



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТИҢ  
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО  
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR  
ACCREDITATION AND RATING

# REPORT

**on the results of the work of the external expert evaluation committee  
in accordance with the requirements of the standards of specialized accreditation of  
educational programs**

**5B080600 / 6M080600- AGRICULTURAL MACHINERY AND TECHNOLOGY**

**5B080100 / 6M080100- AGRONOMY**

**5B080800 / 6M080800- SOIL SCIENCE AND AGRICULTURAL CHEMISTRY**

**KOKSHETAU STATE UNIVERSITY NAMED AFTER S. UALIKHANOVA**

INDEPENDENT AGENCY ACCREDITATION RATING  
*External Expert Commission*

*Addressed to  
Accreditation  
Council*



Независимое агентство  
аккредитации и рейтинга

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**Kokshetau**

**May 30, 2019**

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## (I) LIST OF DESIGNATIONS AND ABBREVIATIONS

RK - the Republic of Kazakhstan;  
MES RK - Ministry of Education and Science of the Republic of Kazakhstan;  
AC - Accreditation Council;  
VA - undergraduate;  
MA - magistracy;  
PhD - doctoral studies;  
University - a higher educational institution;  
VEK - external expert commission;  
GOSO - state compulsory education standards;  
GPRO - state education development program;  
KSU-Kokshetau State University;  
IAAR - Independent Agency for Accreditation and Rating;  
NLA - regulatory legal acts;  
NQF - national qualifications framework;  
NSC - national qualifications system;  
NIR - research work;  
NIRS - student research work;  
NIRM - research work of a graduate student;  
OP - educational program;  
Faculty - faculty;  
OO - educational organization;  
OOD - general educational disciplines;  
DB - basic disciplines;  
PD - majors;  
SRO - independent work of students;  
SROP - independent work of students under the guidance of a teacher;  
SRSM - independent work of undergraduates under the guidance of a teacher;  
VOUD - an external assessment of educational achievements;  
IGA - final state control;  
AIC - agro-industrial complex;  
NII - research institute;  
FOP - Faculty of Public Professions;  
Mass media - to mass media;  
AO - joint stock company;  
TUP - standard curriculum;  
UVP - training support staff;  
UMK - educational-methodical complex;  
UMKD - educational-methodical complex of discipline;  
Ministry of Agriculture of the Republic of Kazakhstan - Ministry of Agriculture of the Republic of Kazakhstan;  
RUE - work plan;  
QED - catalog of elective disciplines;  
IUP - an individual curriculum;  
UMKS - educational-methodical complex of a specialty;  
UMS - educational-methodical council;  
MOS - a modular educational program;  
UP - curriculum;  
RK - frontier control;  
BRS - point-rating system;  
IR - final control;

TK - current control;  
IT - information technologies;  
IP - information systems;  
AIS - automated information system;  
IT - information technology;  
LLP - a limited liability partnership;  
NK - national company;  
ECTS - European Credit Transfer System;  
UNT - unified national testing;  
KTA - comprehensive testing of applicants.



## (II) INTRODUCTION

In accordance with the order No. 63-19-OD of 05/03/2019 2019 of the Independent Agency for Accreditation and Rating from May 28 to 30, 2019 at Kokshetau State University named after S. Ualikhanova (Kokshetau), an external expert commission assessed the conformity of the university with the requirements of the standards of specialized accreditation of the IAAR (dated February 24, 2017 No. 10-17-OD, fifth edition).

The report of the external expert commission (EEC) contains an assessment of compliance with the activities of Kokshetau State University named after Sh. Ualikhanova in the framework of specialized accreditation to the criteria of the IAAR, recommendations of the EEC for further improvement of the parameters of educational programs and profile parameters of educational programs.

The composition of the EEC:

1. Chairman –Pak Yuri Nikolaevich, Doctor of Technical Sciences, Professor, Head of the Educational and Methodological Association of Higher Education of the Republic of Kazakhstan, Karaganda State Technical University (Karaganda),
2. Foreign expert - Dimitar Grekov, professor at the Agrarian University, member of the Accreditation Council of the National Agency for Assessment and Accreditation (Plovdiv, Bulgaria),
3. Expert - Shevyakova Tatyana Vasilievna, Doctor of Philology, Professor, Kazakh University of International Relations and World Languages Abylay Khan (Almaty),
4. Expert - Dzhardemalieva Nurzhamal Zhenisovna, Candidate of Medical Sciences, Associate Professor, S.D. Kazakh National Medical University Asfendiyarova (Almaty),
5. Expert - Karimova Gulmira Sarsemkhanovna, Doctor PhD, Kazakh National Pedagogical University named after Abay (Almaty)
6. Expert - Kulakhmetova Mergul Sabitovna, Candidate of Philological Sciences, Associate Professor (Associate Professor), Pavlodar State Pedagogical University (Pavlodar)
7. Expert - NajipkyzyMeruert, Candidate of Chemical Sciences, Associate Professor, Kazakh National University named after al-Farabi (Almaty)
8. Expert - Kamkin Viktor Aleksandrovich, Candidate of Biological Sciences, Associate Professor (Associate Professor), Pavlodar State University named after S. Toraiogyrova (Pavlodar city),
9. Expert - AbishevKairatollaKairolinovich, Associate Professor, Corresponding Member of the National Academy of Engineering and Transport Sciences of the Republic of Kazakhstan, Pavlodar State University named after Toraiogyrova (Pavlodar city),
10. Expert - Aldabergenova Saule Salimzhanovna, Doctor PhD, Kazakh Agrotechnical University named after S. Seifullin (Nur-Sultan),
11. Employer - Zhaksylykov AsenDulatovich, Director of GorMolZavod LLP (Kokshetau)
12. Employer - Zhanspaeva Leyla Maratovna, expert at the human capital development department of the Atameken Regional Chamber of Entrepreneurs (Kokshetau),
13. Student - Uzbekova Nurai Shalkarovna, member of the Alliance of Students of Kazakhstan, 2nd year student of the educational program “5V011900-Foreign Language: Two Foreign Languages”, A. Myrzakhmetov University of Kokshetau (Kokshetau),
14. Student - Zhusupov Chingiz Kanatovich, Executive Director of the Foundation “Alliance of Students of Kokshetau”, 4th year student at Kokshetau University named after A. Myrzakhmetov (Kokshetau),
15. Student - AldanyshZhmaghanZhmagbekuly, a member of the Alliance of Students of Kazakhstan, a 2nd year student of the OP “General Medicine” of the Medical University of Astana (Nur-Sultan),
16. Student - Azhibekova Rosa Askargy, member of the Alliance of Students of Kazakhstan, 3rd year student of OP “Chemistry” of the Eurasian National University named after L.N. Gumileva (Nur-Sultan).

17. Observer - Shalabaeva Zhanzira Ismailbekovna, head of post-accreditation monitoring in the IAAR (Nur-Sultan).

### **(iii) REPRESENTATION OF THE EDUCATION ORGANIZATION**

At present, the educational activities of Kokshetau State University are carried out on the basis of a re-registered license No. 12019134 dated 12/12/2012 issued by the Committee for Control in Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan to train specialists in 65 undergraduate specialties, 30 master's degrees 6 majors in PhD doctoral studies. The university was created in 1996 by the merger of the Kokshetau Pedagogical Institute. C.Ch. Valikhanov, a branch of the Karaganda Polytechnic Institute and the Institute of Agriculture (order of the Ministry of Education and Science of the Republic of Kazakhstan dated May 23, 1996 No. 143).

Kokshetau State University named after S. Ualikhanova is one of the leading regional universities in Northern Kazakhstan, leading for more than 50 years in the education system. The university covers the full educational cycle (undergraduate, graduate and doctoral PhD). The university has 6 faculties: natural sciences, philology and pedagogy, faculty of history, jurisprudence, art and sports, polytechnic, medicine; Faculty of correspondence education, Agricultural and Economic Institute. S. Sadvakasova, a multidisciplinary college.

At 25 departments, 527 teachers carry out training of specialists, including 410 full-time teachers, including 20 doctors of sciences, 92 candidates of sciences, 13 doctors of PhD, 214 masters. 32 teachers became holders of the grant "The best teacher of a higher education institution of the Republic of Kazakhstan".

The contingent of students, in the whole university, is 6,612 people, undergraduates - 277 people, doctoral students - 32 people.

The high level of training of specialists is confirmed by the leading positions in annual ratings. In the institutional rating of universities - 2018 "Kazakhstan 2050 - National Rating on Innovation and Academic Excellence", held by the National Academy of Sciences of the highest school of Kazakhstan, the university occupies 12 places of secondary specialized universities of Kazakhstan. According to the rating of educational programs 4, it occupies OP 5V070100 - Biotechnology.

According to the results of the National Rating of the demand for universities of the Republic of Kazakhstan - 2018, held by the Independent Accreditation and Rating Agency, OP 5V080100 - Agronomy, 6M080600 - Agricultural machinery and technology took 2nd place; OP 6M060600 - Chemistry - 3rd place. In the general ranking of the TOP-20 universities of the Republic of Kazakhstan, the university took 14th place.

According to the results of the rating of the National Chamber of Entrepreneurs "Atameken", OP 5V080800 - Soil Science and Agricultural Chemistry took 1st place.

In the ranking of educational programs in 2019 conducted by the IAAR, educational programs 5B080800 - Soil Science and Agrochemistry, 6M080100 - Agronomy, 6M080600 - Agricultural machinery and technology take 3rd place.

The total area of the material and technical base of the university is 62,659.7 m<sup>2</sup> and meets regulatory requirements. The material and technical base of the university includes 5 educational buildings, 5 Internet cafes, 8 reading rooms, 3 museums, 29 computer classes, 28 multimedia classes, the House of Scientists, 2 Student Houses, 3 dormitories, a student nutrition center, a research and production complex "Elite", bath and laundry complex. In general, the university covers an area of 10.9689 ha.

### **(iv) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE**

In accordance with the order of the Independent Agency for Accreditation and Rating on November 25-29, 2013 at Kokshetau State University named after S. Ualikhanova by an external expert commission assessed the conformity of educational programs 5B080600 - Agricultural machinery and technology, 6M080600 - Agricultural machinery and technology, 5B080100 - Agronomy, 6M080100 - Agronomy, 5B080800 - Soil science and agricultural chemistry,

6M080800 - Soil science and agrochemistry based on specialized standards April 26, 2012 No. 08-OD, second edition).

On February 21, 2014, by the decision of the Accreditation Council, educational programs were accredited for a period of 5 years.

The composition of the previous EEC:

1. Chairman of the commission - Shunkeev Kuanyshbek Shunkeevich, Doctor of Philosophy, Professor, Acting First Vice-Rector of Aktobe State Regional University named after K. Zhubanova (Aktobe);

2. Foreign expert - Milen Ivanov Baltov, Associate Professor, Doctor, Vice-Rector for Academic Affairs, Burgas Free University (Burgas, Bulgaria);

3. Foreign expert - Petr Hajek, PhD, professor at the Central Bohemian University (Prague, Czech Republic);

4. Expert - Pak Yuri Nikolaevich, Doctor of Technical Sciences, Professor, Karaganda State Technical University (Karaganda);

5. Expert - Stybaev Gani Zhasymbekovich, Associate Professor, Head of the Department of Agriculture and Crop Production of Kazakh Agro Technical University. S. Seifullina (Astana);

6. Expert - Asangaliev Yelibek Atrauovich, academician of the Moscow Aviation Institute, associate professor of agricultural sciences, head of the department forest resources, technology of woodworking and processing industries of East Kazakhstan State Technical University named after D. Serikbayev (Ust-Kamenogorsk);

7. Expert - Adilova Almagul Sovetovna, Associate Professor, Doctor of Philology, Karaganda State University named after Buketov (Karaganda);

8. Expert - Kurmanbaeva Meruert Sakenovna, Doctor of Biological Sciences, acting Professor, Department of Biology, Kazakh State Women's Pedagogical University;

9. Expert - Dabyldaeva Raykhan Esbergenovna, Ph.D., associate professor, head of the department of foreign languages;

10. The observer for the Agency - Nurakhmetova Aiman Bekbolatovna, Head of the information and analytical project of the Agency (Astana);

**Based on the results of the EEC assessment, the following recommendations were made to the university on EP**

**According to the Standard "Management of the educational program"**

**In order to improve the management of educational programs, the commission recommends:**

- **improve the participation of representatives of interested persons, specialists in the field of agriculture in the composition of the council of the institute in the preparation of the educational program;**

- **intensify cooperation with other universities that implement relevant educational programs.**

**According to the Standard "Specificity of the educational program"**

**In order to improve the specifics of educational programs, the commission recommends:**

- **provide targeted work to increase the publication of scientific articles of faculty in journals with impact factor;**

- **take measures to increase the availability of teaching materials in the state and foreign languages.**

**According to the Standard "Faculty and Teaching Effectiveness"**

**In order to improve the development of human resources and ensure the effectiveness of teaching, the commission recommends:**



- improve work on the use of innovative educational technologies in the educational process;
- contribute to the expansion of international academic mobility of faculty.

**According to the Standard "Learners"**

**In order to meet the needs of students, the commission recommends:**

- intensify the participation of students in research;
- contribute to the expansion of international academic mobility of students.

**According to the Standard "Resources Available to Educational Programs"**

**In order to improve the resource base of the specialty, the commission recommends:**

- provide free access to the university website on educational programs.

**Conclusions:** During the visit, the experts analyzed the recommendations made by the university. The report of the expert group on the assessment of the implementation of the recommendations of the EEC IAAR, made according to the results of the specialized accreditation of the university

The expert group made sure that, in general, the planned activities in accordance with the work plan for the implementation of the recommendations were implemented. Collaboration has been established with other universities that implement similar educational programs, innovative teaching technologies are being introduced, and free access to the site is provided.

The analysis of reports of previous accreditation showed that the External Expert Commission made 9 recommendations. Recommendations made by the university. A recommendation regarding the implementation of double degree education is being implemented.

**(V) DESCRIPTION OF VEC VISIT**

The work of the EEC was carried out on the basis of the approved program of the visit of the expert commission on specialized accreditation of educational programs at Kokshetau State University named after S. Ualikhanov from March 28 to March 30, 2019.

In order to coordinate the work of the EEC, an assembly meeting was held on May 28, 2019, during which the powers were distributed between the members of the commission, the schedule of the visit was clarified, agreement was reached on the choice of examination methods.

In accordance with the requirements of the standards, the visit program covered meetings with vice-rectors, heads of structural divisions, deans, heads of university departments, teachers, students, graduates, employers and employees from structural divisions, interviewing and questioning of teachers and students. In total, 305 people took part in the meetings (table 1).

Table 1 - Information about the employees and students who took part in the meetings with VEC IAAR:

Category of participants	amount
RECTOR	1
Vice Rector	3
Heads of structural divisions	17
Deans	4
Department Heads	10

Teachers	71
Students, undergraduates	134
Graduates	32
Employers	37
Total	305

Visual inspection was carried out in order to obtain a general idea of the organization of educational, scientific and methodological processes, the material and technical base, determine its compliance with standards, as well as for contacts with students and employees at their workplaces. Experts examined the departments, faculties, structural units, libraries, sports facilities, medical center, etc.

In accordance with the accreditation procedure, a survey was conducted of 71 teachers, 116 students.

In order to confirm the information presented in the Self-Assessment Report by external experts, the university's working documentation was requested and analyzed. In particular, the University's Strategic Development Plan for 2017–2021, the University's work plan, department work plans, the catalog of elective disciplines, the Department Regulations, the RUE for Master and Bachelor programs, job descriptions, plans and protocols of the Academic Council, UMKD, etc.

Along with this, experts studied the Internet positioning of the university through the official website of the university [www.kgu.kz](http://www.kgu.kz).

EEC members visited the bases of practice of accredited programs: EurasiagroupKazakhstan LLP, Burabay State Scientific-Industrial Enterprise.

EEC members attended exams:

according to OP 6M080600 / 7M08501 - Agricultural machinery and technology:

- discipline "Power Plants in Agriculture", 13.40 h., (212 aud., AEI building), 1 undergraduate was present;

according to OP 5V080100 / 6V08101 - Agronomy:

- discipline "Agriculture", 9.00 a.m., (234 aud.), 8 students attended;

according to OP 6M080800 / 7M08102 - Soil science and agricultural chemistry:

- discipline "Soil protection from erosion, degradation and pollution", 13.40 h., (129 aud., AEI building), 2 graduate students were present.

## **(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS**

### **6.1 STANDARD "EDUCATIONAL PROGRAM MANAGEMENT"**

#### ***Evidence part***

Training of specialists in educational programs 5B080600 / 6M080600- Agricultural machinery and technology, 5B080100 / 6M080100- Agronomy, 5B080800 / 6M080800- Soil science and agricultural chemistry is carried out in accordance with the Annexes to the State License, No. 12020851 from 12/11/2012.

Training of specialists is carried out according to the Classifier of specialties of higher and postgraduate education of the Republic of Kazakhstan in full-time and part-time education. The language of instruction is state, Russian, multilingual education by educational level has been introduced.

The university has developed an internal system for ensuring the quality of educational programs, including its design, management and monitoring.

The implementation and development of accredited educational programs is determined, first of all, by the mission, vision, development strategy of the university, as well as educational development plans.

The effectiveness of the EP development plan is ensured by the teaching staff responsibility for the final results, delegation and delimitation of powers, posting information on the university website.

In order to increase the competitiveness of EPs in the regional market of educational services, KSU has developed a Strategic Development Plan for KSU named after S. Ualikhanov. The strategic plan was approved by the decision of the Scientific Council of 02.02.2017

The goals in the field of quality, including those necessary to meet the requirements for educational services, are set in the appropriate departments and at the appropriate levels, they are measurable, have their own quantitative indicators in accordance with the Strategic Plan and are consistent with the Quality Policy in the KSUIM. Sh. Ualikhanova.

The development and regular adjustment of EP is considered at meetings of graduating departments with the involvement of specialists from both the internal and external environment, including students, faculty and employers. The representativeness of employers involved in the design and implementation of each educational program is demonstrated.

EP management operates on the principles of openness and accessibility for students, faculty and employers. The university website contains information about the departments, contact details of faculty.

To support the basic processes and delegation of authority at the university, a set of internal regulatory documents has been developed that regulates the implementation of the study program.

Since the last external assessment procedure by the accreditation agency and the IAAR rating, accredited educational programs have participated in the rating of educational programs of the National Chamber of Entrepreneurs of the Republic of Kazakhstan "Atameken", according to which in 2018 OP "Soil Science and Agrochemistry" took 1st place, OP "Agrarian Engineering and Technology" 6th place.

According to the results of the National Rating of the demand for universities of the Republic of Kazakhstan - 2018, held by the Independent Accreditation and Rating Agency, OP 5V080100 - Agronomy 2nd place OP 6M080600 - Agricultural machinery and technology; 2nd place.

In the ranking of educational programs in 2019 conducted by the IAAR, educational programs 5B080800 - Soil Science and Agrochemistry, 6M080100 - Agronomy, 6M080600 - Agricultural machinery and technology take 3rd place.

In July 2017, the educational programs “5B080100– Agronomy, 6M080100 – Agronomy” passed international accreditation at the ACQUIN Institute for Accreditation, Certification and Quality Assurance (Bagroit). Based on the results of accreditation, these educational programs received quality certificates for the period from July 3, 2017 to September 30, 2021.

EEC experts during interviewing employers, students, teachers, studying internal regulatory documents that regulate the implementation of EP, information on the site made sure the transparency of the educational program management system.

The necessary information, personnel, financial and material and technical resources, as well as regulatory and legal documentation, ensuring the implementation of educational programs, are available for managing EP.

### **Analytical part**

The Commission notes that:

The objectives of the educational program are recorded in a modular educational program, in working curricula and in the catalog of elective disciplines, which are available on the university’s website in the “training” section <http://kgu.kz/>.

The analysis of information on the implementation of the EP is carried out by considering these issues at meetings of the department, the educational-methodical committee and the Academic Council of the University, the EP leadership actively involves representatives of groups of interested parties, including employers and teaching staff, in the formation of the development plan of the EP.

The university provides transparency of the educational program management system. So, on the university’s website, in the sections “Rector’s Blog”, “University”, “Education”, “Structure”, information is presented on the leadership and structural units of the university (rector, vice-rector of the relevant areas, deans, heads of graduating departments). In the rector’s blog, you can directly ask him questions. Students, employees and interested parties can personally contact the heads of departments, deans, vice-rectors, and rector in a specially allotted time. EP management takes active steps to ensure that the progress made since the last external quality assurance procedure was taken into account in preparation for the next procedure.

The EEC notes that in the implementation of the academic program, a multilingual education at the educational levels was introduced at the university.

For accredited EPs, practice-oriented classes are applied at the undergraduate and graduate levels, while at the same time, dual training is not sufficiently implemented.

Innovative teaching technologies are not actively introduced into the educational process and joint / double degree education and academic mobility are not implemented.

A risk management system is being actively implemented for accredited EPs, this work is carried out centrally, however, risk management in relation to 5B080600 / 6M080600 - Agricultural machinery and technology, 5B080100 / 6M080100 - Agronomy, 5B080800 / 6M080800 - Soil science and agricultural chemistry is not conducted enough.

The EEC Commission notes that the management of educational programs did not receive training in management programs.

Interviews with EP managers and analysis of the documentation presented confirmed the uniqueness of the accredited 5B080600 / 6M080600- Agricultural machinery and technology, 5B080100 / 6M080100- Agronomy, 5B080800 / 6M080800- Soil science and agrochemistry is carried out in front of similar educational programs of other universities, which include flexible study courses in flexible courses programs, the involvement of business practitioners in the educational process, the presence of branches of the department (LLP Eurasia Group, LLP Gormolzavod) at enterprises, the ability to prepare about uchayuschihysya for certification in their specialty.

According to OP 5V080100 - Agronomy, two trajectories of the educational program have been developed: Agrotechnology, Selection and seed production. According to the master's level, Agrotechnology.

According to the OP 5V080800, Soil Science and Agrochemistry also have 2 trajectories: Agroecology, Soil Science, Agrochemistry and Plant Protection. According to the master's level- Agroecology

According to OP 5V080600 Agricultural machinery and technology, there are two paths: Engineering and technology in crop production. Technique and technology in animal husbandry. By the level of the master's program - Agricultural machinery and technology.

According to the results of the survey of teaching staff:

- 15.9% of faculty members assess “relatively poorly” the possibility of combining teaching with scientific research;

- 5.8% of faculty members assess “relatively poorly” the possibility of combining teaching with applied activities.

According to the results of the questionnaire, the level of accessibility and responsiveness of the university leadership is “fully satisfied” - 802%, “partially satisfied” - 17.2% of students.

Strengths / Best Practices

- EP management attracts representatives of stakeholder groups, including employers and teaching staff, to formulate the EP development plan;

- EP management strives to ensure that progress made since the last external quality assurance procedure was taken into account in preparation for the next procedure.

- OP 5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 / 6M080800- Soil science and agricultural chemistry have a high external assessment of the society, rating agencies, etc.

***Recommendations of VEC OP 5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 / 6M080800- Soil science and agricultural chemistry:***

***- using the experience of the university in risk management, apply this system in the development of educational programs.***

***- to provide managers of educational institutions with the passage of management courses in education.***

***VEC conclusions on the criteria for 5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 / 6M080800- Soil science and agricultural chemistry:***

***The EEC notes that according to this standard “Management of the educational program”, according to 9 criteria of this standard, they have strong positions, 6 - satisfactory positions and 2 criteria suggest improvement.***

## **6.2 STANDARD INFORMATION MANAGEMENT AND REPORTING**

### **Evidence part**

The university has implemented information management processes, including information collection and analysis processes. The university has a department of computer technology and telecommunications, which is responsible for the information and technical support of accredited EPs.

Information is disseminated and feedback is obtained through meetings of collegial bodies and working groups created to solve pressing problems.

One of the mechanisms for ensuring awareness and communication is the Internal Rules and the Code of Honor, which are published on the website of KSU named after Sh. Ualikhanova.

The following information technologies were introduced in the university's management: the university's information website (<http://kgu.kz/>), The Platonus automated educational process management information system, distance learning system, university's electronic library, information systems and library complex resources.

AIS "Platonus" allows you to display information on the educational process. The software package "Electronic University: The Learning Process" is fully integrated into the system of the internal university portal. The purpose of the information system is information support and automation of the organization and management of the educational process of the credit technology of learning. The monitoring system for the implementation of plans for the development of the educational program of the cluster includes the following mechanisms: annual reports of graduating departments and faculties; internal audits; consideration of issues of development of different areas of specialist training at collegial bodies.

The university has its own developed automated information systems such as: Applicant, Schedule, Practice, KPI system. These systems are involved in the collection and processing of information on all activities of the university. Local communication and closed corporate communication are used, the improvement of the information collection process is provided by the Electronic University department.

The university collects, analyzes and processes information on the contingent of students, as well as information on the level of student achievement. Assessment of the dynamics of the contingent of students and their performance is an ongoing process and is carried out at meetings of the Academic Council, faculty and departments, is made out in the form of protocols.

Feedback has been established with students, allowing us to identify their satisfaction with the quality of the implemented educational programs. In the course of the conversation with the students, it was noted that they had the opportunity to turn to the leadership with certain problems.

As shown by selective acquaintance with the personal affairs of faculty, staff and students, students, employees and faculty of the University draw up agreements for the processing of their personal data, which confirms the legitimacy of the university in accordance with the Law of the Republic of Kazakhstan "On personal data and their protection" (dated May 21 2013 No. 94-V).

The university's internal portal is an entry point to such systems as the Electronic Library, Schedule, Rating, Web-questioning, Web-testing, Anti-plagiarism, Telephone directory and the page of congratulations of employees on their birthday. The portal contains announcements, legal documents, plans and reports of the university, which are updated in a timely manner.

Introduced information systems, both proprietary and commercial products. The university's own development is a web portal, information systems: Personnel, Applicant, Rating, Electronic University: The educational process.

#### ***Analytical part***

On the analysis of compliance with the criteria of the standard "Information Management and Reporting" for accredited EPs, the commission notes the following: the university has an information and reporting management system. Data is stored in electronic and paper format in accordance with the nomenclature.

Databases available at the university allow you to generate a variety of analytical reports.

Regular questionnaires are conducted for students, employees, faculty, employers, as a result of which appropriate measures are taken to eliminate shortcomings and improve OP.

Feedback has been established with students, allowing us to identify their satisfaction with the quality of the implemented educational programs. During the conversation with the students, it was noted that it was possible to turn to the management with certain problems. The university, when collecting and analyzing information, takes into account key performance indicators, the dynamics of the contingent of students in the context of forms and types, the level of academic performance, student achievement and expulsion. Students, employees and faculty confirm their consent to the processing of personal data.

The departments have developed programs and plans for the development of EP, in which the expected results also have measurable indicators for each type of implemented activities, which allows to evaluate the effectiveness and efficiency of activities in the context of EP.

Interviews with teachers and students showed that suggestions and recommendations from interested parties resonate with management decisions.

During the visit of the EEC, the university did not fully demonstrate how the mechanism of communication with employees and other interested parties works, as well as the mechanism for resolving conflicts.

According to the results of the questionnaire, 26.1%, 62.3%, and 8.7% answered “very well” to the question about assessing the involvement of teaching staff in the process of making managerial and strategic decisions.

#### ***Strengths / Best Practices***

*- The university in the collection and analysis of information takes into account key performance indicators, the dynamics of the contingent of students in the context of forms and types, level of performance, student achievement and expulsion;*

*- According to the OP 5V080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800- Soil science and agrochemistry, students are highly satisfied with the implementation of EP and the quality of training;*

*- Students, employees and faculty confirm their consent to the processing of personal data;*

***Recommendations VEC5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 / 6M080800- Soil science and agricultural chemistry:***

*- to improve the mechanism of communication and interaction of EP management with faculty and students and other interested parties.*

***VEC conclusions on the criteria for 5B080600 / 6M080600- Agricultural machinery and technology, 5B080100 / 6M080100- Agronomy, 5B080800 / 6M080800- Soil science and agricultural chemistry:***

***EEC notes that according to this standard “Information Management and Reporting”, according to 11 criteria of this standard, they have strong positions, 6- satisfactory positions.***

### **6.3 STANDARD "DEVELOPMENT AND APPROVAL OF THE EDUCATIONAL PROGRAM"**

#### ***Evidence part***

The development and approval of educational programs at the University is carried out in accordance with the requirements of the Standard of the University of QMS STU 4.03-2018 “Design, development of educational services, management of educational and organizational processes” (approved on January 18, 2018) by the provisions of regulatory legal acts in the field of higher and postgraduate education, as well as documentation developed by the University to ensure transparency and clarity of implementation of the development strategy areas.

Accredited Cluster OP 5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 / 6M080800- Soil science and agricultural chemistry are provided with educational and methodical documentation in accordance with the requirements of: state compulsory education standards; typical and working curricula of specialties; typical and working curricula of disciplines.

The university has the following types of curricula: standard curriculum (TUP), work curriculum (RUE), MOS - modular educational programs. Curricula are developed on the basis of standard curricula in the specialties for the entire period of study, State compulsory education standards and the Rules for organizing the educational process on credit training technology. In accordance with GOSO RK, the curriculum maintains the ratio of the volume of disciplines of the cycles of OOD, DB, majors.

The development of educational programs involved in the committees of educational plans and programs. For each educational program, a graduate model is developed, which describes the learning outcomes and personal qualities of the graduate.

The content and structure of accredited EPs are formed in accordance with the requirements of the Model Rules for the Activities of Higher and Postgraduate Education Organizations, approved by Decree of the Government of the Republic of Kazakhstan dated May 17, 2013 No. 499, State Educational Standards of the Republic of Kazakhstan, approved by Decree of the Government of the Republic of Kazakhstan No. 1080 of 08/23/2012, Rules for the Organization of Educational the process of credit training technology, approved by Order of the Minister of Education and Science No. 152 of April 20, 2011, with corresponding amendments to them.

The formation of the individual educational trajectories of the student is carried out with the help of an adviser for each academic year on the basis of GOSO RK, TUPs, IUPs.

On the basis of the OP annually, working curricula, catalogs of elective disciplines (QED) are compiled and approved. The QED contains a brief description of the disciplines indicating the prerequisites and post-requisites of the discipline. QED are available at the departments and on the educational portal.

The MOP displays the logical sequence of mastering cycles, disciplines, practices, final certification, defense of thesis, ensuring the formation of general and special competencies. The complexity of the disciplines of cycles in Kazakhstan and ECTS credits, as well as in hours, with the allocation of a lecture, practical (seminar) classes, independent work of students under the guidance of a teacher and independent work of a student, all types of professional practice, intermediate certification are indicated.

For all educational programs, graduate models have been developed that contain a description of the required minimum of knowledge, skills that provide basic education and the specifics of each educational program.

The graduating department has developed programs of all kinds of practices. The university has concluded agreements with large companies for passing all types of practices by students accredited by EP.

Various types of knowledge control included in the teaching materials allow assessing the effectiveness of mastering students' professional competencies.

In order to improve the quality of teaching disciplines, employers are involved in the educational process. In the disciplines "Tractors and automobiles", "Machine use in agriculture", students of OP 5V080100– Agronomy, 5V080600- Agricultural equipment and technology practical classes are held at the branch of the department of Eurasia LLP groups, according to the schedule of classes.

Employers have been proposed and implemented in the educational program the following disciplines:

In the OP "5V080100 - Agronomy": "Accounting", "Fundamentals of animal husbandry", "Plant quarantine", "Adaptive technologies for cultivation of field crops", "Zonal farming system of the Republic of Kazakhstan".

In OP 6M080100 "Agronomy" - "Modern technologies for precision farming systems" or "Navigation technologies in agriculture".

In the OP "5V080800 - Soil Science and Agricultural Chemistry": "Fundamentals of geobotany", "Fundamentals of land management", "Chemical plant protection products".



In OP 6M080800 Soil Science and Agrochemistry "Saline and saline soils and their reclamation."

For the OP 5V080600 "Agricultural machinery and technology", employers proposed to introduce disciplines in Precision Farming "Fundamentals of Precision Agriculture", "IT in the operation of agricultural machinery", and also to introduce the discipline "Application of GIS-technologies in agribusiness" as elective disciplines of choice.

For conducting an external examination on accredited voluntary substitute deputy. Head of the Department of Agriculture in the Akmola region Talasbayev D.T., deputy. Aitkuzhin K.K., Head of the Akmola Regional Territorial Inspection of the State Property Inspection in the Ministry of Agriculture, AITkuzhin K.K., Chairman of the Board of the SEC "Regional Grain Holding" Tashenov E.S., Director of Eurasia Group Kazakhstan LLP Nevadyuk S. The decision to approve the OP at the first stage is made by the department, which is reflected in the protocols.

An important role in the training of specialists, namely in the formation of their professional competencies, is played by various types of practices provided for by TUP and the internal regulation of the quality management system STU4.05-2018 "Organization and conduct of professional practice." At the university, upon completion of practice, students submit to the department a report and a diary signed Head of the practice base.

The complexity of academic disciplines is determined in Kazakhstan loans and ECTS on the basis of the "Rules for the organization of the educational process on credit technology of education", approved by the order of the Ministry of Education and Science of the Republic of Kazakhstan dated April 20, 2011 No. 152, and is fixed in the position of the university.

The development of joint educational programs with foreign educational organizations is carried out within the framework of the international educational project EPP-1-2018-1-KZ-EPPKA2-CBHE-JP "New and innovative courses in precision farming" (2018-2021), educational programs 5B / 6M080100 –Agronomy, OP 5V / 6M080800 - Soil science and agricultural chemistry, 5V / 6M080600 Agricultural machinery and technology. Project participants are universities in Kazakhstan, Bulgaria, the Czech Republic, Germany, Turkmenistan, and Uzbekistan.

### ***Analytical part***

Analysis of accredited EPs for compliance with the criteria of the standard "Development and approval of the educational program" shows that the content of educational programs, the sequence of their implementation, the depth of development in all specialties of training meet regulatory requirements. For each EP, the head of the EP is appointed and working groups for specialties are formed to develop the EP, determine the profile and model of the graduate, the qualifications obtained upon completion of the EP are clearly defined and explained, the labor intensity of the EP is clearly defined in Kazakhstan loans and ECTS, the content of educational disciplines and the results of training at the level of training are provided.

When interviewing employers and studying the documentation at the departments, an insufficient level of training of students for professional certification in the context of the EP at the graduating departments was found.

In order to integrate the education system into the international educational space, to more fully satisfy the educational needs of students, the university leadership is doing some work in this direction: agreements have been concluded on mutual cooperation with other Kazakhstan and foreign universities, academic mobility of students in foreign universities is not enough in a small number of students and undergraduates.

According to the accredited EP, there is no joint OP implemented with domestic and foreign universities. However, the University is negotiating with universities in this direction.

A survey of students conducted during the visit of the EEC IAAR showed that:

The course content is well structured –75%; partially –18.1%; disagree 0.9%.

### ***Strengths / Best Practices***

- according to the OP Agronomy, the presence of a 3-level training system.
- determined and documented procedures for the development of EP and their approval at the institutional level;
- the presence of developed models of the graduate of OP;
- According to OP 5V080600 / 6M080600 - Agricultural machinery and technology, 5V080100 / 6M080100 - Agronomy, 5V080800 / 6M080800 - Soil science and agricultural chemistry, a wide base of practices that provide practical training for students
- The content of educational disciplines and the results of training at the level of training is provided.

***VEC recommendations for OP 5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 / 6M080800- Soil science and agricultural chemistry:***

***- carry out work on preparing students for professional certification in the context of EP at graduating departments;***

***- the leadership of the university to provide measures for the practical implementation of joint educational programs 5B080600 / 6M080600 - Agricultural machinery and technology, 5B080100 / 6M080100 - Agronomy, 5B080800 / 6M080800 - Soil science and agricultural chemistry with domestic and foreign educational organizations.***

***VEC conclusions on the criteria for 5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 / 6M080800- Soil science and agricultural chemistry:***

***EEC notes that according to this standard, "Development and approval of OP", according to 5 criteria of this standard, they have strong positions, 5- satisfactory positions and 2 criteria suggest improvement.***

## **6.4 STANDARD "PERMANENT MONITORING AND PERIODIC EVALUATION OF EDUCATIONAL PROGRAMS"**

Monitoring the quality of the EP is carried out: by the timing of the implementation of the plan of development of the EP; on the quality of students' knowledge; employer reviews; according to the feedback of students and graduates of EP, etc. Assessment of the quality of education received at a partner's university: based on external and internal regulatory documents of a partner's university, regarding the quality of education of a given university. Satisfaction monitoring is ensured through regular questionnaires, testing and personal interviews with the head of the educational program and teaching staff with interested parties. Revision and, if necessary, updating of OP programs is carried out by the department at least once a year. As necessary, the "Catalog of Elective Disciplines" is updated taking into account the interests of employers and the proposals of the chairmen of the State Administrative Commission. At the suggestions of employers, elective disciplines are updated every year in the curriculum of specialties.

Monitoring the status of the issues under consideration is carried out by the competent commissions created by the order for the university, faculty. The implementation of decisions made is monitored by the commission and discussed at meetings of the Academic Council of the University and the Faculty Council.

The effectiveness of changes implemented by the EP is evaluated by the results of academic performance and the quality of training of students. All processes associated with the implementation of the OP bachelor's, master's degrees at KSU named after Sh. Ualikhanova is documented and verified by the Department of SPAiMK.

To determine the level of satisfaction of students, the Department of Academic Affairs and the Department of SPA and MK each academic period organizes and conducts a survey of students. The following types of monitoring and questionnaires are conducted annually:

- a survey of students, faculty, employers;
- monitoring the employment of graduates;
- monitoring of the structure and content of EP by employers based on the examination of modules, MOS, QEDs;
- Questioning of students' satisfaction with the organization of education at the University and the improvement of the educational process; on the quality of work of the dean's office and faculty; on the organization and production practices, on the prevention and combating corruption at the university;
- Monitoring the activities of the University over the past academic year in the form of a report;
- with the help of AIS "Platonus" and monitoring is carried out: the characteristics of the contingent; educational process, etc.

Monitoring of the workload, academic performance and the results of assessing the quality of training of students and graduates is carried out, which is confirmed by the minutes of the SES meetings, the minutes of the meetings of the departments.

The educational program is updated in connection with the change in state generally binding standards of higher education, the introduction of new directions and elective courses.

Updating the EP is carried out in accordance with the requests of employers, which is reflected in the catalog of elective disciplines for the corresponding academic year, is considered by the Academic Council of KSU. Sh. Ualikhanova.

The university leadership has demonstrated its openness and accessibility for students, faculty, employers: there is access to the leadership of any level of management on personal issues, and meetings with the rector and vice-rectors are held on a systematic basis.

#### ***Analytical part***

The EEC confirms that the university constantly monitors, periodically evaluates and reviews educational programs for the effective implementation of the educational process and works to create a favorable learning environment for students. Employers are involved in the process of designing, developing and implementing, as well as revising the EP, for conducting classes, reviewing diploma projects, are members of the state certification commission.

The EEC Commission notes that information on the content of accredited educational programs is not fully posted on the university's website, and information on changes in the content of EPs is not posted in the public domain.

The university leadership has demonstrated its openness and accessibility for students, faculty, and employers: reception hours are determined on personal issues, meetings with the rector are held on a systematic basis.

Employers participate in the development of EP by submitting their proposals for new elective disciplines. The University has reviews of employers at the EP.

The EEC Commission notes that the content of Op is constantly updated and updated, however, all changes are not communicated to interested parties.

The University annually participates in VOUD held by the Ministry of Education and Science of the Republic of Kazakhstan among graduate students. VOUD is a mandatory procedure and includes independent testing of students in 4 specialized disciplines.

In the accredited educational programs participated in the rating of educational programs of the National Chamber of Entrepreneurs of the Republic of Kazakhstan "Atameken", according to which in 2018 OP "Soil Science and Agrochemistry" took 1st place, OP "Agrarian Technique and Technology" 6th place.

According to the results of the National Rating of the demand for universities of the Republic of Kazakhstan - 2018, held by the Independent Accreditation and Rating Agency, OP 5V080100 - Agronomy 2nd place OP 6M080600 - Agricultural machinery and technology; 2nd place.

According to the results of the questionnaire, the level of accessibility of leadership to students was rated as “fully satisfied” by 80.2%, “partially satisfied” by 17.2% of students. The availability of leadership for teachers was rated as “very good” by 50.7%, “good” - 43.5% of teaching staff.

#### ***Strengths / Best Practices***

- *accredited EPs are systematically evaluated and improved by stakeholders, collegial bodies of the university, thereby ensuring the quality content of the OP.*
- *systematically monitors the load, performance and graduation of students.*
- *The leadership of the university, educational programs available to students, faculty, and members of the public.*

***VEC recommendations for OP 5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 / 6M080800- Soil science and agricultural chemistry:***

- *provide information on any actions in relation to the OP and publish all the changes made on the website and other information resources of the university.*

***VEC conclusions on the criteria for OP5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 / 6M080800- Soil science and agricultural chemistry:***

*The EEC notes that according to this standard “Continuous monitoring and periodic evaluation of educational programs”, according to 5 criteria of this standard, it has a strong position, 4 –satisfactory and improvement according to 1 criterion.*

## **6.5 STANDARD "STUDENT-CENTRAL LEARNING, TEACHING AND ASSESSMENT OF LEARNING"**

### ***Evidence part***

The University leadership provides equal opportunities for students regardless of the language of instruction. Training takes place in the state and Russian languages. At each OOP, MOS and QED are formed that characterize educational trajectories. Students have the opportunity to choose elective disciplines and teachers for the next academic year.

Students receive information about the possibilities of forming an individual educational trajectory with the help of advisers. Monitoring the progress of students along the educational trajectory is carried out on the basis of a student assessment system. Independent work of students under the guidance of a teacher is planned for the academic stream if its occupancy is no more than 50 people. Based on the results of academic performance, the average GPA transfer rate is calculated, which increases with each student's year of study, which serves the purpose of improving the quality of knowledge in special disciplines. EP management provides cash Chiyo and effectiveness of the mechanism of the collective appeal (Appeal), transparency of criteria and assessment tools.

For students with special educational needs, they have access to library and information resources, free movement through the academic buildings, dormitories and social facilities of the university, ramps and pictograms are installed.

Students are provided with syllabuses, teaching materials, educational and scientific literature, SRO, SROP, consultations and information resources. Departments ensure the harmonious development of students, taking into account their individual characteristics. Monitoring the effectiveness and efficiency of the use of innovations and the use of active teaching methods is carried out through discussion at meetings of the departments, analysis of student performance.

The university has an effective information system and feedback: the website of KSU named after Sh.Ualikhanov, the page for the entrant, the history and events sites of KSU named after Sh.Ualikhanov, an electronic library, a student forum, an educational portal, and

others. EP management is actively working to maintain autonomy for students disciplines, through the use of interactive teaching methods, round tables, discussions, game technologies, technologies of collective and group activity, simulation methods of active learning I, the case method, project method, discussion method, brainstorming, project method, a business game, a lecture press conference, lecture-discussions, lectures, visualization, lecture, debate, etc.

The procedures for assessing the level of knowledge of students at the University are consistent with the planned learning outcomes and goals of the EP. Assessment of knowledge, skills and professional competencies of students studying on credit technology of education is carried out on a 100-point scale with the conversion of the final result into a letter and digital equivalent. The final grade for the discipline includes grades for admission rating and final control. All information on the assessment of students, including current, intermediate, final control, is available in the AISPlatonus system.

The University has established a procedure for responding to student complaints. There is a helpline where to go with suggestions and complaints. There is feedback, which is implemented in the form of the functioning of the blog of the rector.

Conflict detection mechanisms are student statements, a personal appeal to the leader, and leave an online complaint. The University uses a special box installed at the entrance of the main building to receive information and consider complaints and suggestions of students.

### ***Analytical part***

The Commission notes that the University is committed to developing objective tools for assessing students' knowledge, using the recommendations of the latest version of ECTS and a clear anti-corruption policy.

Students enrolled in accredited EPs participate in independent assessment of learning outcomes, in updating and developing the content of EPs.

When studying the content of accredited EPs, members of the EEC noted that there is only one educational path in terms of master's level, which limits students in their freedom of choice.

The EEC notes that the teaching staff of educational programs improve their qualifications, however, it is necessary to conduct training on the part of the university in connection with changes in regulatory legal acts in the field of assessing learning outcomes.

On the basis of scientific centers, students in accredited EPs acquire practical skills.

The EEC Commission, during an interview with faculty members, determined that faculty members of the faculty of education issue various study guides in their readable disciplines.

questioning of students showed satisfaction with the availability of academic counseling 70.6%, partially satisfied 20.7, unsatisfied no.

### ***Strengths / Best Practices***

- *the existence of a procedure for responding to student complaints.*
- *equal opportunities for students regardless of the language of instruction*

***VEC recommendations for OP5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 / 6M080800- Soil science and agricultural chemistry:***

- *introduce an additional trajectory into the content of accredited postgraduate study programs in order to provide students with a choice.*

- *EP management to provide advanced training of teaching staff in the field. assessment of learning outcomes in accordance with changes in the regulations of the Republic of Kazakhstan*

***VEC conclusions on the criteria for 5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 / 6M080800- Soil science and agricultural chemistry:***

EEC notes that according to this standard “Student-centered learning, teaching and assessment of performance” according to 5 criteria of this standard it has a strong position, 3 - satisfactory positions and 2 criteria suggest improvement.

## 6.6 STUDENT STUDENT

### Evidence part

EP management demonstrates the policy of forming a contingent of students of EP from receipt to graduation and ensures the transparency of its procedures. To form a contingent of students, the University annually holds an “Open Day”, “Excursions for schoolchildren”, the Subject Olympiad and other events for students of schools in Astana and other regions of Kazakhstan, where reference books, booklets about the university, and information on implemented educational programs are distributed. Confirmation of the relevance and quality of educational programs is the annual increase in the number of foreign students. Currently, 8 foreign students are studying.

An adaptation week has been organized for newly enrolled students, implemented by the efforts of academic advisers. The contingent of admission is shown in table 1.

Table 1 - the contingent of admission accredited by OP

Code and name of OP	2016-2017					2017-2018						2018-2019 on 22.05.2019					
	full-time		correspondence		TOTAL	full-time			correspondence		TOTAL	full-time			correspondence		TOTAL
	Grant	Paid	Grant	Paid		Grant	Grant IOI	Paid	Grant	Paid		Grant	Grant IOI	Paid	Grant	Paid	
5B080600-Agricultural machinery and technology	36	5			<b>41</b>	23				6	<b>29</b>	17		3			<b>20</b>
5B080100-Agronomy	22	13		8	<b>43</b>	45		3		13	<b>61</b>	21					<b>21</b>
5B080800-Soil science and agricultural chemistry	16				<b>16</b>	60					<b>60</b>	20					<b>20</b>
6M080600-Agricultural machinery and technology	0	0	-	-	<b>0</b>	1	-	0	-	-	<b>1</b>	3	-	1	-	-	<b>4</b>
6M080100-Agronomy	0	1	-	-	<b>1</b>	2	-	1	-	-	<b>3</b>	4	-	0	-	-	<b>4</b>
6M080800-Soil Science and Agricultural Chemistry	0	0	-	-	<b>0</b>	0	-	0	-	-	<b>0</b>	3	-	1	-	-	<b>4</b>

Analysis of the contingent of students studying in OP5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 / 6M080800- Soil science and agricultural chemistry 3 academic years show a constant increase in the contingent of students.

The contingent of students in the OP cluster is presented in table 2.

Table 2 - Contingent Learning by OP Cluster

Code and name of OP	2016-2017					2017-2018					2018-2019 on 22.05.2019						
	full-time		correspondence		TOTAL	full-time		correspondence		TOTAL	full-time		correspondence		TOTAL		
	Grant	plate	Grant	plate		Grant	Grant IOI	plate	Grant		plate	Grant	Grant IOI	plate		Grant	plate
5B080600-Agricultural machinery and technology	82	12		4	<b>98</b>	96		4		9	<b>109</b>	100		5		11	<b>116</b>
5B080100-Agronomy	94	24		15	<b>133</b>	122		17		23	<b>162</b>	112		9		42	<b>163</b>
5B080800-Soil science and agricultural chemistry	59	1			<b>60</b>	106					<b>106</b>	106					<b>106</b>
6M080600-Agricultural machinery and technology	1	1	-	-	<b>1</b>	1	-	0	-	-	<b>1</b>	3	-	1	-	-	<b>4</b>
6M080100-Agronomy	2	1	-	-	<b>3</b>	2	-	1	-	-	<b>3</b>	6	-	1	-	-	<b>7</b>
	1	1	-	-		0	-	0	-	-	<b>0</b>	3	-	1	-	-	<b>4</b>

The contingent of students accredited by the OP remains stable for 3 years. From the 2016-2017 academic year, an increase in the number of students has been noted, this is due to an increase in the number of grants and the allocation of a state order for the Serpin program.

In general, there is a positive dynamics of academic performance over the last three academic years. OP5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 / 6M080800- Soil science and agricultural chemistry:

This is confirmed by a fairly large list of practice bases given in the self-assessment report, and is confirmed by a demonstration of documents when visiting departments and during a tour of the practice bases.

In order to undergo industrial and pre-diploma practice, the University has concluded agreements with practice bases for various periods covering all specialties in accordance with the form of a standard agreement for conducting professional practice. Information on the employment of graduates is given in table2.

All travel expenses associated with participation in subject Olympiads, republican student competitions, the NIRS competition announced by the First President's Fund, conferences, forums, are paid by the university.

Table 2– Employment of graduates of EP

Name of OP	2015-2016			2016-2017			2017 - 2018		
	NUMBER OF GRADUATES	NUMBER OF EMPLOYEES	% EMPLOYMENT	NUMBER OF GRADUATES	NUMBER OF EMPLOYEES	% EMPLOYMENT	NUMBER OF GRADUATES	NUMBER OF EMPLOYEES	% EMPLOYMENT
5B080600 Agricultural machinery and technology	15	13	86%	13	11	84%	13	12	92%
5M080600 Agricultural machinery and technology	2	2	100%	1	1	100%	-	-	-
5B080100 Agronomy	35	31	88%	23	19	82%	33	24	72%
5M080100 Agronomy	4	4	100%	3	3	100%	-	-	-
5B080800 Soil science and agricultural chemistry	7	6	85%	15	12	80%	13	10	76%
5M080800 Soil science and agricultural chemistry	2	2	100%	1	1	100%	-	-	-

An analysis of the employment of graduates, as can be seen from table 3, indicates a high level of their employment in accredited EPs, which is more than 70%.

University graduates are provided with an diploma supplement in accordance with the requirements of the state model of the Republic of Kazakhstan with an indication of the studied disciplines, the volume of the complexity of the studied material in loans of the Republic of Kazakhstan and in the ECTS system in 3 languages.

Students of the university take an active part in large-scale events dedicated to the celebration of the anniversary dates of state history: Victory Day, Day of State Symbols, Constitution Day, Independence Day. It has also become a tradition to celebrate the Day of Older Persons, to organize festive concerts for Teacher's Day, International Women's Day on March 8. Students have the opportunity to communicate outside the classroom in the assembly hall, library, sports complex, canteen.

Examination sessions are traditionally held on dates established by the University's academic calendar. Session preparation was carried out in accordance with a set of measures for



the organization and conduct of the session by the structural units responsible for the organization of the educational process.

### ***Analytical part***

The university has a clear policy for the formation of the contingent of students from admission to graduation and ensures the transparency of its procedures, and also provides graduates of EP with documents confirming qualifications, including achieved learning outcomes.

The EEC Commission notes the lack of involvement of students in research activities, in particular students of postgraduate education.

The University is working on academic mobility of students. In order to integrate the education system, the international educational space needs to strengthen its work and draw up a long-term plan for the incoming and outgoing academic mobility of students both inside and outside the country. During meetings with students, it was found out that the measures taken by the university's leadership to assist in obtaining external grants for studies are insignificant. M. Auezova, Latvian Agricultural University, KATU named after S. Seyfullin.

If we consider the qualitative composition of the contingent of students, it should be noted that only 8 accredited EP students are foreign students, in this regard, it is necessary to intensify activities to attract foreign students.

As a result of the questionnaire of students, the availability of academic counseling is completely satisfied (75%); accessibility of health services (73.8%); accessibility of library resources (70.7%); existing training resources (75%); the overall quality of the curriculum (84.5%); the relationship between student and teacher (91.4%).

### ***Strengths / Best Practices***

- Graduates of OP 5V080600 / 6M080600 - Agricultural machinery and technology, 5V080100 / 6M080100 - Agronomy, 5V080800 / 6M080800 - Soil science and agricultural chemistry are in demand in the region and have a high percentage of employability in the specialty;

-OP 5V080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800- Soil science and agrochemistry have a positive growth dynamics of the student body;

- The university provides graduates of EP with documents confirming qualifications, including achieved learning outcomes.

***VEC recommendations for OP5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 / 6M080800- Soil science and agricultural chemistry:***

- increase the number of undergraduate and graduate students participating in programs for the development of internal and external academic mobility.

- to attract students more widely to research activities, in particular through participation in scientific competitions, contests, and the implementation of funded scientific topics.

- develop a mechanism and implement a system of support for gifted students;

***The conclusions of the EEC according to the criteria 5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 /***

### **6M080800- Soil science and agricultural chemistry:**

*EEC notes that according to this standard, "Students" have strong positions according to 6 criteria of this standard, 4 have satisfactory positions and improvement is expected according to 2 criteria.*

## **6.7 STANDARD "PROFESSOR-TEACHING COMPOSITION"**

### **EVIDENCE PART**

The EP leadership demonstrates the application of the university's personnel policy for faculty members involved in the implementation of the EP. The personnel policy of Sh.Ualikhanov KSU consists of a set of principles, norms and rules, organizational mechanisms, managerial decisions that are consistent with the strategic direction of the university. One of the fundamental principles of the personnel policy of KSU named after S. Ualikhanov is the equal need to achieve the individual goals of the employee and the goals of the university with strict observance by the employee of the established norms and rules.

To increase the efficiency of personnel potential management, special attention is paid to the following issues: constant participation in the formation of a full-time teaching staff not only of personnel services, but of heads of all structural divisions; a clearer distribution of functions among all participants in personnel management and coordination of their actions; rational distribution of duties; professional and job promotion of employees, taking into account the results of the assessment of their activities and individual characteristics; hiring highly qualified specialists.

The selection and placement of scientific and pedagogical personnel is carried out by concluding labor contracts and election by competition in accordance with the Rules for competitive replacement of posts of professors and teaching staff of higher educational institutions (order of the Ministry of Education and Science of the Republic of Kazakhstan No. 635 of January 21, 2008).

Personnel potential reflects the preparedness of teachers to perform their functions, both at the moment, and their ability to carry out pedagogical activities in the long term, taking into account age, scientific and pedagogical qualifications, practical experience, business activity, and quality of activity.

In the presence of vacant posts, a competition is announced, for which interested persons with relevant basic education apply. A talent pool is also created from graduate students.

Announcements of vacancies and the competition are published on the pages of the republican newspapers Egemen Kazakhstan and Kazakhstanskaya Pravda, as well as on the university website ([www.kgu.kz](http://www.kgu.kz)). The election for the vacant positions of the faculty is carried out on the basis of the conclusion of the departments, as well as the results of a secret ballot of the competition committee. Bulletins and minutes of the counting board are stored in the personnel department.

The basic documents in the formation of the personnel policy are the Labor Code of the Republic of Kazakhstan, the Law of the Republic of Kazakhstan "On Education", the Order of the Ministry of Education and Science of the Republic of Kazakhstan "On Approval of the Rules for Competitive Submission of the Staff of Academic Staff of Higher Educational Institutions", the Strategic Plan of Sh.Ualikhanov KSU for 2017-2021, as well as personnel monitoring data. The standard on personnel policy of Sh.Ualikhanov KSU was approved by the rector on November 21, 2018. The personnel policy of the university is also reflected in such personnel documents as the "Regulation on the Code of Honor for Teachers and Staff of KSU named after Sh. Ualikhanov" (Approved by the rector of the university on October 18, 2017), "The Internal Rules of the KSU named after Sh. Ualikhanov" (Approved by the rector University "October 08", 2015), "Regulations on the KPI of the teaching staff, heads of departments, deans of faculties of KSU named after S. Ualikhanov" (Approved by the rector of the university "October 25", October 2018).

Monitoring the activities of teaching staff, as well as a comprehensive assessment of the quality of teaching and assessing the competence of teaching staff, is carried out by: organizing mutual visits and open classes; conducting a sociological survey of faculty and workers; systematic questioning of students.

The staffing potential of faculty corresponds to the development strategy of the university and the specifics of the OP.

The implementation of the educational programs "5B080100 / 6B08101, 6M080100 / 7M08101-Agronomy" and "5B080800 / 6B08102, 6M080800 / 7M08102-Soil Science and Agrochemistry" is provided by the Department of Plant Growing and Soil Science, and the educational department "5B080600 / 6M08501 601001 technology "– department of" Mechanization and animal husbandry ".

Staffing for the last 5 years by accredited educational programs is given in table 3.

Table 3 - the Number of teaching staff in the context of accredited educational programs

Specialty code and name	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
OP "5V080100-Agronomy"					
The number of faculty, people	17 58,8	19 52,6	17 58,8	17 58,8	18 64,7
Graduation,%					
OP "6M080100-Agronomy"					
The number of faculty, people	17 100	17 100	17 100	17 100	20 70
Graduation,%					
OP "5V080800-Soil Science and Agricultural Chemistry"					
The number of faculty, people	17 100	17 100	17 100	17 100	20 70
Graduation,%					
OP "6M080800-Soil Science and Agricultural Chemistry"					
The number of faculty, people	12 65	12 65	12 65	12 50	17 52,9
Graduation,%					
OP "6M080800-Soil Science and Agricultural Chemistry"					
The number of faculty, people	12 100	12 70	12 75	12 75	17 75
Graduation,%					

The qualitative composition of teaching staff implementing accredited educational programs is presented in table 4.

Table 4 - the Qualitative composition of the faculty (2018-2019 academic year)

Graduating department	Average age	Total faculty	Qty full-time PPP	Faculty with advanced degrees				
				Total stepped up	Ph.D	PhD	Dr. PhD	% steadiness
Crop and soil	49	18	18	12	2	7	3	66,7

science								
Mechanization and livestock	53	17	17	9	3	5	1	52,9

The indicators on the qualitative and quantitative composition of the teaching staff confirm the presence of the personnel potential necessary to implement the entire spectrum of educational programs and meet the qualification requirements for licensing educational activities.

To improve the quality of teaching and ensure close interconnection with production, teachers, doctors and candidates of sciences, specialists from relevant industries are invited as part-time students. Information on attracting practitioners from production, practice bases and branches of departments is presented in table 5.

Table 5 - the practical orientation of the OP

Indicators	2014-2015 уч. год	2015-2016 уч. год	2016-2017 уч. год	2017-2018 уч. год	2018-2019 уч. год
Department of Crop Production and Soil Science					
Number of practitioners recruited to teach disciplines	-	-	-	2	2
Number of practice bases	5	6	7	8	11
The number of branches of departments	1	1	1	1	2
Department of Mechanization and Livestock					
Number of practitioners recruited to teach disciplines	2	2	2	2	2
Number of practice bases	5	5	5	5	5
The number of branches of departments	1	2	2	2	2

EP management ensures the completeness and adequacy of individual teaching staff work planning for all types of activities, monitoring the effectiveness and efficiency of individual plans, demonstrates evidence of teachers fulfilling all types of planned workloads. The workload of teaching staff in the specialties includes educational, educational, scientific, organizational and methodological work, increasing professional competence.

In all the disciplines of the departments, educational and methodological complexes have been developed, which show syllabuses of educational disciplines, lectures, seminar plans, assignments for self-study programs, types of control questions and questions, rating tasks, exam materials.

The university helps young scientists to improve their professional level. It provides an opportunity for the development of scientific potential and the realization of their creative capabilities - participation in scientific conferences, presentations; represents, protects and

implements professional, intellectual, legal and social interests and rights; promotes scientific knowledge and the latest achievements of science.

For the period 2014-2018 4 dissertations for the degree of Doctor of Philosophy (PhD) were defended in the EP 6D080100-Agronomy - 2, 6D080800-Soil Science and Agricultural Chemistry - 1, 6D080600-Agrarian Technique and Technology - 1.

The teaching staff is actively involved in the social activities of the university and the country, presented in table 6.

Table 6 - the participation of faculty in various organizations in the Republic of Kazakhstan

Full name of the teaching staff	Name of works
Sagalbekov U.M.	Member of the expert council of the Monitoring Committee of the Ministry of Education and Science of the Republic of Kazakhstan
Khusainov A.T.	Member of the dissertation council of the Federal State Institution of Higher Professional Education Tyumen State Academy.
Memeshov S.K.,	Member of the Republican Training Council at KazNAU

The leadership of the EP demonstrated support for the research activities of teaching staff, providing a link between research and training. Scientific results are used in the educational process and are applied in production.

Information on the publication of the results of the research work of the teaching staff for 2014-2019. in the context of the departments are given in table 7.

Table 7 - Summary information on the publication of the results of research work by faculty in the context of departments

Academic year	Patents	Intellectual Property Certificates	Monographs and study guides	Articles recommended by KKSON	Articles in foreign publications	Publications in Impact Factories	
						ThomsonReuters	Scopus
<b>Department of Crop Production and Soil Science</b>							
2014-2015	1	-	2	6	2	-	1
2015-2016	1	-	2	5	2	-	2
2016-2017		1	1	7	4	1	1
2017-2018	2	1	4	7	7	1	4
2018-2019	1	-	3	9	6	2	3
<b>Department of Mechanization and Livestock</b>							
2014-2015	2	-	1	2	-	-	-
2015-2016	2	-	-	3	1	-	-
2016-2017	1	1	2	3	4	2	1
2017-2018	3	-	1	1	4	3	1
2018-2019	1	-	2	4	3	2	-

Information on the number of funded research projects for 2014-2019 and the name of the topics of the research work of the faculty for 2017-2019. are given in tables 8 and 9.

Table 8 - the Number of funded research in the cluster

Research funding	2014-2015 student year	2015-2016 student year	2016-2017 student year	2017-2018 student year	2018-2019 student year
International projects	1	-	-	-	1
Business contracts	-	1	1	2	1
by order of the Ministry of Education and Science of the Republic of Kazakhstan	1	-	-	1	1
By order of the Ministry of Agriculture of the Republic of Kazakhstan	-	-	-	-	3
<b>Total:</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>6</b>

Table 9 - the Name of the scientific topics of research on the cluster

№	Name (topic) of the work performed	Executor	Customer	Volume of work, million tenge
1	2	4	5	6
1	Development of a biomass production technology for bioethanol production based on the cultivation of sugar sorghum	Leader: Kostikov I.F.	MES RK	5,9
2	Testing and introduction of varieties of spring soft millet of different ripeness groups of foreign and Kazakhstan breeding	Performers: Alenov Zh.N.	SPK Regional Grain Holding	11,0
3	Republican project: "A comprehensive assessment of the current ecological state of forests, biodiversity, economic value of terrestrial ecosystems, and analysis of the state and mapping of the soil cover of the Burabay State Scientific Production Enterprise	Bogapov I.M.	Akmola region	36,9
4	Ecological and agrochemical assessment of the use of preparations from ash and nanocarbon for fertilizing chernozem soils for crops	Abdulaev K.K.	Office of the President	25,8

5	Creation of highly productive hayfields and pastures on meadow-solonchic complexes and their use in the steppe zone of Northern Kazakhstan	Alenov Zh.N.	GNPP "Burabay"	49,0
6	To develop an energy-saving and cost-effective varietal technology for the production of seeds of perennial cereal grasses for commercial and on-farm seed production in the hump-plain zone of Northern Kazakhstan	Makhanova S.K.	MES RK	16,5
7	Ecological test of promising spring soft wheat	Bekimova G.B.	Ministry of Agriculture of the Republic of Kazakhstan	3,0
8	Development of intensive technologies in the sheep farming industry of Akmola region in the winter-stall period	Head: Memeshov S.K.,	Ministry of Agriculture of the Republic of Kazakhstan	1,6
9	New and innovative precision farming courses	Performers: Khusainov A.T.	Ministry of Agriculture of the Republic of Kazakhstan	67,0

One of the key activities of the EP management is the creation of favorable conditions for the professional and personal development of teaching staff, including advanced training. Information on continuing education for the last three years is presented in table 10.

Table 10 - the Number of teachers who attended continuing education courses for the last three academic years

The name of the department	2016-2017 academic year		2017-2018 academic year		2018-2019 academic year	
	The Republic of Kazakhstan	Near and far abroad	The Republic of Kazakhstan	Near and far abroad	The Republic of Kazakhstan	Near and far abroad
Department of Crop Production and Soil Science	11	2	8	3	9	5
Department of Mechanization and Livestock	6	3	6	2	8	3
TOTAL:	17	5	14	5	17	8

The incentive system for the professional and personal development of university teachers and staff is represented by financial and non-financial incentive mechanisms. For achievements in the field of educational and scientific activity, active participation in public life and conscientious work, teachers are presented with departmental awards, awarded with diplomas and thanks from the university management, in recognition of services to the university, the “Aryshayebeginoshin” medal was established for employees who have worked for more than 20 years at the university in accordance with the Regulation on the “Aryshayebeginishin” medal of KSU named after Sh.Ualikhanov (approved on March 28, 2016).

Faculty and university staff receive material rewards for anniversaries, material support for treatment and operations. The university trade union committee provides financial assistance for the sanatorium treatment of employees and their children in the amount of 30% of the cost of the permit.

Other mechanisms for motivating employees to work more efficiently and creatively are to apply for internship abroad, as well as to address a number of social issues of teaching staff: assistance in providing housing, improving working conditions, providing the educational process with the necessary equipment of a new generation.

EP management supports and implements the social responsibility of the whole organization and the responsibility of each individual employee to society. Every year, social and cultural events are held to rally the team and maintain the corporate spirit, such as: Celebrating Nauryzmevramy, New Year's corporate events.

### ***Analytical part***

During the visit, experts of the EEC IAAR noted that the university has an objective and transparent personnel policy, including hiring, professional growth and staff development, ensuring the professional competence of the entire staff, actively motivates the professional and personal development of teachers of EP, encourages the integration of scientific activity and education, as well as the application of innovative teaching methods, the EP management is aware of the responsibility for its employees and provides them with favorable working conditions, staffing The teaching staff potential corresponds to the university development strategy and the specifics of the academic program. However, in general, the cluster has a low level of external and internal academic mobility and the involvement of the best foreign and domestic teachers.

In this regard, EP management needs to increase the participation of teachers in academic mobility programs; provide for the possibility of international cooperation and exchange of experience with foreign and domestic colleagues.

One of the methods of motivating faculty in creative development, scientific achievements is the availability of rating payment for the labor system.

According to the results of a survey by the IAAR, the teaching staff expresses full satisfaction with relations with students (88.4%), with colleagues in the department (94.2%). At the same time, 53.6% of teaching staff are fully satisfied with the management attitude, 59.4% are in the activities of the university administration, and 58.0% are in charge of managing changes in the university's activities. The level of stimulation and involvement of young specialists in the educational process is highly appreciated by 40.6% of teaching staff, 34.8% recognize the potential and ability of teachers. 39.1% are satisfied with the provision of equal opportunities to all teaching staff.

### ***Strengths / Best Practices***

- *The university has an objective and transparent personnel policy, including hiring, professional growth and staff development, ensuring the professional competence of the entire staff;*



- the staff potential of teaching staff corresponds to the development strategy of the university and the specifics of the academic program;
- EP management is aware of the responsibility for its employees and provides favorable working conditions for them;
- The university actively motivates the professional and personal development of teachers of EP, encourages the integration of scientific activity and education, as well as the use of innovative teaching methods.

**VEC recommendations for the OP 5V080100 / 6V08101, 6M080100 / 7M08101- "Agronomy", 5V080800 / 6V08102, 6M080800 / 7M08102- "Soil science and agricultural chemistry", 5V080600 / 6V08501, 6M080600 / 7M08501- and "Agra" technology:**

- Strengthen the work on academic mobility of teaching staff (increase the number of teaching staff participating in academic mobility programs by 10%) and attracting the best foreign and domestic teachers.

- To ensure the active use of teaching staff of information and communication technologies (Internet resources, mobile learning, etc.) in the educational process.

**The conclusions of the EEC on the criteria of the standard "Teaching staff" for the OP 5V080100 / 6V08101, 6M080100 / 7M08101- "Agronomy", 5V080800 / 6V08102, 6M080800 / 7M08102- "Soil science and agricultural chemistry", 5V080600 / 6V08501- 6M080600 / 7M08501- and "Agra" technology": strong - 6, satisfactory - 4, implies improvement - 2.**

## **6.8. STANDARD "EDUCATIONAL RESOURCES AND STUDENTS SUPPORT SYSTEMS"**

### **EVIDENCE PART**

Kokshetau State University named after Sh. Ualikhanov has 5 educational buildings, 2 dormitories, 3 houses of students, a house of scientists, 2 fitness centers. The structure of the library complex includes 2 subscriptions, 6 reading rooms for 315 seats, 2 electronic reading rooms equipped with computers that are connected to the local network and have Internet access.

In the Zerendinsky resort zone (Akmola region, Zerenda village) there is a sports and recreation camp "Tulpar", owned by Kokshetau State University named after Sh. Ualikhanova.

For the implementation of high-quality nutrition in educational buildings and dormitories there is a Student Nutrition Center, canteens and buffets. In order to create favorable conditions for improving the life of students and university teachers, a bath and laundry complex was opened.

To organize free medical care at the university, there are 4 medical centers and the multidisciplinary medical and health complex "Arasan". There is an editorial and publishing department. To solve the housing problem of invited teachers, a 26-apartment House of Scientists was opened.

To organize the educational process, the university is sufficiently equipped with a teaching and laboratory base, modern technology in classrooms, lecture halls and in all departments of the university.

In order to develop practical skills among agricultural specialties in the Konysbai rural district of the Zerendinsky district, the Elit training and research and production complex operates, where a semi-detached house is built and the livestock base is repaired.

There are 44 multimedia rooms and 21 computer classes equipped with equipment that meets modern requirements: interactive whiteboards, projectors, and modern computers connected to the Internet to organize research work and create appropriate conditions for students in the bachelor's and postgraduate education areas. The university has 830 computers (322 of them are used in the educational process), united by a common local network. Each building is equipped with high speed internet.

An important factor is the availability of a single automated system at KSU. The university operates the information system "PLATONUS", which includes technological support for

students and faculty. To ensure the appropriate level of safety and security of tangible assets, the university is equipped with a video surveillance system including 236 cameras and an access control system (ACS).

The general requirements for the educational and scientific material and technical base of the university are regulated by the Regulation on the certification of classrooms (laboratories) of Sh. Ualikhanov KSU (approved on January 16, 2013).

The scientific library has ten databases of electronic resources, which are provided with round-the-clock access, and also have access to bibliographic records of the entire book fund through its own server and server technologies. To provide electronic versions of published journals, the library has a subscription to the portals polpred.com and English-language springerlink.com.

The main book fund of the library is 732836 copies (of which: educational - 497674 copies (68% of the total fund), scientific literature 110549 copies (15% of the total fund), educational and other literature 124613 copies (17% of general fund). Periodicals and documents are acquired by the library in accordance with the needs of the departments and structural units of the university. Periodicals and documents are received in the fund of the reading room of periodicals. Chairs annually subscribe to periodicals on average 100 items of studies, these are large Kazakhstani journals in all the study disciplines. The security of the disciplines of the specialty curriculum with a fund of training, educational and methodical and scientific literature on electronic and magnetic media is sufficient.

According to the OP 5V080100 / 6V08101, 6M080100 / 7M08101- "Agronomy" and 5V080800 / 6V08102, 6M080800 / 7M08102 - "Soil science and agricultural chemistry" there are the following specialized classrooms and laboratories:

- Laboratory "Agrochemistry";
- Laboratory "Breeding and seed production";
- Laboratory "Technology of storage and processing of agricultural products";
- Laboratory "Soil Science";
- Laboratories of enterprises and organizations (branches of departments - UNPK "Elit", GU GNPP "Burabay"), etc.

According to 5B080600 / 6B08501, 6M080600 / 7M08501- "Agricultural equipment and technology": there are the following specialized classrooms and laboratories:

- Laboratory "Mechanization of technological production in animal husbandry";
- Laboratory "Tractors and cars";
- Laboratory "Engineering design of agricultural production";
- Laboratory "Production and processing of livestock products";
- Laboratory "Metal cutting";
- Laboratory "Engineering Technologies";
- Laboratory "Hydraulics and heat engineering";
- Laboratory "Theoretical

### ***Analytical part***

As a result of visual inspection by members of the EEC of the material base facilities, we note that to ensure the educational process of accredited educational programs, the university has all the necessary educational and material assets. The university building complies with current sanitary standards and fire safety requirements. Classroom and laboratory facilities, classrooms and other facilities, sports facilities comply with established standards and rules.

Experts note the need to ensure the normal functioning of WI-FI throughout the university, as well as information resources in accordance with the specifics of the OP.

According to the results of the survey, 84.5% of students are satisfied with the existing educational resources of the university; classrooms, classrooms for large groups - 82.8%; lounges for students - 56.9 %%; computer classes and Internet resources - 80.2%; dormitory - 73.3%.

### ***Strengths / Best Practices***

- *availability of sufficient material and technical base;*
- *availability of library resources.*

*VEC recommendations for the OP 5V080100 / 6V08101, 6M080100 / 7M08101- "Agronomy", 5V080800 / 6V08102, 6M080800 / 7M08102- "Soil science and agricultural chemistry", 5V080600 / 6V08501, 6M080600 / 7M08501- and "Agra" technology:*

- *To provide modern information resources on the profile of the OP.*
- *Ensure the normal functioning of WI-FI throughout the university.*

*The conclusions of the EEC on the criteria of the standard "Teaching staff" for the OP 5V080100 / 6V08101, 6M080100 / 7M08101- "Agronomy", 5V080800 / 6V08102, 6M080800 / 7M08102- "Soil science and agricultural chemistry", 5V080600 / 6B08501- 6M0M, 6M008001-6M and technology ": strong - 4, satisfactory - 4, implies improvement - 2.*

## **6.9. STANDARD "PUBLIC INFORMATION"**

### **EVIDENCE PART**

The University regularly informs the public and key stakeholders about all aspects of their activities, conditions and features of the implementation of educational programs, within the framework of existing accreditations and licenses.

Information on the activities of the university is carried out by the press service of the KSU named after S. Ualikhanov through publications, television broadcasts, interviews, and advertising image production. The activities of the university are constantly covered on the local television channel Koksha (<http://kokshetautv.kz>).

The university has various information services, student support and feedback, each of which has its own functions. On the principle of openness and accessibility to the public, the university openly publishes information on its activities, the rules for admission of applicants, educational programs, terms and forms of study, international programs and partnerships of the university, the advantages of the university and each faculty, information on the employment of graduates, feedback from graduates, on events and successes of students, contact information and other useful information for applicants on various information media.

Sources of information on the activities of the university and the implementation of educational programs for interested parties are the headings "University", "Applicant", "Education" and "Student Life" on the University website <http://www.kgu.kz>.

The university's official page operates on a social network: VKontakte (kgu\_kz\_2017), Facebook (KguKz), Instagram (kgu.kz) and video hosting <https://www.youtube.com> (KSU named after S. Ualikhanov).

Regular questionnaires, the rector's forum on the university's website, the rector's personal reception, a helpline and trust boxes are mechanisms for studying the needs and expectations of students and dialogue with senior management.

Due to the equipping of each department with computers, laptops, office equipment and other technical teaching aids, each University teacher has the opportunity for independent access to information.

The constant use of e-mail by department staff, the regular receipt of messages and replies to them at the department's email address can significantly save time on reporting. Over the past 3 years, there has been an increase in student and faculty satisfaction with the availability and use of computer technology in training, which is associated with the opening of specialized classrooms and access to the Internet.

The University regularly takes part in various ratings of higher educational institutions of Kazakhstan, as well as in external assessment procedures.

### ***Analytical part***

An analysis of the information presented on the university's website showed that the University publishes complete and reliable information about its activities, the rules for admission of applicants, educational programs, the timing and form of training, contact and other information useful to applicants and students.

The university does not publish audited financial statements and information on employment opportunities for graduates.

Assessment of satisfaction with information about the activities of the university, the specifics and progress of the implementation of the EP is carried out annually by means of questionnaires, surveys, feedback, as well as through the blog of the rector.

A survey of students conducted during the visit of the EEC IAAR showed that satisfaction with the usefulness of the university website and informing students about courses, academic degrees and academic degrees is 87.9% and 87.1%, respectively.

### ***Strengths / Best Practices***

- *Provides timely, reliable and complete access to information;*
- *EP management demonstrates the existence of support procedures for various groups of students;*
- *Ensures compliance with safety requirements in the learning process.*

***VEC recommendations for the OP 5V080100 / 6V08101, 6M080100 / 7M08101- "Agronomy", 5V080800 / 6V08102, 6M080800 / 7M08102- "Soil science and agricultural chemistry", 5V080600 / 6V08501, 6M080600 / 7M08501- and "Agra" technology:***

- *To ensure publication on the university website of regularly updated relevant information on employment opportunities for graduates.*
- *To ensure the publication on the university website of audited financial statements.*

***The conclusions of the EEC on the criteria of the standard "Teaching staff" for the OP 5V080100 / 6V08101, 6M080100 / 7M08101- "Agronomy", 5V080800 / 6V08102, 6M080800 / 7M08102- "Soil science and agricultural chemistry", 5V080600 / 6B08501- 6M0M, 6M008001-6M and technology ": strong - 7, satisfactory - 4, implies improvement - 2.***

## **6.10. STANDARD "STANDARDS IN THE SPECIFICITY OF SEPARATE SPECIALTIES**

### **EVIDENCE PART**

Development of educational programs 5B080100 / 6B08101, 6M080100 / 7M08101- "Agronomy", 5B080800 / 6B08102, 6M080800 / 7M08102- "Soil science and agrochemistry", 5B080600 / 6B08501, 6M080600 / 7M08501- and graduate students with the necessary technology and technology practical training.

The current state of training within the framework of the EP is supported by teaching materials, an annual update of the topic of dissertations, as well as the introduction of new elective disciplines, taking into account the recommendations of employers.

In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire skills based on theoretical training for students, the following activities are carried out:

- excursions to enterprises - an important stage in obtaining reliable information about the production cycle of the enterprise. During the tour, discussions are held with production managers, engineers and employees. Students get acquainted with the production process of the enterprise, the work of the staff, get an idea about the future profession;
- conducting classes at enterprises of specialization;
- Conducting training seminars in conjunction with manufacturing enterprises in order to improve the professional level of the faculty.

In the framework of OP 5V080100 / 6V08101, 6M080100 / 7M08101- "Agronomy", excursions are held at Zerenda Astyk LLP, Kazakh Institute of Animal Husbandry and Plant

Growing LLP, State Institution “Department of Agriculture of the Yereymentau District of Akmola Region”, State Institution Akmola Regional Inspectorate for variety testing of crops of the Ministry of Agriculture of the Republic of Kazakhstan and others.

Within the framework of OP 5V080800 / 6V08102, 6M080800 / 7M08102- “Soil Science and Agrochemistry”, excursions are held at Atameken-Agro LLP, Atameken-Agro-Tselinniy LLP, Birlik farm, Poltavka-2 LLP and others.

Within the framework of 5B080600 / 6B08501, 6M080600 / 7M08501- “Agricultural equipment and technology”, excursions are held at OJSC “Agrotechmash”, FC “Agromir”, LLP “Esil-Agro”, LLP “Yantar” and others.

Conducting classes at specialization enterprises provides the opportunity for professional communication with practitioners with experience in real production conditions. Such interaction is realized through the opening of branches of departments at enterprises and organizations corresponding to the profile of specialist training.

According to the OP 5V080100 / 6V08101, 6M080100 / 7M08101- "Agronomy", the branch of the department operates on the basis of the Burabay State Scientific Production Enterprise and the Elite Scientific and Practical Center.

According to the OP 5V080800 / 6V08102, 6M080800 / 7M08102- “Soil Science and Agrochemistry”, the branches of the department operate on the basis of Zelenstroy LLP in Kokshetau and the Department of Land Cadastre and Technical Real Estate Inspection, a branch of the State Corporation “Government for Citizens” NAO in the Akmola region.

According to the OP 5V080600 / 6V08501, 6M080600 / 7M08501- “Agricultural machinery and technology”, the department branches operate on the basis of Eurasia Group Kazakhstan LLP and Gormolzavod LLP.

In order to approximate theory with practice and quickly adapt graduates to the professional environment, teaching practitioners are involved in teaching on accredited educational programs. All involved specialists have basic education, practical experience, and high qualifications.

Monitoring the impact of innovation in the educational process on learning outcomes is carried out at various levels. At the departments - through the system of mutual attendance of training sessions, discussions at methodological seminars. At the university - through attending master classes organized by the faculty, advanced training of teaching staff in courses and trainings.

In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire practical skills on the basis of theoretical training, the education program provides for various types of practices: educational, industrial, and undergraduate. All types of practices are conducted in accordance with the standard curriculum, according to the academic calendar. The departments concluded agreements for professional practice, which defined the responsibilities of the departments, the base enterprise and students. The departments developed guidelines for organizing and conducting practices, training programs. Students undergo practice in accordance with the order of the rector, which indicates the base of practice, the timing of its passage and the heads of practice from the institution. At the end of the practice, students submit reports in the approved form.

In order to find employment and career guidance, communication with graduates is supported by advisers who periodically hold round tables, Open Days and curatorial hours with undergraduate students.

An annual job fair is held with the aim of establishing relations with enterprises, identifying the staffing needs of domestic business, as well as employing university graduates.

### ***Analytical part***

An analysis of the feedback of employers and heads of training and production practices on accredited educational programs indicates that there is a pronounced practical orientation of special disciplines.

Teaching in educational programs is not always conducted using modern pedagogical technologies. The Commission notes the need for regular discussions on the latest teaching methods and technologies for accredited EPs based on the latest achievements of world science and practice in the field of specialization.

Also, during an interview with students, it turned out that students using accredited EPs do not currently use modern information and communication technologies in the educational process. One of the priorities in the process of informatization of modern society is the informatization of education, which is a system of methods, processes and software and hardware integrated with the aim of collecting, processing, storage, dissemination and use of information. The use of information and communication technologies helps to arouse students' interest in the subject, to intensify their educational and cognitive activities.

***Strengths / Best Practices***

***- the presence in the accredited EP of disciplines aimed at obtaining students practical experience in applying theoretical knowledge.***

***VEC recommendations for the OP 5V080100 / 6V08101, 6M080100 / 7M08101- "Agronomy", 5V080800 / 6V08102, 6M080800 / 7M08102- "Soil science and agricultural chemistry", 5V080600 / 6V08501, 6M080600 / 7M08501- and "Agra" technology:***

***- Introduce dual training in accredited educational programs 5B080600 Agricultural machinery and technology, 5B080100- Agronomy, 5B080800- Soil science and agricultural chemistry.***

***- To ensure the use of modern information technologies in the process of implementing the accredited EP, in particular, the capabilities of the MOOC platform, distance learning, and modern training programs.***

***The conclusions of the EEC on the criteria of the standard "Teaching staff" for the OP 5V080100 / 6V08101, 6M080100 / 7M08101- "Agronomy", 5V080800 / 6V08102, 6M080800 / 7M08102- "Soil science and agricultural chemistry", 5V080600 / 6B08501- 6M0M, 6M008001-6M and technology ": strong - 0, satisfactory - 5, implies improvement - 0.***

## **(VI) OVERVIEW OF STRENGTHS / BEST PRACTICE BY EACH STANDARD**

### **Standard "Management of the educational program"**

- EP management attracts representatives of stakeholder groups, including employers and teaching staff, to formulate the EP development plan;
- EP management strives to ensure that progress made since the last external quality assurance procedure was taken into account in preparation for the next procedure.
- OP 5V080600 / 6M080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800 / 6M080800- Soil science and agricultural chemistry have a high external assessment of the society, rating agencies, etc.

### **Standard "Information Management and Reporting"**

- The university in the collection and analysis of information takes into account key performance indicators, the dynamics of the contingent of students in the context of forms and types, level of performance, student achievement and expulsion;
- According to the OP 5V080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800- Soil science and agrochemistry, students are highly satisfied with the implementation of EP and the quality of training;
- Students, employees and faculty confirm their consent to the processing of personal data;

### **Standard "Development and approval of the educational program"**

- according to the OP Agronomy, the presence of a 3-level training system.
- determined and documented procedures for the development of EP and their approval at the institutional level;
- the presence of developed models of the graduate of OP;
- According to OP 5V080600 / 6M080600 - Agricultural machinery and technology, 5V080100 / 6M080100 - Agronomy, 5V080800 / 6M080800 - Soil science and agricultural chemistry, a wide base of practices that provide practical training for students
- The content of educational disciplines and the results of training at the level of training is provided.

### **Standard "Continuous monitoring and periodic evaluation of educational programs"**

- accredited EPs are systematically evaluated and improved by stakeholders, collegial bodies of the university, thereby ensuring the quality content of the OP.
- systematically monitors the load, performance and graduation of students.
- leadership of the university, educational programs available to students, faculty, members of the public

### **Standard "Student-centered Learning, Teaching and Assessment"**

- the existence of a procedure for responding to student complaints.
- equal opportunities for students regardless of the language of instruction

### **Standard "Learners"**

- Graduates of OP 5V080600 / 6M080600 - Agricultural machinery and technology, 5V080100 / 6M080100 - Agronomy, 5V080800 / 6M080800 - Soil science and agricultural chemistry are in demand in the region and have a high percentage of employability in the specialty;
- OP 5V080600- Agricultural machinery and technology, 5V080100 / 6M080100- Agronomy, 5V080800- Soil science and agrochemistry have a positive growth dynamics of the student body;
- The university provides graduates of EP with documents confirming qualifications, including achieved learning outcomes.

### **Standard "Faculty"**

- *The university has an objective and transparent personnel policy, including hiring, professional growth and staff development, ensuring the professional competence of the entire staff;*
- *the staff potential of teaching staff corresponds to the development strategy of the university and the specifics of the academic program;*
- *EP management is aware of the responsibility for its employees and provides favorable working conditions for them;*
- *The university actively motivates the professional and personal development of teachers of EP, encourages the integration of scientific activity and education, as well as the use of innovative teaching methods.*

***Standard “Educational Resources and Student Support Systems”***

- *availability of sufficient material and technical base;*
- *availability of library resources.*

***Public Awareness Standard***

- *Provides timely, reliable and complete access to information;*
- *EP management demonstrates the existence of support procedures for various groups of students;*
- *Ensures compliance with safety requirements in the learning process.*

***Standard "Standards in the context of individual specialties"***

- *the presence in the accredited EP of disciplines aimed at obtaining students practical experience in applying theoretical knowledge.*



## **(vii) REVIEW OF QUALITY IMPROVEMENT RECOMMENDATIONS BY EACH STANDARD**

### **Standard "Management of the educational program"**

- using the experience of the university in risk management, apply this system in the development of educational programs.
- to provide managers of educational institutions with the passage of management courses in education.

### **Standard "Information Management and Reporting"**

- to improve the mechanism of communication and interaction of EP management with faculty and students and other interested parties.

### **Standard "Development and approval of the educational program"**

- carry out work on preparing students for professional certification in the context of EP at graduating departments;
- the leadership of the university to provide measures for the practical implementation of joint educational programs 5B080600 / 6M080600 - Agricultural machinery and technology, 5B080100 / 6M080100 - Agronomy, 5B080800 / 6M080800 - Soil science and agricultural chemistry with domestic and foreign educational organizations.

### **Standard "Continuous monitoring and periodic evaluation of educational programs"**

- provide information on any actions in relation to the OP and publish all the changes made on the website and other information resources of the university.

### **Standard "Student-centered Learning, Teaching and Assessment"**

- introduce an additional trajectory into the content of accredited postgraduate study programs in order to provide students with a choice.
- EP management to provide advanced training of teaching staff in the field. assessment of learning outcomes in accordance with changes in the regulations of the Republic of Kazakhstan

### **Standard "Learners"**

- increase the number of undergraduate and graduate students participating in programs for the development of internal and external academic mobility.
- to attract students more widely to research activities, in particular through participation in scientific competitions, contests, and the implementation of funded scientific topics.
- develop a mechanism and implement a system of support for gifted students;

### **Standard "Faculty"**

- Strengthen the work on academic mobility of teaching staff (increase the number of teaching staff participating in academic mobility programs by 10%) and attracting the best foreign and domestic teachers.
- To ensure the active use of teaching staff of information and communication technologies (Internet resources, mobile learning, etc.) in the educational process.

### ***Standard "Educational Resources and Student Support Systems"***

- *To provide modern information resources on the profile of the OP.*
- *Ensure the normal functioning of WI-FI throughout the university.*

***Public Awareness Standard***

- ***To ensure publication on the university website of regularly updated relevant information on employment opportunities for graduates.***
- ***To ensure the publication on the university website of audited financial statements.***

***Standard "Standards in the context of individual specialties"***

- ***Introduce dual training in accredited educational programs 5B080600 Agricultural machinery and technology, 5B080100- Agronomy, 5B080800- Soil science and agricultural chemistry.***
- ***To ensure the use of modern information technologies in the process of implementing the accredited EP, in particular, the capabilities of the MOOC platform, distance learning, and modern training programs.***



## SPECIALIZED PROFILE PARAMETERS

№ п\п	№ п\п	Criteria for evaluation	Education Organization Position			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
<b>Standard "Management of the educational program"</b>						
1	1.	The university must have a published quality assurance policy.	+			
2	2.	Quality assurance policies should reflect the link between research, teaching and learning.	+			
3	3.	The university should demonstrate the development of a culture of quality assurance, including in the context of EP.		+		
4	4.	A commitment to quality assurance should apply to any activity carried out by contractors and partners (outsourcing), including in the implementation of joint / double degree education and academic mobility.	+			
5	5.	EP management ensures transparency in the development of EP development plan based on the analysis of its functioning, the real positioning of the university and its focus on meeting the needs of the state, employers, interested persons and students.	+			
6	6.	The EP leadership demonstrates the functioning of the mechanisms for the formation and regular review of the OP development plan and monitoring its implementation, assessing the achievement of learning goals, meeting the needs of students, employers and society, making decisions aimed at continuous improvement of the EP.	+			
7	7.	EP management should involve representatives of stakeholder groups, including employers, students and faculty members, in the development of EP development plan.	+			
8	8.	EP management must demonstrate the individuality and uniqueness of the EP development plan, its consistency with national development priorities and the development strategy of the educational organization.	+			
9	9.	The university should demonstrate a clear definition of those responsible for business processes within the framework of the EP, an unambiguous distribution of the duties of the staff,		+		

		and delimitation of the functions of collegial bodies.				
10	10.	EP management must provide evidence of the transparency of the educational program management system.		+		
11	11.	EP management must demonstrate the successful functioning of the internal quality assurance system of the EP, including its design, management and monitoring, their improvement, and decision-making based on facts.		+		
12	12.	EP management must manage risk.			+	
13	13.	EP management should ensure the participation of representatives of interested parties (employers, teaching staff, students) in the collegial bodies of the educational program management, as well as their representativeness in making decisions on educational program management.		+		
14	14.	The university should demonstrate innovation management within the framework of the EP, including the analysis and implementation of innovative proposals.		+		
15	15.	EP management should demonstrate evidence of openness and accessibility for students, faculty, employers and other interested parties.	+			
16	16.	EP management must be trained in education management programs.			+	
17	17.	EP management should strive to ensure that progress made since the last external quality assurance procedure was taken into account in preparation for the next procedure.	+			
<b>Total standard</b>			<b>9</b>	<b>6</b>	<b>2</b>	
<b>Standard “Information Management and Reporting”</b>						
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.	EP management must demonstrate the systematic use of processed, adequate information to improve the internal quality assurance system.	+			
20	3.	Within the framework of EP, there should be a system of regular reporting, reflecting all levels of the structure, including an assessment of the effectiveness and efficiency of the departments and departments, and scientific research.	+			
21	4.	The university should establish the frequency, forms and methods of evaluating the management of EP, the activities	+			

		of collegial bodies and structural divisions, senior management, and the implementation of scientific projects.				
22	5.	The university should demonstrate the definition of the order and ensuring the protection of information, including the definition of responsible persons for the accuracy and timeliness of the analysis of information and the provision of data.		+		
23	6.	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.		+		
24	7.	EP management should demonstrate the existence of a communication mechanism with students, employees and other interested parties, including the existence of conflict resolution mechanisms.		+		
25	8.	The university should provide a measure of the degree of satisfaction of the needs of faculty, staff and students in the framework of the EP and demonstrate evidence of elimination of the discovered deficiencies.	+			
26	9.	The university should evaluate the effectiveness and efficiency of activities, including in the context of EP.		+		
		Information collected and analyzed by the university should take into account:				
27	10.	key performance indicators;	+			
28	11.	the dynamics of the contingent of students in the context of forms and types;	+			
29	12.	level of academic achievement, student achievement and expulsion;	+			
30	13.	students' satisfaction with the implementation of the academic program and the quality of education at the university;	+			
31	14.	the availability of educational resources and support systems for students;	+			
32	15.	employment and career growth of graduates.	+			
33	16.	Students, employees and faculty must document their consent to the processing of personal data.	+			
34	17.	EP management should facilitate the provision of all		+		

		necessary information in relevant fields of science.				
<b>Total standard</b>			<b>11</b>	<b>6</b>	<b>0</b>	
<b>Standard "Development and approval of educational programs"</b>						
35	1.	The university should determine and document the procedures for the development of EP and their approval at the institutional level.	+			
36	2.	EP management should ensure that developed EPs are consistent with established goals, including intended learning outcomes.	+			
37	3.	EP management should ensure the availability of developed models of the graduate of the EP that describe the learning outcomes and personal qualities.		+		
38	4.	EP management must demonstrate that it conducts external reviews of the EP.		+		
39	5.	The qualifications obtained upon completion of the EP must be clearly defined, explained and consistent with a certain level of NSC.	+			
40	6.	EP management should determine the impact of disciplines and professional practices on the formation of learning outcomes.	+			
41	7.	An important factor is the ability to prepare students for professional certification.			+	
42	8.	EP management must provide evidence of the participation of students, faculty and other stakeholders in the development of EP, ensuring their quality.		+		
43	9.	The complexity of the EP should be clearly defined in Kazakhstan loans and ECTS.		+		
44	10.	EP management should ensure the content of academic disciplines and learning outcomes for the level of training (bachelor's, master's, doctoral).		+		
45	11.	The structure of the EP should provide for various types of activities corresponding to the learning outcomes.	+			
46	12.	An important factor is the presence of joint educational institutions with foreign educational organizations.			+	
<b>Total standard</b>			<b>5</b>	<b>5</b>	<b>2</b>	
<b>Standard "Continuous monitoring and periodic evaluation of educational programs"</b>						
47	1.	The university should conduct monitoring and periodic	+			

		assessment of the EP in order to ensure the achievement of the goal and meet the needs of students and society. The results of these processes are aimed at continuous improvement of the OP.				
		Monitoring and periodic assessment of EP should consider:				
48	2.	the content of the programs in the light of the latest achievements of science in a particular discipline to ensure the relevance of the taught discipline;		+		
49	3.	changes in the needs of society and the professional environment;		+		
50	4.	load, academic performance and graduation of students;	+			
51	5.	the effectiveness of student assessment procedures;	+			
52	6.	students' expectations, needs, and satisfaction with learning in EP;	+			
53	7.	educational environment and support services, and their compliance with the goals of the EP.	+			
54	8.	The university and the EP management must provide evidence of the participation of students, employers and other stakeholders in the revision of the EP.		+		
55	9.	All interested parties should be informed of any planned or taken actions regarding the OP. All changes made to the OP should be published.			+	
56	10.	EP management should ensure that the content and structure of the EP are reviewed taking into account changes in the labor market, requirements of employers and the social request of the company.		+		
<b>Total standard</b>			<b>5</b>	<b>4</b>	<b>1</b>	
<b>Standard "Student-centered Learning, Teaching and Assessment"</b>						
57	1.	EP management should ensure respect and attention to various groups of students and their needs, providing them with flexible learning paths.			+	
58	2.	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 teaching methods of educational disciplines of EP.		+		
60	4.	EP management should demonstrate the existence of a feedback system for the use of various teaching methods and		+		

		assessment of learning outcomes.				
61	5.	EP management should demonstrate support for students' autonomy while guiding and assisting the teacher.		+		
62	6.	EP management should demonstrate the existence of a procedure for responding to student complaints.	+			
63	7.	The university should ensure the consistency, transparency and objectivity of the mechanism for assessing learning outcomes for each EP, including the appeal.	+			
64	8.	The university should ensure that the procedures for evaluating the learning outcomes of students of EP study are in line with the planned learning outcomes and program objectives. Evaluation criteria and methods within the framework of the EP should be published in advance.	+			
65	9.	The university should determine the mechanisms for ensuring the mastery of each learning outcome by each graduate of the study program and ensure the completeness of their formation.	+			
66	10.	Evaluators must be proficient in modern methods of assessing learning outcomes and regularly improve their skills in this area.			+	
<b>Total standard</b>			<b>5</b>	<b>3</b>	<b>2</b>	
<b>Standard "Learners"</b>						
67	1.	The university should demonstrate a policy for the formation of the contingent of students from admission to graduation and ensure the transparency of its procedures. Procedures governing the life cycle of students (from admission to completion) must be defined, approved, published.	+			
68	2.	EP management should demonstrate the implementation of special adaptation and support programs for newly arrived and foreign students.		+		
69	3.	The university must 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.	EP management should demonstrate the existence and	+			



		application of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal learning.				
72	6.	The university should provide an opportunity for external and internal mobility of students of EP, as well as assist them in obtaining external grants for training.			+	
73	7.	EP management should make every effort to provide students with places of practice, facilitate the employment of graduates, and maintain contact with them.	+			
74	8.	The university should provide graduates of the study program with documents confirming the qualifications obtained, including the results of training, as well as the context, content and status of the education and evidence of completion.		+		
75	9.	An important factor is the monitoring of employment and professional activities of graduates of EP.	+			
76	10.	EP management 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 existing alumni / association.	+			
78	12.	An important factor is the availability of a support mechanism for gifted students.		+		
<b>Total standard</b>			<b>6</b>	<b>4</b>	<b>2</b>	
<b>Standard "Faculty"</b>						
79	1.	The university should have an objective and transparent personnel policy, including hiring, professional growth and staff development, ensuring the professional competence of the entire staff.	+			
80	2.	The university should demonstrate the compliance of the staff potential of the teaching staff with the development strategy of the university and the specifics of the academic program.		+		
81	3.	EP management should demonstrate awareness of responsibility for its employees and ensure favorable working conditions for them.	+			
82	4.	EP management should demonstrate a change in the role of the teacher in connection with the transition to student-centered learning.		+		

83	5.	The university should determine the contribution of faculty staff to the implementation of the development strategy of the university, and other strategic documents.		+		
84	6.	The university should provide opportunities for career growth and professional development of faculty staff.	+			
85	7.	EP management should involve practitioners in relevant industries in teaching.		+		
86	8.	EP management should provide targeted action to develop young teachers.	+			
87	9.	The university should demonstrate the motivation for the professional and personal development of teachers of EP, including encouraging the integration of scientific activity and education, as well as the use of innovative teaching methods.	+			
88	10.	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.).			+	
89	11.	An important factor is the development of academic mobility in the framework of EP, the involvement of the best foreign and domestic teachers.			+	
90	12.	An important factor is the involvement of teaching staff in public life (the role of teaching staff in the education system, in the development of science, the region, the creation of a cultural environment, participation in exhibitions, creative contests, charity programs, etc.).	+			
<b>Total standard</b>			<b>6</b>	<b>4</b>	<b>2</b>	
<b>Standard “Educational Resources and Student Support Systems”</b>						
91	1.	EP management must demonstrate the adequacy of material and technical resources and infrastructure.		+		
92	2.	EP management should demonstrate the existence of support procedures for various groups of students, including information and counseling.	+			
		EP management must demonstrate compliance of information resources with EP specifics, including compliance with:				
93	3.	technological support for students and faculty in accordance with educational programs (for example, online training, modeling, databases, data analysis programs);			+	

94	4.	library resources, including a fund of educational, methodological and scientific literature on general education, basic and majors in paper and electronic media, periodicals, access to scientific databases;	+			
95	5.	examination of the results of research, final works, dissertations on plagiarism;		+		
96	6.	access to educational Internet resources;	+			
97	7.	WI-FI functioning in the territory of the educational organization.			+	
98	8.	The university should strive to ensure that the educational equipment and software used to master the educational program are similar to those used in the relevant industries.		+		
99	9.	The university must ensure compliance with safety requirements in the learning process.	+			
100	10.	The university should strive to take into account the needs of various groups of students in the context of EP (adults, workers, foreign students, as well as students with disabilities).		+		
<b>Total standard</b>			<b>4</b>	<b>4</b>	<b>2</b>	
<b>Public Awareness Standard</b>						
		Information published by the university within the framework of the EP should be accurate, objective, relevant and should include:				
101	1.	ongoing programs indicating expected learning outcomes;	+			
102	2.	information about the possibility of qualification at the end of the EP;	+			
103	3.	information on teaching, training, assessment procedures;		+		
104	4.	information about passing grades and educational opportunities provided to students;		+		
105	5.	information on job opportunities for graduates.			+	
106	6.	EP management should use a variety of methods of disseminating information (including media, web resources, information networks, etc.) to inform the general public and interested parties.	+			
107	7.	Public awareness should include support and clarification of national development programs of the country and the system of higher and postgraduate education.	+			

108	8.	The university should publish audited financial statements on its own web resource.			+	
109	9.	The university should demonstrate the reflection on the web resource of information characterizing the university as a whole and in the context of EP.		+		
110	10.	An important factor is the availability of adequate and objective information about the faculty of education, in terms of personalities.	+			
111	11.	An important factor is informing the public about cooperation and interaction with partners within the framework of EP, including with scientific / consulting organizations, business partners, social partners and educational organizations.	+			
112	12.	The university should post information and links to external resources based on the results of external evaluation procedures.		+		
113	13.	An important factor is the participation of the university and implemented EPs in various external assessment procedures.	+			
<b>Total standard</b>			<b>7</b>	<b>4</b>	<b>2</b>	
Standards in the context of individual specialties						
NATURAL SCIENCES, AGRICULTURAL SCIENCES, TECHNICAL SCIENCES, AND TECHNOLOGIES						
		Educational programs in the areas of "Natural Sciences", "Technical Sciences and Technologies", such as "Physics", "Computer Science", etc., must meet the following requirements:				
114	1.	In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire skills based on theoretical training, the education program should include disciplines and activities aimed at gaining practical experience and skills in the specialty in general and majors in particular, in t .h .:		+		
115	2.	- excursions to enterprises in the field of specialization (factories, workshops, research institutes, laboratories, educational and experimental farms, etc.),		+		
116	3.	- conducting individual classes or entire disciplines at the enterprise of specialization,		+		
117	4.	- conducting seminars to solve practical problems relevant for enterprises in the field of specialization, etc.		+		

118	5.	The teaching staff involved in the education program should include full-time teachers who have long-term experience as full-time employees in enterprises in the field of specialization of the education program.		+		
Total standard			<b>0</b>	<b>5</b>	<b>0</b>	
TOTAL			<b>58</b>	<b>45</b>	<b>15</b>	

