogical, research.

At the same time, the commission notes an insufficient number of full-time teachers who

have a long working experience as a staff member at enterprises in the field of specialization of the EP. To increase the role of practical orientation of the EP, it is recommended to increase the share of practical classes at the specialization enterprises, increase the number of workshops to solve practical problems relevant to enterprises in the field of specialization.

Based on the results of the analysis, the members of the EEC concluded that the following criteria are not met by this standard:

- Organization of excursions, conducting separate classes on disciplines at the enterprise of specialization (except for EP 5B072900 / 6M072900 - "Construction").

- The presence of full-time faculty members who have a long working experience as a staff member at enterprises in the field of specialization of the EP.

- Information is not provided on measures to strengthen practical training in the field of specialization of the EP and to ensure the training of students in the field of application of modern information technologies.

- In the course of the interview, it turned out that there are no internships of the faculty at the enterprise bases.

EEC recommendations

1 Strengthen the practice-orientedness of accredited educational programs taking into account the requirements of the labor market and the professional association of employers, including by increasing the time allocated for industrial practice on the basis of enterprises with the acquisition of related professions.

2 The EP management should consider the possibility of recruiting employees with long experience in the staff of the department.

Conclusions of the EEC on the standard EP 5B072900 / 6M072900 - "Construction" have 5 - satisfactory positions.

Conclusions of the EEC on the standard EP 5B060800 - Ecology, 5B070800 - Oil and gas business, 6M070800 - Oil and gas business, 5B071700 - Heat power engineering, 6M071700 - Heat power engineering have 1 - satisfactory positions, 4 - need improvement.

VII REVIEW OF STRONG SIDES / BEST PRACTICES

- The complexity of the EP is defined in Kazakhstan's credit and ECTS.

VIII REVIEW OF RECOMMENDATIONS FOR IMPROVING QUALITY

1. Consider the possibility of developing a single document reflecting the quality assurance policy (design of the EP, risk management, monitoring, improvement, decision-making on the basis of facts, etc.) and publishing it on accessible Internet resources of the university.
2. Create a dialogue platform on strategic planning of university activities and educational programs, including on the basis of the UMC of the Ministry of Education and Science of the Republic of Kazakhstan.
3. Conduct an analysis of the effectiveness of the existing system of teacher load planning.
4. Include in the work plan of the department the issue of developing joint educational programs with foreign educational organizations, with the inclusion of items:
 - the inclusion of disciplines that have a research direction in the QED of joint educational programs;
 - implementation of external academic mobility programs for students and teaching staff;
 - implementation of two-diploma education programs.
5. To improve the mechanisms of design, management, internal quality assessment, examination and monitoring of accredited EP taking into account risks.
6. To update the individuality and uniqueness of the accredited EP 2 cluster in connection with the implementation of the programs "Strategy Kazakhstan-2050", "30 most developed countries", "National Plan - 100 concrete steps", "Third modernization of Kazakhstan", "Industrialization program", " Digital Kazakhstan ".
7. Management of the university to develop a provision on risk management with a description of the mechanisms for determining these risks and ways to reduce them.
8. Activate the system of involving teachers, trainees and employers in the process of making strategic decisions through the establishment of committees.
9. Management of the university to introduce the practice of organizing courses on management of education and student-centered training for managers of the EP.
10. By the beginning of the new 2018/19 school year, draw up a plan and organize introductory courses for managers of the EP on planning the results of training, organizing the educational process for educational programs according to the CTO and implementing the basic principles of the Bologna process.
11. Management of the university to provide a mechanism for conducting internal audit of structural units to eliminate comments and implement recommendations of various types of external audit.
12. As the development of professional standards, ensure the development of new competency models of university graduates with the involvement of employers.
13. The leadership of the university to develop a structure for planning and taking account of the activities of structural units, coordinated with the strategic planning of the university.
14. Continue work on the annual update of educational programs of 2 clusters with discussion of proposals on collegiate management bodies with the involvement of interested persons with the publication of all the changes made on the site of the university.
15. Consider the possibility of creating a single coEPorate mail with personal addresses for all employees and students of the University.
16. To improve the system of key performance indicators based on indicative TEACHING STAFF plans to improve the effectiveness of personal and professional development of Teaching staff.
17. Ensure the transparency of the TEACHING STAFF motivation system through the formation of common criteria and its publication.

18. Ensure that the list and content of the academic disciplines and the results of training are in accordance with the level of study (bachelor's and master's degrees), eliminate inconsistencies in the list of disciplines in QED and MOS EP 5V071700 - "Heat Power Engineering".

19. The management of accredited EPs should consider the possibility of introducing a dual training system for all accredited specialties.

20. Create conditions for providing an extended range of services for students, including those on the basis of outsourcing.

21. Explore the possibility of acquiring educational laboratory equipment for all accredited EPs.

22. Expand the list of specialized audiences of accredited CPs

23. Ensure the full functioning of the Lotus system, download the IMCD, and introduce electronic document management.

24. Consider the possibility of acquiring the necessary licensed software for accredited EPs.

25. Strengthen the practice-orientedness of accredited educational programs taking into account the requirements of the labor market and the professional association of employers, including by increasing the time devoted to the production practice on the basis of enterprises with the acquisition of related professions.

26. The management of the EP to consider the possibility of recruiting employees with long experience in the staff of the department.

IX OVERVIEW OF THE RECOMMENDATION ON THE DEVELOPMENT OF THE ORGANIZATION OF EDUCATION

1. University's management to ensure regular updating of the University's information portal with the training of managers of responsible structural units to improve the system of information collection and processing. To increase the involvement of trainees, workers and TEACHING STAFF in the processes of collecting and analyzing information, as well as making decisions based on them.

2. Provide periodic external examinations of educational programs 5B060800 - "Ecology", 5B070800 - "Oil and gas business", 6M070800 - "Oil and gas business", 5B072900 - "Construction", 6M072900 - "Construction", 5B071700 - "Heat power engineering" and 6M071700 - " Heat power engineering ».

3. Provide for the possibility of parallel training with the assignment of a work profession and the implementation of two-diploma education programs.

4. To consider the possibility of developing joint educational programs 5B060800 - "Ecology", 5B070800 - "Oil and gas business", 6M070800 - "Oil and gas business", 5B072900 - "Construction", 6M072900 - "Construction", 5B071700 - "Heat power engineering" and 6M071700 - "Heat power engineering "With universities of near and far abroad. as well as universities of Kazakhstan.

5. To intensify the work on an annual 30% update of educational programs, with the publication of all the changes made on the university's website, involving all stakeholders and documented.

6. Ensure an increase in the number of students involved in research and development and creative work with participation in grant funding of the Ministry of Education and Science of the Republic of Kazakhstan, the World Bank, social projects, competitions of the First President of Kazakhstan Foundation, Erasmus + programs, Tempus, and various creative competitions.

7. Strengthen the work on international cooperation, attract international lecturers on an alternative basis as short-term modules on disciplines.

8. Introduce the practice of conducting training seminars for leaders of the EP and TEACHING STAFF on student-centered learning.

9. To organize work on the organization of conditions for additional study of foreign languages by students and teaching staff of the university with inclusion in the work plans of the department and university for 2018-2021.

10. By developing and introducing joint educational programs with higher education institutions in Kazakhstan, to increase the number of students pursuing internal academic mobility.

11. Strengthen work on attracting graduates of accredited PAs in the work of collegiate management bodies, including in the association of graduates.

12. By the beginning of the new 2018/19 academic year, the leadership of the EP will develop an improved model of the graduate and a plan for the development of vocational training, taking into account the specifics of the specialties of the two clusters.

13. During the academic year 2018/19 of the graduating department, to conclude contracts that are additionally available for the practical training of students of the EP, where students will be given all the Opportunities to obtain the necessary practical skills in their specialization.

14. In order to implement the multilingualism program, the management of the EP shall strengthen the development, publication and acquisition of specialized literature for accredited EPs in English

15. Develop a program for attracting the leading scientists of the universities of Kazakhstan and the near abroad in the framework of academic mobility.

16. Increased participation of TEACHING STAFF in continuing education programs.

17. To carry out active work on the implementation of the program of academic mobility of teaching staff.

18. By the beginning of the new 2018/19 school year, to develop a long-term plan for upgrading the qualifications of the faculty of "Fundamental Sciences and the Oil and Gas Industry" in the field of innovative teaching methods.

19. To develop the work plan of the accredited chair for the next 3 years to improve the level of foreign language proficiency in the teaching staff of the department.

20. To work out the mechanisms for organizing seminars on topical issues of the disciplines of educational programs with the involvement of specialists from coEPorate partners.

21. To take measures to stimulate young teachers to participate in academic mobility programs, conferences of all levels, competitions, research projects on the profile of the EP, development of mentoring.

22. To intensify the work on the organization of conditions for additional study of foreign languages by students and faculty of the University with the inclusion in the work plans of the department and university for 2018-2021.

23. Consider the possibility of teaching the discipline "Professionally Oriented English" in conjunction with the specialized language department.

24. Continue the work on the installation of ramps for the disabled, directing markings and color indexes and signs for visually impaired students and employees in the buildings of the university.

25. Consider the possibility of transferring the university library to the first floor in order to provide access for students with disabilities.

26. To consider the possibility of transferring the medical point of the university to the first floor in order to provide access for students with disabilities.

Appendix 1. Evaluation table "SPECIALIZED PROFILE PARAMETERS" (5B072900-Construction 6M072900-Construction)

№	№	Criteria for evaluation	Position of the organization of education			
			Strong	Satisfactory	Assumes improvement	Unsatisfactory
Standard "Management of the educational program"						
1	1.	The institution should have a published quality policy.		+		
2	2.	The quality assurance policy should reflect the relationship between research, teaching and learning.		+		
3	3.	The university should demonstrate the development of a culture of quality assurance, including in the context of the EP.		+		
4	4.	Commitment to quality assurance should apply to any activities performed by contractors and partners (outsourcing), including in the implementation of joint / two-degree education and academic mobility.			+	
5	5.	The management of the EP provides transparency in the development of an EP development plan based on an analysis of its functioning, the actual positioning of the institution and the focus of its activities on meeting the needs of the state, employers, stakeholders and trainees.		+		
6	6.	The management of the EP demonstrates the functioning of the mechanisms for the formation and regular revision of the EP development plan and monitoring of its implementation, assessing the achievement of the training objectives, meeting the needs of students, employers and society, and making decisions aimed at the continuous improvement of the EP.		+		
7	7.	The management of the EP should involve representatives of stakeholder groups, including employers, trainees and Teaching staff, in forming an EP development plan.		+		
8	8.	The management of the EP should demonstrate the individuality and uniqueness of the development plan for the EP, its coherence with national development priorities and the development strategy of the education organization.			+	
9	9.	The university should demonstrate a clear definition of those responsible for business processes within the framework of the EP, unambiguous distribution of the duties of personnel, delineation of the functions of collegial bodies.		+		
10	10.	The management should provide evidence of transparency in the management of the educational program.		+		
11	11.	The management should demonstrate the successful		+		

		functioning of the internal quality assurance system of the EP, including its design, management and monitoring, their improvement, decision-making on the basis of facts.				
12	12.	The management of the EP shall implement risk management.			+	
13	13.	The management of the EP should ensure the participation of representatives of interested persons (employers, teaching staff, students) in the collegial bodies of management of the educational program, as well as their representativeness in making decisions on the management of the educational program.			+	
14	14.	The university should demonstrate the management of innovation within the framework of the EP, including the analysis and implementation of innovative proposals.		+		
15	15.	The management of the EP should demonstrate evidence of Openness and accessibility for trainees, TEACHING STAFF, employers and other stakeholders.		+		
16	16.	The management of the EP must receive training in educational management programs.			+	
17	17.	The management of the EP should strive to ensure that the progress achieved since the last external quality assurance procedure is taken into account when preparing for the next procedure.			+	
Total by standard				11	6	
Standard "Information Management and Reporting"						
18	1.	The university should ensure the functioning of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software.			+	
19	2.	The EP management should demonstrate the systematic use of processed, adequate information to improve the internal quality assurance system.		+		
20	3.	Within the framework of the EP there should be a system of regular reporting, reflecting all levels of the structure, including an assessment of the effectiveness and effectiveness of the departments and departments, scientific research.			+	
21	4.	The university should establish periodicity, forms and methods for evaluating the management of the EP, the activities of collegial bodies and structural units, senior management, the implementation of scientific projects.			+	
22	5.	The university should demonstrate the definition of order and ensure the protection of information, including the identification of responsible persons for the reliability and timeliness of analyzing information and providing data.			+	
23	6.	An important factor is the involvement of trainees, workers and TEACHING STAFF in the processes of information gathering and analysis, as well as decision-making on their basis.		+		
24	7.	The management of the EP should demonstrate the existence of a mechanism of communication with trainees, employees		+		

		and other stakeholders, including the presence of conflict resolution mechanisms.				
25	8.	The institution should provide a measure of the degree of satisfaction of the needs of the teaching staff, staff and trainees within the EP and demonstrate evidence of addressing the deficiencies found.		+		
26	9.	The university should evaluate the effectiveness and effectiveness of activities, including in the context of the EP.			+	
		The 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 species;		+		
29	12.	level of academic achievement, student achievement and deduction;		+		
30	13.	satisfaction of students with the implementation of the EP and the quality of education in the university;		+		
31	14.	accessibility of educational resources and support systems for students;		+		
32	15.	employment and career growth of graduates.		+		
33	16.	Trainees, employees and TEACHING STAFF must confirm documentary consent to the processing of personal data.			+	
34	17.	The management of the EP should facilitate the provision of all the necessary information in the relevant fields of science.		+		
Total by standard				11	6	
Standard "Development and approval of educational programs"						
35	1.	The university should define and document the procedures for the development of the EP and their approval at the institutional level.		+		
36	2.	The management of the EP should ensure that the developed EP meets the set goals, including the expected learning outcomes.		+		
37	3.	The EP management should ensure that there are developed models of the graduate student who describe the results of training and personal qualities.		+		
38	4.	The management of the EP should demonstrate the conduct of external assessments of the EP.		+		
39	5.	The qualification obtained at the conclusion of the EP shall be clearly defined, clarified and consistent with a certain level of the NQF.		+		
40	6.	The management should determine the impact of disciplines and professional practices on the formation of learning		+		

		outcomes.				
41	7.	An important factor is the possibility of training students for professional certification.			+	
42	8.	The management of the EP should provide evidence of the participation of trainees, staff and other stakeholders in the development of the EP, ensuring their quality.			+	
43	9.	The complexity of EP should be clearly defined in Kazakhstan credits and ECTS.	+			
44	10.	The management should ensure that the contents of the academic disciplines and the results of the training are provided to the level of study (bachelor's, master's, doctoral).		+		
45	11.	In the structure of the EP, various activities corresponding to the learning outcomes should be envisaged.		+		
46	12.	An important factor is the existence of joint EP with foreign educational organizations.			+	
Total by standard			1	8	3	
Standard "Continuous monitoring and periodic evaluation of educational programs"						
47	1.	The institution should monitor and periodically evaluate the OD in order to achieve the goal and meet the needs of students and society. The results of these processes are aimed at the continuous improvement of the EP.		+		
		Monitoring and periodic evaluation of EP should consider:		+		
48	2.	the content of the programs in the light of the latest achievements of science in a specific discipline to ensure the relevance of the discipline being taught;		+		
49	3.	changes in the needs of society and the professional environment;		+		
50	4.	load, academic performance and graduation;		+		
51	5.	the effectiveness of evaluation procedures for students;		+		
52	6.	expectations, needs and satisfaction of students learning by the EP;		+		
53	7.	educational environment and support services and their compliance with the objectives of the EP.		+		
54	8.	The university and the management of the EP must provide evidence of the participation of trainees, employers and other stakeholders in the revision of the EP.			+	
55	9.	All interested persons should be informed of any planned or undertaken actions in relation to the EP. All changes made to the EP shall be published.			+	

56	10.	The EP management must ensure a review of the content and structure of the EP, taking into account changes in the labor market, the requirements of employers and the social demands of society.		+		
Total by standard				8	2	
Standard "Student-centered learning, teaching and assessment of progress"						
57	1.	The EP management should ensure respect and attention to different groups of learners and their needs, providing them with flexible learning paths.		+		
58	2.	The EP management should ensure the use of various forms and methods of teaching and learning.		+		
59	3.	An important factor is the availability of our own research in the field of methods of teaching the academic disciplines of the EP.		+		
60	4.	The EP management should demonstrate the availability of a feedback system on the use of different teaching methods and evaluation of learning outcomes.		+		
61	5.	The EP management should demonstrate support for the autonomy of trainees with simultaneous guidance and assistance from the teacher.		+		
62	6.	The management should demonstrate the existence of a procedure for responding to complaints from students.		+		
63	7.	The institution should ensure the consistency, transparency and objectivity of the evaluation mechanism for each training program, including an appeal.		+		
64	8.	The university should ensure that the procedures for assessing the learning outcomes of the students of the EP are consistent with the planned learning outcomes and program objectives. Criteria and methods of evaluation within the framework of the EP should be published in advance.		+		
65	9.	In the institution, the mechanisms for ensuring the learning outcomes of each graduate should be determined and the completeness of their formation ensured.			+	
66	10.	Evaluators should possess modern methods for evaluating learning outcomes and regularly improve their qualifications in this field.				
Total by standard				9	1	
Standard "Learners"						
67	1.	The university should demonstrate the policy of forming a contingent of students from admission to release and ensure the transparency of its procedures. Procedures regulating the life cycle of trainees (from admission to completion) should be identified, approved, published.		+		
68	2.	The management of the EP should demonstrate special adaptation and support programs for newly enrolled and foreign students.		+		
69	3.	The university should demonstrate the conformity of its actions to the Lisbon Recognition Convention.		+		
70	4.	The university should cooperate with other educational		+		

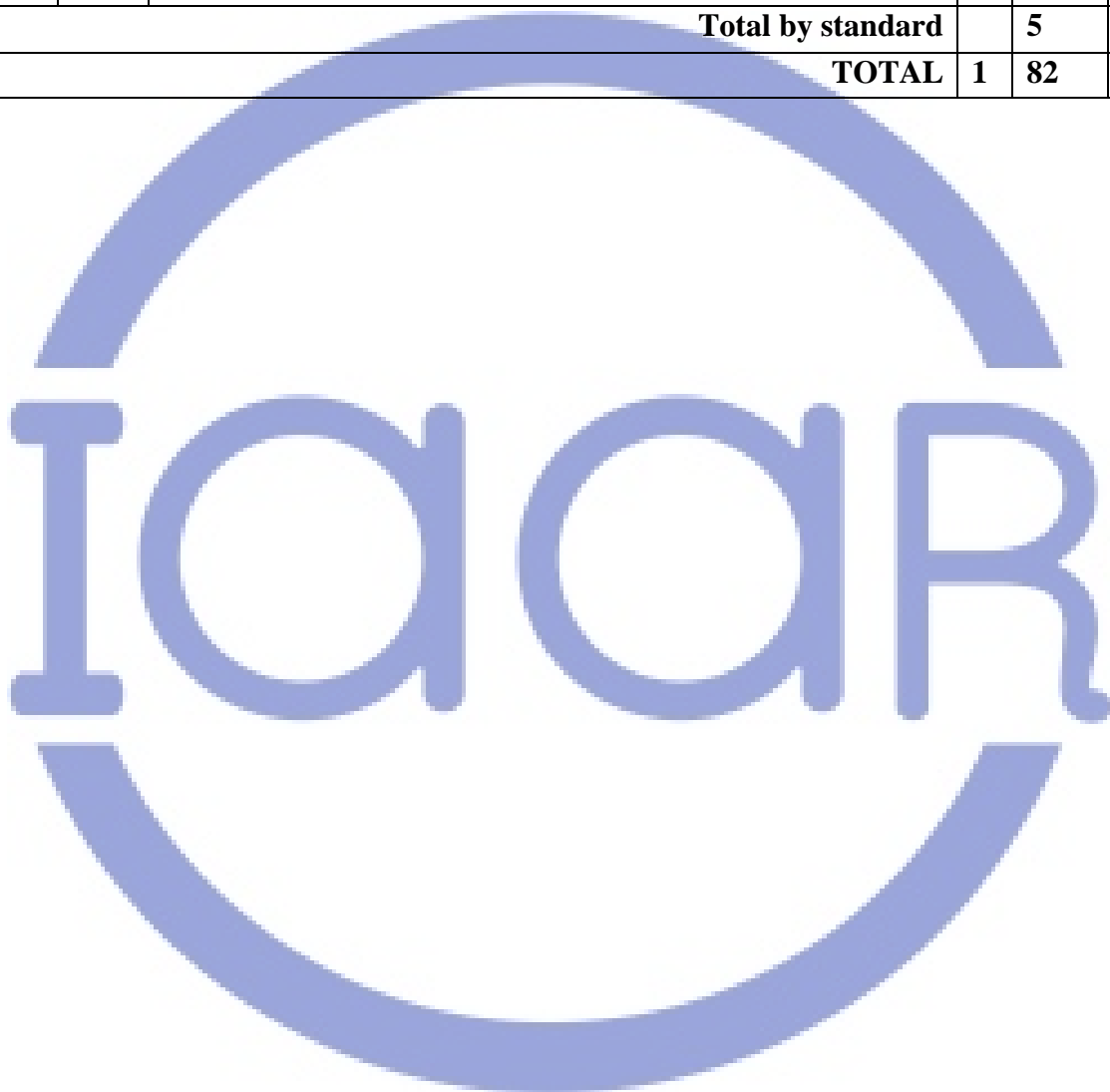
		organizations and national centers of the "European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers" ENIC / NARIC in order to ensure comparable recognition of qualifications.				
71	5.	The management should demonstrate the availability and application of a mechanism to recognize the results of academic mobility of students, as well as the results of additional, formal and informal training.			+	
72	6.	The university should provide an opportunity for external and internal mobility of trainees, and also assist them in obtaining external grants for training.			+	
73	7.	The management of the EP should make the maximum amount of efforts to provide practice-based practices, facilitate the employment of graduates, and maintain communication with them.		+		
74	8.	The institution should provide the graduates with documents confirming the received qualification, including the results of the training achieved, as well as the context, content and status of the education received and evidence of its completion.		+		
75	9.	An important factor is the monitoring of the employment and professional activities of the graduates of the EP.			+	
76	10.	The EP leadership should actively encourage students to self-education and development outside the main program (extracurricular activities).		+		
77	11.	An important factor is the existence of an active association / association of graduates.			+	
78	12.	An important factor is the availability of a support mechanism for gifted students.		+		
Total by standard				8	4	
Standard "Teaching staff"						
79	1.	The university should have an objective and transparent personnel policy, which includes hiring, professional growth and development of personnel, which ensures the professional competence of the whole state.		+		
80	2.	The university should demonstrate the conformity of the personnel potential of the TEACHING STAFF with the development strategy of the university and the specifics of the EP.			+	
81	3.	The management of the EP should demonstrate awareness of responsibility for its employees and providing them with favorable working conditions.		+		
82	4.	The management of the EP should demonstrate the changing role of the teacher in connection with the transition to student-centered learning.		+		
83	5.	The university should determine the contribution of the PPS of the EP to the implementation of the development strategy of the university, and other strategic documents.		+		

84	6.	The university should provide Opportunities for career development and professional development of the PPS EP.		+		
85	7.	The management of the EP should involve practitioners in the relevant sectors in the teaching.		+		
86	8.	The management of the EP should provide targeted actions for the development of young teachers.		+		
87	9.	The university should demonstrate the motivation for the professional and personal development of the teachers of the EP, including the promotion of both the integration of research and education, and the use of innovative teaching methods.		+		
88	10.	An important factor is the active use of TEACHING STAFF information and communication technologies in the educational process (for example, on-line training, e-portfolio, MEP, etc.).			+	
89	11.	An important factor is the development of academic mobility within the framework of the EP, attracting the best foreign and domestic teachers.			+	
90	12.	An important factor is the involvement of the TEACHING STAFF of the EP in the life of society (the role of teaching staff in the education system, the development of science, the region, the creation of a cultural environment, participation in exhibitions, creative competitions, charity programs, etc.).		+		
Total by standard				9	3	
Standard "Educational resources and student support systems"						
91	1.	The management of the EP should demonstrate the sufficiency of the material and technical resources and infrastructure.			+	
92	2.	The EP management should demonstrate the existence of support procedures for different groups of learners, including information and counseling.		+		
		The management of the EP should demonstrate the correspondence of information resources to the specifics of the EP, including compliance:				
93	3.	technological support of students and teaching staff in accordance 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 educational, basic and profiling disciplines on paper and		+		

		electronic media, periodicals, access to scientific databases;				
95	5.	examination of the results of research, final works, dissertations on plagiarism;			+	
96	6.	functioning WI-FI in the territory of the organization of education.		+		
97	7.	The university should strive to ensure that the training equipment and software used to develop the EP are similar to those used in the relevant industries.			+	
98	8.	The institution must ensure that it meets safety requirements in the learning process.			+	
99	9.	The university should strive to take into account the needs of different groups of students in the context of the EP (adults, working, foreign students, as well as students with disabilities).		+		
Total by standard				5	4	
Standard "Public Awareness"						
		The information published by the university within the framework of the EP should be accurate, objective, relevant and should include:				
100	1.	Implemented programs, indicating the expected learning outcomes;		+		
101	2.	information on the possibility of assigning qualifications at the end of the EP;		+		
102	3.	information on teaching, training, evaluation procedures;		+		
103	4.	information on passing scores and educational Opportunities provided to students;		+		
104	5.	information on job Opportunities for graduates.		+		
105	6.	The management should use a variety of ways to disseminate information (including media, web resources, information networks etc.) to inform the general public and interested parties.		+		
106	7.	Informing the public should provide support and explanation of national development programs of the country and the system of higher and postgraduate education.		+		
107	8.	The university should publish audited financial statements			+	

		on its own web resource.				
108	9.	The university should demonstrate the reflection on the web resource of information characterizing the university in general and in the context of the EP.		+		
109	10.	An important factor is the availability of adequate and objective information about the TEACHING STAFF EP, in the context of personalities.			+	
110	11.	An important factor is informing the public about cooperation and interaction with partners within the framework of the EP, including with scientific / consulting organizations, business partners, social partners and educational organizations.			+	
111	12.	The university should post information and links to external resources based on the results of external evaluation procedures.			+	
112	13.	An important factor is the participation of the university and implemented EP in various external evaluation procedures.			+	
Total by standard				8	5	
Standards in the context of individual specialties						
TECHNICAL SCIENCES AND TECHNOLOGIES						
		<i>Educational programs in the areas of "Engineering science and technology", such as "Construction", etc., must meet the following requirements:</i>				
113	1.	In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire skills on the basis of theoretical training, the education program should include disciplines and activities aimed at obtaining practical experience and skills in the specialty in general and in the relevant disciplines in particular, in t .ch: - excursions to enterprises in the field of specialization (factories, workshops, research institutes, laboratories, training facilities, etc.), - holding separate classes or whole disciplines at the enterprise of specialization, - Conducting seminars to solve practical problems relevant to enterprises in the field of specialization, etc.		+		
114	2.	Teaching staff involved in the education program should include full-time teachers who have a long-term experience of working as a staff member at enterprises in the field of specialization of the education program.		+		
115	3.	The content of all disciplines should be based in one way or		+		

		another and include a clear relationship with the content of the fundamental natural sciences, such as mathematics, chemistry, physics.				
116	4.	The EP management should provide measures to strengthen practical training in the field of specialization.		+		
117	5.	The management of the EP should ensure the training of students in the field of application of modern information technologies.		+		
Total by standard				5		
TOTAL			1	82	34	



**Appendix 2. The evaluation table "SPECIFICATION PROFILE PARAMETERS"
(5B060800 - Ecology, 5B070800 - Oil and gas business, 6M070800 - Oil and gas
business, 5B071700 - Heat power engineering, 6M071700 - Heat power engineering)**

№	№	Criteria for evaluation	Position of the organization of education			
			Strong	Satisfactory	Assumes improvement	Unsatisfactory
Standard "Management of the educational program"						
1	18.	The institution should have a published quality policy.		+		
2	19.	The quality assurance policy should reflect the relationship between research, teaching and learning.		+		
3	20.	The university should demonstrate the development of a culture of quality assurance, including in the context of the EP.		+		
4	21.	Commitment to quality assurance should apply to any activities performed by contractors and partners (outsourcing), including in the implementation of joint / two-degree education and academic mobility.			+	
5	22.	The management of the EP provides transparency in the development of an EP development plan based on an analysis of its functioning, the actual positioning of the institution and the focus of its activities on meeting the needs of the state, employers, stakeholders and trainees.		+		
6	23.	The management of the EP demonstrates the functioning of the mechanisms for the formation and regular revision of the EP development plan and monitoring of its implementation, assessing the achievement of the training objectives, meeting the needs of students, employers and society, and making decisions aimed at the continuous improvement of the EP.			+	
7	24.	The management of the EP should involve representatives of stakeholder groups, including employers, trainees and Teaching staff, in forming an EP development plan.			+	
8	25.	The management of the EP should demonstrate the individuality and uniqueness of the development plan for the EP, its coherence with national development priorities and the development strategy of the education organization.			+	

9	26.	The university should demonstrate a clear definition of those responsible for business processes within the framework of the EP, unambiguous distribution of the duties of personnel, delineation of the functions of collegial bodies.		+		
10	27.	The management should provide evidence of transparency in the management of the educational program.		+		
11	28.	The management should demonstrate the successful functioning of the internal quality assurance system of the EP, including its design, management and monitoring, their improvement, decision-making on the basis of facts.		+		
12	29.	The management of the EP shall implement risk management.			+	
13	30.	The management of the EP should ensure the participation of representatives of interested persons (employers, teaching staff, students) in the collegial bodies of management of the educational program, as well as their representativeness in making decisions on the management of the educational program.			+	
14	31.	The university should demonstrate the management of innovation within the framework of the EP, including the analysis and implementation of innovative proposals.		+		
15	32.	The management of the EP should demonstrate evidence of Openness and accessibility for trainees, TEACHING STAFF, employers and other stakeholders.		+		
16	33.	The management of the EP must receive training in educational management programs.			+	
17	34.	The management of the EP should strive to ensure that the progress achieved since the last external quality assurance procedure is taken into account when preparing for the next procedure.			+	
Total by standard				9	8	
Standard "Information Management and Reporting"						
18	18.	The university should ensure the functioning of a system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software.			+	
19	19.	The EP management should demonstrate the systematic use of processed, adequate information to improve the internal		+		

		quality assurance system.				
20	20.	Within the framework of the EP there should be a system of regular reporting, reflecting all levels of the structure, including an assessment of the effectiveness and effectiveness of the departments and departments, scientific research.			+	
21	21.	The university should establish periodicity, forms and methods for evaluating the management of the EP, the activities of collegial bodies and structural units, senior management, the implementation of scientific projects.			+	
22	22.	The university should demonstrate the definition of order and ensure the protection of information, including the identification of responsible persons for the reliability and timeliness of analyzing information and providing data.			+	
23	23.	An important factor is the involvement of trainees, workers and TEACHING STAFF in the processes of information gathering and analysis, as well as decision-making on their basis.		+		
24	24.	The management of the EP should demonstrate the existence of a mechanism of communication with trainees, employees and other stakeholders, including the presence of conflict resolution mechanisms.		+		
25	25.	The institution should provide a measure of the degree of satisfaction of the needs of the teaching staff, staff and trainees within the EP and demonstrate evidence of addressing the deficiencies found.		+		
26	26.	The university should evaluate the effectiveness and effectiveness of activities, including in the context of the EP.			+	
		The information collected and analyzed by the university should take into account:				
27	27.	key performance indicators;		+		
28	28.	dynamics of the contingent of students in the context of forms and species;		+		
29	29.	level of academic achievement, student achievement and deduction;		+		
30	30.	satisfaction of students with the implementation of the EP and the quality of education in the university;		+		

31	31.	accessibility of educational resources and support systems for students;		+		
32	32.	employment and career growth of graduates.		+		
33	33.	Trainees, employees and TEACHING STAFF must confirm documentary consent to the processing of personal data.			+	
34	34.	The management of the EP should facilitate the provision of all the necessary information in the relevant fields of science.		+		
Total by standard				11	6	
Standard "Development and approval of educational programs"						
35	13.	The university should define and document the procedures for the development of the EP and their approval at the institutional level.		+		
36	14.	The management of the EP should ensure that the developed EP meets the set goals, including the expected learning outcomes.			+	
37	15.	The EP management should ensure that there are developed models of the graduate student who describe the results of training and personal qualities.		+		
38	16.	The management of the EP should demonstrate the conduct of external assessments of the EP.			+	
39	17.	The qualification obtained at the conclusion of the EP shall be clearly defined, clarified and consistent with a certain level of the NQF.		+		
40	18.	The management should determine the impact of disciplines and professional practices on the formation of learning outcomes.		+		
41	19.	An important factor is the possibility of training students for professional certification.			+	
42	20.	The management of the EP should provide evidence of the participation of trainees, staff and other stakeholders in the development of the EP, ensuring their quality.			+	
43	21.	The complexity of EP should be clearly defined in Kazakhstan credits and ECTS.	+			
44	22.	The management should ensure that the contents of the academic disciplines and the results of the training are		+		

		provided to the level of study (bachelor's, master's, doctoral).				
45	23.	In the structure of the EP, various activities corresponding to the learning outcomes should be envisaged.		+		
46	24.	An important factor is the existence of joint EP with foreign educational organizations.			+	
Total by standard			1	6	5	
Standard "Continuous monitoring and periodic evaluation of educational programs"						
47	11.	The institution should monitor and periodically evaluate the OD in order to achieve the goal and meet the needs of students and society. The results of these processes are aimed at the continuous improvement of the EP.		+		
		Monitoring and periodic evaluation of EP should consider:				
48	12.	the content of the programs in the light of the latest achievements of science in a specific discipline to ensure the relevance of the discipline being taught;		+		
49	13.	changes in the needs of society and the professional environment;			+	
50	14.	load, academic performance and graduation;			+	
51	15.	the effectiveness of evaluation procedures for students;		+		
52	16.	expectations, needs and satisfaction of students learning by the EP;		+		
53	17.	educational environment and support services and their compliance with the objectives of the EP.		+		
54	18.	The university and the management of the EP must provide evidence of the participation of trainees, employers and other stakeholders in the revision of the EP.			+	
55	19.	All interested persons should be informed of any planned or undertaken actions in relation to the EP. All changes made to the EP shall be published.			+	
56	20.	The management of the EP should ensure that the content and structure of the EP are reviewed, taking into account changes in the labor market, the requirements of employers and the social demand of the society.			+	
Total by standard				5	5	

Standard "Student-centered learning, teaching and assessment of progress"						
57	11.	The EP management should ensure respect and attention to different groups of learners and their needs, providing them with flexible learning paths.		+		
58	12.	The EP management should ensure the use of various forms and methods of teaching and learning.		+		
59	13.	An important factor is the availability of our own research in the field of methods of teaching the academic disciplines of the EP.		+		
60	14.	The EP management should demonstrate the availability of a feedback system on the use of different teaching methods and evaluation of learning outcomes.		+		
61	15.	The EP management should demonstrate support for the autonomy of trainees with simultaneous guidance and assistance from the teacher.		+		
62	16.	The management should demonstrate the existence of a procedure for responding to complaints from students.		+		
63	17.	The institution should ensure the consistency, transparency and objectivity of the evaluation mechanism for each training program, including an appeal.		+		
64	18.	The university should ensure that the procedures for assessing the learning outcomes of the students of the EP are consistent with the planned learning outcomes and program objectives. Criteria and methods of evaluation within the framework of the EP should be published in advance.		+		
65	19.	The management should demonstrate the existence of a procedure for responding to complaints from students.		+		
66	20.	The institution should ensure the consistency, transparency and objectivity of the evaluation mechanism for each training program, including an appeal.			+	
Total by standard				9	1	
Standard "Learners"						
67	13.	The university should demonstrate the policy of forming a contingent of students from admission to release and ensure the transparency of its procedures. Procedures regulating the life cycle of trainees (from admission to completion) should be identified, approved, published.		+		

68	14.	The management of the EP should demonstrate special adaptation and support programs for newly enrolled and foreign students.		+		
69	15.	The university should demonstrate the conformity of its actions to the Lisbon Recognition Convention.		+		
70	16.	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	17.	The management should demonstrate the availability and application of a mechanism to recognize the results of academic mobility of students, as well as the results of additional, formal and informal training.			+	
72	18.	The university should provide an EPportunity for external and internal mobility of trainees, and also assist them in obtaining external grants for training.			+	
73	19.	The management of the EP should make the maximum amount of efforts to provide practice-based practices, facilitate the employment of graduates, and maintain communication with them.			+	
74	20.	The institution should provide the graduates with documents confirming the received qualification, including the results of the training achieved, as well as the context, content and status of the education received and evidence of its completion.		+		
75	21.	An important factor is the monitoring of the employment and professional activities of the graduates of the EP.			+	
76	22.	The EP leadership should actively encourage students to self-education and development outside the main program (extracurricular activities).		+		
77	23.	An important factor is the existence of an active association / association of graduates.			+	
78	24.	An important factor is the availability of a support mechanism for gifted students.		+		
Total by standard				7	5	
Standard "Teaching staff"						
79	13.	The university should have an objective and transparent		+		

		personnel policy, which includes hiring, professional growth and development of personnel, which ensures the professional competence of the whole state.				
80	14.	The university should demonstrate the conformity of the personnel potential of the TEACHING STAFF with the development strategy of the university and the specifics of the EP.			+	
81	15.	The management of the EP should demonstrate awareness of responsibility for its employees and providing them with favorable working conditions.		+		
82	16.	The management of the EP should demonstrate the changing role of the teacher in connection with the transition to student-centered learning.			+	
83	17.	The university should determine the contribution of the PPS of the EP to the implementation of the development strategy of the university, and other strategic documents.			+	
84	18.	The university should provide Opportunities for career development and professional development of the PPS EP.		+		
85	19.	The management of the EP should involve practitioners in the relevant sectors in the teaching.			+	
86	20.	The management of the EP should provide targeted actions for the development of young teachers.			+	
87	21.	The university should demonstrate the motivation for the professional and personal development of the teachers of the EP, including the promotion of both the integration of research and education, and the use of innovative teaching methods.		+		
88	22.	An important factor is the active use of TEACHING STAFF information and communication technologies in the educational process (for example, on-line training, e-portfolio, MEP, etc.).			+	
89	23.	An important factor is the development of academic mobility within the framework of the EP, attracting the best foreign and domestic teachers.			+	
90	24.	An important factor is the involvement of the TEACHING STAFF of the EP in the life of society (the role of teaching staff in the education system, the development of science, the region, the creation of a cultural environment,			+	

		participation in exhibitions, creative competitions, charity programs, etc.).				
Total by standard			4	8		
Standard "Educational resources and student support systems"						
91	1.	The management of the EP should demonstrate the sufficiency of the material and technical resources and infrastructure.			+	
92	2.	The EP management should demonstrate the existence of support procedures for different groups of learners, including information and counseling.		+		
		The management of the EP should demonstrate the correspondence of information resources to the specifics of the EP, including compliance:				
93	3.	technological support of students and teaching staff in accordance 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 educational, basic and profiling disciplines on paper and electronic media, periodicals, access to scientific databases;		+		
95	5.	examination of the results of research, final works, dissertations on plagiarism;			+	
96	6.	functioning WI-FI in the territory of the organization of education.		+		
97	7.	The university should strive to ensure that the training equipment and software used to develop the EP are similar to those used in the relevant industries.			+	
98	8.	The institution must ensure that it meets safety requirements in the learning process.			+	
99	9.	The university should strive to take into account the needs of different groups of students in the context of the EP (adults, working, foreign students, as well as students with disabilities).		+		
Total by standard			5	4		
Standard "Public Awareness"						
		The information published by the university within the framework of the EP should be accurate, objective, relevant				

		and should include:				
100	1.	Implemented programs, indicating the expected learning outcomes;		+		
101	2.	information on the possibility of assigning qualifications at the end of the EP;		+		
102	3.	information on teaching, training, evaluation procedures;		+		
103	4.	information on passing scores and educational Opportunities provided to students;		+		
104	5.	information on job Opportunities for graduates.		+		
105	6.	The management should use a variety of ways to disseminate information (including media, web resources, information networks etc.) to inform the general public and interested parties.		+		
106	7.	Informing the public should provide support and explanation of national development programs of the country and the system of higher and postgraduate education.		+		
107	8.	The university should publish audited financial statements on its own web resource.			+	
108	9.	The university should demonstrate the reflection on the web resource of information characterizing the university in general and in the context of the EP.			+	
109	10.	An important factor is the availability of adequate and objective information about the TEACHING STAFF EP, in the context of personalities.			+	
110	11.	An important factor is informing the public about cooperation and interaction with partners within the framework of the EP, including with scientific / consulting organizations, business partners, social partners and educational organizations.		+		
111	12.	The university should post information and links to external resources based on the results of external evaluation procedures.			+	
112	13.	An important factor is the participation of the university and implemented EP in various external evaluation procedures.			+	
Total by standard				8	5	
Standards in the context of individual specialties						

TECHNICAL SCIENCES AND TECHNOLOGIES					
		<i>Educational programs in the areas of "Engineering sciences and technologies", such as "Oil and gas business", "Ecology", "Heat power engineering", etc., should meet the following requirements:</i>			
113	1.	In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire skills on the basis of theoretical training, the education program should include disciplines and activities aimed at obtaining practical experience and skills in the specialty in general and in the relevant disciplines in particular, in t.ch: - excursions to enterprises in the field of specialization (factories, workshops, research institutes, laboratories, training facilities, etc.), - holding separate classes or whole disciplines at the enterprise of specialization, - Conducting seminars to solve practical problems relevant to enterprises in the field of specialization, etc..			+
114	2.	Teaching staff involved in the education program should include full-time teachers who have a long-term experience of working as a staff member at enterprises in the field of specialization of the education program.			+
115	3.	The content of all disciplines should be based in one way or another and include a clear relationship with the content of the fundamental natural sciences, such as mathematics, chemistry, physics.		+	
116	4.	The EP management should provide measures to strengthen practical training in the field of specialization.			+
117	5.	The management of the EP should ensure the training of students in the field of application of modern information technologies.			+
Total by standard				1	4
TOTAL			1	65	51