



«АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

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

6B05102-Biotechnology and 7M05101-Veterinary biotechnology

JSC "Kazakh Agrotechnical Research University named after S.Seifullin"

in the period from October 14 to October 16, 2024

INDEPENDENT ACCREDITATION AND RATING AGENCY
External Expert Commission

***Addressed to
Accreditation
IAAR Council***



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Astana city

"16" October 2024

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(I) LIST OF SYMBOLS AND ABBREVIATIONS

MSHE RK – Ministry of Science and Higher Education of the Republic of Kazakhstan;
MA RK – Ministry of Agriculture of the Republic of Kazakhstan;
KATRU – Kazakh Agrotechnical Research University named after S.Seifullin;
SCES – State compulsory educational standards;
IAAR – Independent Agency for Accreditation and Rating;
SRW – scientific research work;
SRW – student research work;
RWMS – research work of a master's student;
PTS – professorial and teaching staff;
GED – general education disciplines;
BD – basic disciplines;
MD – major disciplines;
FSC – final state control;
AIC – agro-industrial complex;
SRI – scientific research institute;
EMK – educational and methodological complex;
EMKD – educational and methodological complex of the discipline;
WC – working curriculum;
CED – catalog of elective disciplines;
IEP – individual educational plan;
MEP – modular educational program;
BK – border control;
IR – final control;
CC – current control;
AIS – automated information system;
IT – information technology;
SWOT – Strengths Weakness Opportunities Threats;
ECTS – European Credit Transfer System;
QS – Quacquarelli Symonds
RSOE – republican state-owned enterprise;
UNT – Unified National Testing;

(II) INTRODUCTION

In accordance with order № 134-24-OD dated September 6, 2024 of the General Director of the Independent Agency for Accreditation and Rating, from October 14 to 16, 2024, an external expert commission conducted an assessment of the conformity of educational programs 6B05102-Biotechnology and 7M05101-Veterinary biotechnology JSC "Kazakh Agrotechnical Research University named after S.Seifullin"(Astana) standards of specialized accreditation of educational programs of higher and postgraduate education of the IAAR (№ 57-20-OD of 16.06.2020, sixth edition).

The report of the external expert commission (EEC) contains an assessment of the submitted educational programs against the criteria of the IAAR standards, the EEC recommendations for further improvement of educational programs and the parameters of the profile of educational programs.

Composition of the EEC:

Chairman of the EEC –Turtkaraeva Gulnara Bayanovna, member of the Expert Council for Higher Education of the IAAR, candidate of pedagogical sciences, associate professor, Kokshetau University named after Shokan Ualikhanov (Kokshetau);*Offline participation*

IAAR Foreign Expert– Starciuc Nicolae, dr. PhD, Professor State Agrarian University of Moldova (SAUM); *On-line participation*

IAAR Foreign Expert– Bratsikhin Andrey Aleksandrovich, Doctor of Technical Sciences, Rector of the Federal State Budgetary Educational Institution of Higher Education “Izhevsk State Agricultural Academy” (Izhevsk, Udmurt Republic, Russian Federation); *On-line participation*

IAAR Expert –Nurgaliev Akyzbek Muratovich, PhD in Agriculture, Associate Professor, West Kazakhstan Agrarian and Technical University named after Zhangir Khan (Uralsk, Republic of Kazakhstan); *Offline participation*

IAAR Expert –Taeva Aigul Maratovna, D.Sc. (Eng.), Associate Professor, Almaty Technological University (Almaty); *Off-line participation*

IAAR Expert –Dzhulanov Mardan Nurmukhanbetovich, Doctor of Veterinary Sciences, Professor, Kazakh National Agrarian University (Almaty); *Offline participation*

IAAR Expert –Shkutina Larisa Arnoldovna, Doctor of Pedagogical Sciences, Professor, Karaganda Buketov University (Karaganda); *Off-line participation*

IAAR Expert –Oshakbaeva Zhuldyz Oryntaykyzy, Ph.D., Associate Professor, Private Institution “Kostanay Engineering and Economic University named after M. Dulatov” (Kostanay);*Offline participation*

IAAR Expert –Usenova Lyaylya Maulutkanovna, candidate of veterinary sciences, associate professor of NJSC “Toraigyrov University” (Pavlodar); *Off-line participation*

IAAR Expert –Nurzhanova Kulsara Halimardenovna, Candidate of Agricultural Sciences, Associate Professor, NJSC Shakarim University of Semey (Semey); *Off-line participation*

IAAR Expert, Employer –Sandybaeva Dinara Aidarovna, Deputy Director for Academic Affairs, North Kazakhstan Professional Pedagogical College (Petropavlovsk);*On-line participation*

IAAR Expert, Employer –Zhantleuov Daniyar Amangeldinovich, candidate of agricultural sciences, employee of the North Kazakhstan Research Institute of Animal Husbandry and Plant Growing (Petropavlovsk);

IAAR Expert, Student -Monko Fedor Sergeevich, 3rd year student, EP 6B05201 Ecology, Kostanay Regional University named after Akhmet Baitursynuly (Kostanay); *On-line participation*

IAAR Expert, Student –Beknazar Raushan Rakhymkyzy, 2nd year Master's student of the program "Technology and Engineering of Food Production" International Engineering and Technology University (Almaty); *On-line participation*

IAAR Expert, Student -Karagulov Rasul Nysanbayuly, 3rd year student of the EP 6B09103 "Veterinary Science", West Kazakhstan Innovation and Technology University (Uralsk); *On-line participation*

IAAR Expert, Student -Kairat Aruzhan Ilyaskyzy, 4th year student of the Biotechnology program, Aktobe Regional University named after K. Zhubanov (Aktobe); *On-line participation*

IAAR expert, student- Ostrovskaya Maria Alekseevna, student of the 3rd North Kazakhstan University named after M. Kozybaev (Petropavlovsk); On-line participation

IAAR expert, student- Abdykadyrova Aizat Tynchbekovna, 1st year master's student of the EP Professional Training, Kyrgyz National Agrarian University named after Scriabin (Bishkek);

IAAR EEC Coordinator- Bekenova Dinara Kairbekovna, project manager IAAR (Astana).



(III) PRESENTATION OF THE EDUCATIONAL ORGANIZATION

JSC "Kazakh Agrotechnical Research University named after S. Seifullin" (hereinafter referred to as the University) is the largest university in Central and Northern Kazakhstan in the agricultural sector.

Founded in 1957 as the Akmola Agricultural Institute. Over 65 years of operation, KATRU has trained and graduated more than 79 thousand specialists and bachelors for agriculture and other sectors of the economy.

The university implements 136 educational programs at three levels of training: 52 - bachelor's degree, 51 - master's degree, 33 - doctoral degree. More than 33 percent of educational programs are innovative or double-degree.

Since 2024, the university has introduced post-doctoral studies - a new branch in the training of scientists. It is aimed at improving the qualifications of scientists and developing projects implemented at the university.

In the international ranking QS World University 2025, among 5663 world universities, KATRU entered the top 1200+.

The position in the QS Asia University Rankings is 351. Among the best universities in Central Asia, the university ranks 19th.

In 2023, the university underwent its first audit by the British rating agency QuacquarelliSymonds, according to which it was awarded an overall high rating of 4 stars.

The university's position in the QS World Sustainability Rankings is 1051, and according to the sustainable development goal "Environmental Impact", the university ranks 535.

For the first time in 2023, the university took part in the UI Green Metric World University Rankings and took 934th place.

According to the results of the General Rating of the TOP-20 Universities of the Republic of Kazakhstan in 2024, conducted annually by the Independent Agency for Accreditation and Rating (IAAR), the university entered the top three best universities in the Republic of Kazakhstan.

Since January 1, 2023, the journal "Bulletin of Science of the Kazakh Agrotechnical Research University named after S. Seifullin" has been transformed by dividing the journal into two series, thus, 2 series are published in KATRU named after S. Seifullin:

1 "Bulletin of Science of the Kazakh Agrotechnical Research University named after S. Seifullin: Interdisciplinary";

2 "Bulletin of Science of the Kazakh Agrotechnical Research University named after S. Seifullin: Veterinary Sciences".

The aim of creating a new series on veterinary sciences is the gradual inclusion of the journal in the international Scopus database.

In the 2023-2024 academic year, within the framework of the "500 Scientists" project of the Bolashak Center for International Programs, 36 representatives of the KATRU faculty became recipients of grants for scientific internships.

The students of the university actively participate in various competitions: the winner of the Grand Prix "Zhastar zhalyny-2024"; the student theater "Akzhelken" of the university took first place at the republican festival of student theaters "III Umit-2024", Uralsk; 3rd place in the KVN games of the Republican League "Nomad" in Kokshetau; students of the Club "KATZU Media" took 3rd place in the city video competition and others;

Accredited educational programs 6B05101 "Biotechnology", 7M05101-Veterinary biotechnology are served by the Department of "Microbiology and Biotechnology" The Department of Microbiology and Biotechnology is part of the Faculty of Veterinary Science and Animal Husbandry Technology, and is located in two buildings of KATRU named after S.Seifullin (the 8th academic building and the 2nd building "Biotechnology building named after K.A.Sagadiev").

Training of personnel of EP 6B05101-Biotechnology, 7M05101-Veterinary Biotechnology at the university is carried out in accordance with the State License for educational activities in the field of higher and postgraduate education № KZ25LAA00035932 dated 11/30/2023 (07/02/2008) and applications to the license in the areas of educational activity.

The training of bachelors in "Biotechnology" began in 1999 in the state, Russian language, full-time education on the basis of general, secondary education. The first graduation in full-time education took place in 2004. The department is a graduating department in the direction of training 6B051, 7M051 - "Biological and related sciences". The main areas of the department are the training of bachelor's and master's degree personnel, as well as conducting scientific research in the field of biotechnology and veterinary science under the programs of "Program-targeted financing and grant financing". *History of the Department* presented on the page.

The department includes the accredited "Joint Kazakh-Chinese Laboratory for Biological Safety", 6 modern educational and scientific laboratories: "Microbiology", "Virology", "Biotechnology of Microorganisms", "Cellular Biotechnology", "Veterinary Biotechnology", "Plant Biotechnology", "Animal Biotechnology". The department conducts research work, which is carried out in the accredited "Joint Kazakh-Chinese Laboratory for Biological Safety", in the scientific and production platform of agricultural biotechnology. More than 50% of the faculty of the department actively participates in funded scientific projects.

According to the results of the National Ranking of Educational Programs of the NCE RK "Atameken"-2023 for groups of bachelor's degree educational programs 6B050 - "Biological and Related Sciences" (Biotechnology) took 1st place among 18 universities, the employment rate was 96%. [https://atameken.kz/ru/university_ratings?page=2&year=2023&ut=&epg=&speciality=22@ion=&sort=epg_asc&profile=.](https://atameken.kz/ru/university_ratings?page=2&year=2023&ut=&epg=&speciality=22@ion=&sort=epg_asc&profile=)

In the Independent Ranking of Demand for Universities of the Republic of Kazakhstan - 2023 conducted by the National University of Arkhangelsk "IAAR" in the direction of the State Educational Institution of Master's Degree M082-Biotechnology, it took -1 place, State Educational Institution B050-Biological and Related Sciences - 3 place. <https://kazatu.edu.kz/ru/pages/universitet/o-nas/dostizeniya-universiteta-v-rejtingah>

In 2022-2023, EP 6B05102-Biotechnology, 7M05101-Veterinary Biotechnology successfully passed post-accreditation monitoring.

From 2019 to 2024, the department's scientists completed funded projects (grant funding and PCF) for a total of 923,100,000 (project managers: Doctor of Veterinary Sciences, Professor Bulashev A.K., Candidate of Biological Sciences, Acting Professor Borovikov S.N., Candidate of Veterinary Sciences, Acting Professor Akibekov O.S.). To date, the department has 1 TPF program worth 600 million tenge, and 5 GF projects, 1 "Young Scientists" project.

In the period from 2019 to 2023, the department staff developed and published more than 200 scientific and educational publications, including 47 articles in journals recommended by the Committee for Control of Educational Institutions of the Ministry of Education and Science of the Republic of Kazakhstan; 32 articles in journals included in the international databases ISI Web of Knowledge, Thomson Reuters (non-zero impact factor), Scopus; 37 articles in the RSCI database; over 100 articles in the materials of international conferences, 7 patents, 8 certificates of implementation into production, 4 monographs.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

Accreditation for educational programs 6B05102-Biotechnology and 7M05101-Veterinary Biotechnology was held from November 26 to 28, 2019. During the accreditation process, the specialized accreditation standards of the IAAR (№ 10-17-OD dated February 24, 2017) were used. On December 24, 2019, at a meeting of the Accreditation Council of the IAAR, the following decision was made on accreditation of S. Seifullin Kazakh Agrotechnical Research University: - on international specialized re-accreditation of educational programs 6B05102-Biotechnology and 7M05101-Veterinary Biotechnology for a period of 5 years. The first post-accreditation monitoring took place on 08.11.2021 for EP 6B05102-Biotechnology and 7M05101-Veterinary biotechnology and on November 8, 2023, the second post-accreditation monitoring.

Based on the results of the EEC assessment for EP 6B05102-Biotechnology and 7M05101-Veterinary Biotechnology, the following recommendations were made:

Standard 1 "Management of the educational program"

Recommendation of the EEC: to intensify work on the implementation of joint educational programs with domestic and foreign universities, as well as training in a multilingual format in the accredited specialties of the cluster (100% completed)

Recommendation of the EEC: to promote the development of a system of support for academic internal and external mobility of teaching staff and students. (Recommendation implemented (100%).

Standard 4 "Continuous monitoring and periodic evaluation of educational programs"

Recommendation of the EEC: to establish work on the accredited educational programs of the cluster in the area of informing about any planned or undertaken actions in relation to the educational program, and also to publish them on the official website of the university for familiarization by interested parties (Degree of implementation 75%)

Standard 5: Student-Centered Learning, Teaching, and Assessment

Recommendation of the EEC: to intensify work on the development of educational, methodological manuals, textbooks (recommended by the UMO RUMS, the Textbook Center, etc.) in the state and English languages in special (professional) disciplines. (The recommendation has been implemented (90%).

Standard 6 "Students"

Recommendation of the EEC: to strengthen work on academic mobility of students through various sources in online or offline learning modes. (Recommendation implemented (100%).

Recommendation of the EEC: to improve the effectiveness of the work of the Alumni Association, the Career and Business Center in participating in the development of the EP and employment (Recommendation implemented (70%).

Standard 7 "Teaching staff"

Recommendation of the EEC: to develop and implement a long-term plan for the development of academic mobility of the teaching staff within the framework of the EP, and also to consider the possibility of conducting joint research with leading specialists from near and far abroad in the areas of the EP. (The recommendation has been implemented (100%).

Standard 8 "Educational resources and student support systems"

Recommendation of the EEC: take into account the needs of different groups of students, including the needs of students with special educational needs (organization of ramps, etc.). (Recommendation implemented (100%).

The analysis of the implementation of the recommendations of the EEC shows high results: most recommendations have been implemented 100% or close to it. Recommendations on international cooperation, academic mobility and taking into account the needs of students with special needs have been successfully implemented. This year, recommendations on monitoring educational programs have also been implemented 100%, as well as the work of the Alumni Association and the Career Center. In general, the university demonstrates a serious approach to improving the educational environment, which has a positive effect on the quality of education.

(V) DESCRIPTION OF THE EEC VISIT

The work of the EEC was carried out on the basis of the approved Program of the visit of the expert commission for specialized accreditation of the educational program.

In order to coordinate the work of the EEC, an online kick-off meeting was held on October 13, 2024, during which powers were distributed among the commission members, the visit schedule was clarified, and agreement was reached on the selection of examination methods for the assessed EPs.

In order to obtain objective information on the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, all events were held according to the program of the visit: meetings with the Chairman of the Board, vice-rectors of the university for areas of activity, heads of structural divisions, directors, heads of educational institutions, teaching staff, students, graduates, employers. A total of 249 representatives took part in the meetings (Table 1).

Table 1 – Information about the employees and students who took part in the meetings with the IAAR EEC according to the program:

Category of participants	Quantity
Chairman of the Board - Rector (acting)	1
Board Members - Vice-Rectors	6
Heads of structural divisions	27
Deans	3
Heads of Department	7
Teachers	55
Students	58
Graduates	54
Employers and representatives of the practice base	38
Total	249

The visual inspection was conducted in order to obtain a general idea of the University in terms of educational, scientific and methodological processes, material and technical base, creation of equal conditions and barrier-free access to educational services for students with special educational needs, determination of its compliance with standards, as well as for contacts with students and employees at their workplaces, library, gyms, medical center, etc.

During the work, the members of the EEC visited the following internship sites: JSC "National Center for Biotechnology", College of Service and Tourism, ASTANA POLYTECHNIC, JSC "Tselinnaya" delicacy factory and the Republican center for breeding in animal husbandry "Asyl tulik". These trips allowed experts to get acquainted with the real conditions and practical experience of students.

In accordance with the accreditation procedure, a survey of 75 teaching staff and 80 students was conducted.

In order to confirm the information presented in the Self-Assessment Report, the university's working documentation was requested and analyzed by external experts. In addition, the experts studied the university's online positioning through the official website of the university <https://kazatu.edu.kz/ru>

As part of the planned program, recommendations for improving the accredited educational programs of the S. Seifullin Kazakh Agrotechnical Research University, developed by the EEC based on the results of the examination, were presented at a meeting with the management on 16.10.2024.

(VI) COMPLIANCE WITH SPECIALISED ACCREDITATION STANDARDS

6.1. Standard "Management of the educational program"

- *The university must demonstrate the development of the goal and strategy for the development of the educational program based on the analysis of external and internal factors with the broad involvement of various stakeholders.*
 - *Quality assurance policies should reflect the relationship between research, teaching and learning.*
 - *The university demonstrates the development of a quality assurance culture.*
 - *Commitment to quality assurance must apply to all activities carried out by contractors and partners (outsourcing), including in the implementation of joint/dual degree education and academic mobility.*
 - *The management of the educational institution ensures transparency in the development of the educational institution's development plan based on an analysis of its functioning, the actual positioning of the university and the focus of its activities on meeting the needs of the state, employers, stakeholders and students.*
 - *The management of the educational institution demonstrates the functioning of mechanisms for the formation and regular revision of the educational institution development plan and monitoring of its implementation, assessment of the achievement of educational goals, compliance with the needs of students, employers and society, and decision-making aimed at the continuous improvement of the educational institution.*
 - *The leadership of the educational institution must involve representatives of stakeholder groups, including employers, students and teaching staff, in the formation of the educational institution's development plan.*
 - *The leadership of the educational institution must demonstrate the individuality and uniqueness of the educational institution's development plan, its consistency with national development priorities and the development strategy of the educational organization.*
 - *The university must demonstrate a clear definition of those responsible for business processes within the EP, the distribution of job responsibilities of personnel, and the delineation of the functions of collegial bodies.*
 - *The management of the EP ensures the coordination of the activities of all persons participating in the development and management of the EP and its continuous implementation, and also involves all interested persons in this process.*
 - *The management of the EP must ensure the transparency of the management system, the functioning of the internal quality assurance system, including its design, management and monitoring, and the adoption of appropriate decisions.*
 - *The management of the EP must implement risk management.*
 - *The management of the educational program must ensure the participation of representatives of interested parties (employers, teaching staff, students) in the collegial bodies managing the educational program, as well as their representativeness in decision-making on issues of managing the educational program.*
 - *The university must demonstrate innovation management within the framework of the EP, including the analysis and implementation of innovative proposals.*
 - *The leadership of the educational institution must demonstrate its openness and accessibility to teaching staff, employers and other interested parties.*
 - *The management of the EP confirms completion of training in educational management programs.*
 - *The management of the EP should ensure that the progress made since the last external quality assurance procedure is taken into account when preparing for the next procedure.*

Evidential part

The University manages educational programs through the systematization and formalization of current procedures within the framework of the internal quality assurance system. The University operates

[Quality Policy](#), [Guide to the internal quality assurance system in the JSC "Kazakh Agrotechnical Research University named after S.Seifullin" \(GIQAS 02.2070-2023\)](#), as well as a description of the processes in a series of internal university documents developed in the context of the quality management system. The quality policy is aimed at implementing the mission, vision and strategic development of the University and reflecting the relationship between research, teaching and learning.

[By the Decree of the Government of the Republic of Kazakhstan dated September 1, 2020 № 545](#)

The status of a research university was assigned to the non-profit joint-stock company "Kazakh Agrotechnical Research University named after S. Seifullin". The development program of the non-profit joint-stock company "Kazakh Agrotechnical Research University named after S. Seifullin" for 2025-2029 was approved by the decision of the Board of Directors of JSC "Kazakh Agrotechnical Research University named after S. Seifullin", protocol № 4 dated May 29, 2024.

The mission of KATRU is to become a leader in the quality and accessibility of education, a global center for interdisciplinary research and scientific development. The main components of the university's development are: an academic system based on research activities and the production of new knowledge; accessible, high-quality and multi-age education; maximizing the impact on society and the economy.

To manage educational programs in the context of a quality assurance culture, various documents are used that regulate key processes such as: [Academic policy](#) approved by the decision of the Academic Council, protocol № 11, dated March 26, 2020, amended by the decision of the Academic Council, protocol No. 19 dated August 31, 2022; [Regulations on the Faculty Council for Academic Quality](#); [Regulations on the Academic Council](#); [The procedure for organizing, conducting and monitoring classroom and extracurricular activities](#); [The procedure for preparing educational and methodological literature for publication](#); [SO QMS Structure, content, procedure for development and approval of the electronic educational and methodological complex of the discipline](#); [Regulations on the organization of the educational process on distance learning technologies at S.Seifullin KATU](#); [Procedure for organizing and conducting practical training of master's/doctoral students](#); [Procedure for organizing and conducting practical training of students](#); [Regulations on the organization of professional practice of students on the basis of subsidiaries](#).

According to educational programs, the Development Plan of the EP is discussed and adjusted annually at extended meetings of the department and round tables with representatives employers, for example, the National Center for Biotechnology LLC: Head of the Laboratory of Immunochemistry and Immunobiotechnology Mukantayev K.N., Head of the Laboratory of Biotechnology and Plant Breeding of the National Center for Biotechnology LLC Kakimzhanova A.A., Head of the Laboratory of Molecular Biotechnology Abeldenov S.K., Head of the Laboratory of Biodiversity and Genetic Resources Kiyan V.S., Head of the Laboratory of Applied Genetics Shevtsov A.V., employees of the Republican Collection of Microorganisms LLC Abzhalelov A.B., General Director of the Republican State Enterprise on the Right of Economic Management of the Ministry of Agriculture of the Republic of Kazakhstan National Reference Center for Veterinary Medicine Berdikulov M.A., General Director of the Astana branch of the Republican State Enterprise on the Right of Economic Management of the Ministry of Agriculture of the Republic of Kazakhstan Republican Veterinary Laboratory Alimzhanova G.O., students, teaching staff. The EP management developed the EP Development Plans for 2024-2027, reviewed at an extended meeting of the Department of Microbiology and Biotechnology (minutes № 1 of 08/28/2023), reviewed at a meeting of the Faculty Council (minutes 4 of 12/27/2023) and approved by the Dean of the Faculty on 01/03/2024.

Accredited educational programs are developed taking into account the professional competencies of representatives of the scientific field of biotechnology (Kiyan V.S., Bekkuzhina S.S., Abzhalelov A.B., Abeldenov S.K., Omarova A.B., Adilbekova E.K., Musabekov A.T.) and veterinary biotechnology (Bulashev A.K., Berdikulov M.A., Kukhar E.V., Borovikov S.N., Serikova A., Suranshiev Zh.A. Akanova Zh.Zh., Begenova A.B., Zhumabaev Kh.Zh.). When developing the accredited educational programs, the availability of the material and technical base of the Department of Microbiology and Biotechnology, and the practice bases were taken into account: National Center for Biotechnology LLC, Republican Collection of Microorganisms LLC, Asyl-Tulik LLC, Republican Veterinary Laboratory State Enterprise on the Right of Economic Management, Olympus LLP, Joint Kazakh-Chinese Laboratory for Biological Safety, Scientific and Production Platform for Agricultural Biotechnology, etc.

All processes related to the implementation of the EP in KATRU named after S. Seifullin are documented and checked by the relevant departments. The database of regulatory and legal documents is available to all participants involved in the implementation of the OP, access through the WORKSPACE program <https://katru.workspace.kz/irds>.

The EEC during the interview and analysis of educational programs, the university management confirmed the collection and monitoring of its implementation, assessment of the achievement of educational goals, compliance with the needs of students, employers and society, decision-making aimed at the continuous improvement of the EP are carried out by the quality committee annually on the following types of questionnaires: "[Employers' satisfaction with the quality of training of graduates of an educational organization](#)"; "[Student satisfaction with the quality of educational programs](#)"; "[Teachers' satisfaction with the quality of educational programs](#)"; "[Graduates' satisfaction with the quality of educational programs](#)."

At the end of each academic year, the heads of the EP, taking into account the needs, form applications for the necessary information and other material resources. The department assigns the required number of classrooms, laboratories, and specialized offices.

The University has developed an internal regulatory document "Regulation on Risk Identification and Management" RRIM IGD 01.10.25-2022, approved by order of the Chairman of the Board No. 288-R dated 19.05.2022, reissued by order of the Chairman of the Board-Rector No. 3412-N dated 21.09.2023, this regulation defines the procedure and methodology for identifying, analyzing, assessing and managing risks in the activities of the organization, as well as risk control, monitoring the effectiveness of risk management methods.

Analytical part

During the visit of the EEC, experts conducted a detailed analysis of the compliance of the accredited educational institutions with the requirements of the modern education market, the effective functioning of educational programs aimed at students and all interested parties in the educational service, as well as the principles and methods of organizing educational, research and educational processes.

The EEC confirms that the university has a quality policy that reflects the relationship between research, teaching and learning. [Quality Policy](#) is available and posted on the university website.

The transparency of the development of the EP development plan is confirmed by the participation of stakeholders in their discussion. The EP management confirmed the participation of employers and students in the development of the EP. The uniqueness of EP 6B05102 Biotechnology is that bachelors master the skills of working with laboratory equipment, diagnostic methods (ELISA, PCR), DNA analysis, creation of genetic constructs and production of biotechnological products, and EP 7M05101 Veterinary Biotechnology focuses on methods of developing technologies for obtaining valuable substances based on biological objects. The created joint laboratories, such as the "Joint Kazakh-Chinese Laboratory for Biological Safety", provide students with the opportunity to work on real projects, introducing relevant innovations into practical activities. This integration of science and education not only improves the quality of training specialists, but also allows the university to be at the forefront in the field of biotechnology and biological safety. The development plan of the educational program is adjusted annually taking into account the opinion of the teaching staff, students and employers: the Republican State Enterprise on the Right of Economic Management of the Ministry of Agriculture of the Republic of Kazakhstan "National Reference Center of Veterinary Medicine", the National Center for Biotechnology LLC, the Republican Collection of Microorganisms LLC, etc., which allows it to remain relevant in accordance with the requirements of the labor market and national priorities.

The EP management regularly holds events with the participation of students, teachers and representatives of specialized organizations, which allows taking into account their interests and industry requirements. Involving students and employers in collegial bodies, such as the Academic Affairs Council and the Faculty Academic Quality Council, makes the process of developing and approving the EP open. Regular satisfaction surveys of students, faculty and employers contribute to the timely adjustment of the EP, maintaining its relevance and focus on the needs of all stakeholders.

The presented certificates and advanced training certificates testify to the regular training of the university and educational institution management in educational management programs.

At the University, business processes within the EP are clearly documented and verified by the relevant departments, and access to regulatory documents is organized through the WORKSPACE system. <https://katru.workspace.kz/irids>. The job responsibilities of the staff are described in the instructions, which ensures a clear delineation of functions. The University implements a quality management system that meets ESG standards, conducts self-assessment and ensures transparency through open meetings and student representation in academic councils. These measures contribute to the effective management of the educational program and a clear definition of the responsibilities of all participants.

During the analysis of the self-assessment report, taking into account the opinion of experts on the previous accreditation, it is possible to draw a conclusion about systematic work to improve the quality indicators of the implementation of the accredited educational programs, the degree of implementation ranges from 70 to 100%.

When preparing for the next external quality assurance procedure, I recommend paying attention to the degree of implementation of the recommendations given for educational programs during the previous accreditation and post-accreditation monitoring. Particular attention should be paid to those recommendations whose implementation rate is less than 100%, including the publication of information on planned changes in educational programs on the official website of the university (Standard 4, 75%). Implementation of these recommendations will enhance the compliance of educational programs with international standards and increase the satisfaction of stakeholders.

In the survey, 30 (40%) of the teaching staff answered the question "How would you rate the openness and accessibility of the management?" "very good," 41 (54.7%) "good," and 4 (5.3%) "relatively bad." To the question "How would you rate the content and quality of the educational program in line with the expectations of the labor market and employers?" 36 (48%) of the teaching staff answered "very good," 38 (50.7%) "good," and 1 (1.3%) "relatively bad."

To the question "How is innovative activity of teaching staff encouraged?" 26 (34.7%) teaching staff answered "very well", 43 (57.3%) "good", 2 (2.7%) "relatively poorly".

Students rated the question "Information support and explanation of the rules for admission and strategy of the educational program (specialty) before entering the university" 70 (87.5%) - "completely satisfied", "partially satisfied" - 7 (8.8%), "partially dissatisfied" - 2 (2.5%) and "dissatisfied" - 1 (1.2%). Students rated the question "The level of accessibility and responsiveness of the management (university, school, faculty, department)" 67 (83.8%) - "completely satisfied", "partially satisfied" - 11 (13.8%), "partially dissatisfied" - 2 (2.5%).

Strengths/Best Practices:

according to EP 6B05102-Biotechnology:

- *The uniqueness of the development plan of the educational institution is ensured by the internal quality assurance system, which supports the development strategy as a research university and is adapted to the mission of the university, which is focused on interdisciplinary research.*

- *The University demonstrates effective management of innovations within the framework of the EP, actively analyzing and implementing new methods and technologies in teaching using modern devices and equipment.*

according to EP 6B05102-Biotechnology and 7M05101-Veterinary biotechnology:

- *The leadership of the educational institution demonstrates openness and accessibility to students, teaching staff, employers and other interested parties through a multi-level system of interaction and transparency in decision-making.*

Recommendations:

- When preparing for the next external quality assurance procedure, take into account the degree of implementation of recommendations received during previous procedures, in particular the publication of information on planned changes in educational programs on the official website of the university (Standard 4, 75%).

Conclusions of the EEC based on the criteria:

According to the standard “Educational Program Management”, 17 criteria are disclosed, of which, for EP 6B05102-Biotechnology, 3 have a strong position, 13 are satisfactory and 1 suggests improvements, for 7M05101-Veterinary Biotechnology, 1 is strong, 15 are satisfactory and 1 suggests improvements.

6.2. Standard "Information Management and Reporting"

- *The university must ensure the functioning of a system for collecting, analyzing and managing information based on modern information and communication technologies and software.*
- *The EP's management demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system.*
- *The management of the EP demonstrates the existence of a reporting system that reflects the activities of all structural divisions and departments within the EP, including an assessment of their performance.*
- *The university must determine the frequency, forms and methods of assessing the management of the educational institution, the activities of collegial bodies and structural divisions, and senior management.*
- *The university must demonstrate a mechanism for ensuring the protection of information, including the identification of persons responsible for the accuracy and timeliness of information analysis and the provision of data.*
- *The university demonstrates the involvement of students, employees and faculty in the processes of collecting and analyzing information, as well as making decisions based on it.*
- *The leadership of the educational institution must demonstrate the existence of mechanisms for communication with students, employees and other stakeholders, including conflict resolution.*
- *The university must ensure that the degree of satisfaction of the needs of the teaching staff, personnel and students within the framework of the EP is measured and demonstrate evidence of the elimination of the identified deficiencies.*
- *The university must evaluate the effectiveness and efficiency of its activities, including in the context of the educational program.*

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

- *key performance indicators;*
- *dynamics of the student contingent in terms of forms and types;*
- *academic performance, student achievement and dropout;*
- *satisfaction of students with the implementation of the educational program and the quality of education at the university;*
- *availability of educational resources and support systems for learners;*
- *employment and career growth of graduates.*
- *Students, staff and teaching staff must provide documented consent to the processing of personal data.*
- *The management of the EP should facilitate the provision of all necessary information in the relevant fields of science.*

Evidential part

In the JSC "Kazakh Agrotechnical Research University named after S. Seifullin" information management and reporting is carried out on the basis of collecting, analyzing and using relevant information. The information management system is implemented through the use of AIS Platonus <https://platonus.kazatu.kz/>, by announcing on the university website <https://kazatu.edu.kz/ru/notices>, the report also presents an educational portal <http://portal.kazatu.kz/>, where questionnaires for surveys, class schedules and others are used. The site contains the blog of the Chairman of the Board, Deputy Chairmen of the Board, providing communication with all interested parties (students and their parents, employers, teaching staff) <https://kazatu.edu.kz/ru/dir-blog>.

The university management conducts an analysis through a survey of students, faculty, and employers on the educational portal and submits it to the university management for decision-making. The assessment of the management of the EP is carried out "Internal quality assurance system"<https://kazatu.edu.kz/ru/pages/universitet/dokumenty/sistema-menedzmenta-kacestva> based on regulatory documents on the main educational programs. Monitoring is carried out by employees of the Department of Academic Affairs, the Department of Scientific and Innovative Activities, the Department of Educational Work, etc.

Information support for teaching staff and students is provided by the Center for Information and Educational Resources (CIER)<https://library.kazatu.kz/index.php/ru/about-library/informatsiya-o-biblioteke>,<https://repos.kazatu.kz>. The University publishes the "Bulletin of Science of the Kazakh Agrotechnical Research University named after S. Seifullin" of the "Interdisciplinary" and "Veterinary Sciences" series, which are included in the List of publications recommended by the SHEQAC MSHE RK for publishing the main results of scientific activity.

The University management informs and analyzes the implemented educational programs and awarded qualifications, achievements of students, successes of graduates, academic, scientific and social events. As well as interaction with enterprises and organizations of science, business, culture, the media, employment opportunities for graduates, reliable information about the student body, information about the teaching staff, reports, etc. The University also disseminates information through republican and regional newspapers and television and radio media. The process of distribution of graduates is carried out on the basis of the Organization Standard. [SO QMS "Management of the process of distribution of graduates"](#).

The University operates [Student Service Center \(SSC\)](#). The Centralized Educational Center provides a range of services to assist in the educational process. Students and their parents can contact them with any questions they may have. In particular, centralization of the registration of students' personal files; storage of students' personal files; personal and statistical accounting of all categories of students according to established forms; registration and storage of orders for students; provision of services to students; issuance of strict reporting documents; registration and removal from military registration.

The University has developed and is implementing [rules for disclosure of information on decisions of the Board of Directors](#), approved by the decision of the Board of Directors of JSC "Kazakh Agrotechnical University named after S. Seifullin" dated "18" June 2017 No. 4, which determines the procedure and conditions for disclosure of information,

The university identified 35 [digital volunteers](#), of which 135 are teachers and 220 are active students, for work and placement of digital content for the AIS.

Analytical part

When analyzing the criterion of the standard "Information Management and Reporting" for accredited educational programs, the EEC notes that the university has a system of information management and reporting on student enrollment, academic performance, student movement, staffing, etc., which is presented in regular reports at meetings of departments, the rector's office and the Academic Council of the university, as well as in internal regulatory documents.

The management of the accredited educational institutions ensures that work is carried out to assess the level of satisfaction of students, employees and teachers by means of their questionnaires. The EEC notes that the information collected within the framework of the university's activities, including through statistical processing of information, reporting, allows for the formation of analytical reports. The results of the questionnaire are summarized in the relevant reports, and decisions are made. During the interview, students noted that they see the results of their proposals, such as the creation by the university management of special places and coworking centers for their leisure time. Support and development of such practices will increase student involvement in quality assurance processes and improve their perception of the university environment.

Access to current scientific information, analytical reports and specialized databases, organized through the Center for Information and Educational Resources, provides students and teachers with the necessary materials for in-depth research. This allows integrating new knowledge and advanced methods into the educational process, which increases the relevance of the content of the EP and the level of training

of students. In addition, regular monitoring of scientific and research activity conducted by the university helps to identify promising areas of research and support academic projects aimed at solving current problems in the relevant areas of knowledge.

During the EEC visit, the university management partially did not confirm the documented consent to the processing of personal data of the teaching staff.

According to the survey results, 70 (87.5%) students responded “completely satisfied” with the provision of information to students about courses, educational programs, and the academic degree they are receiving, 8 (10%) responded “partially satisfied,” and 2 (2.5%) responded “partially dissatisfied”; 67 (83.8%) responded “completely satisfied” with the content and informational fullness of the website of educational organizations in general and faculties (schools) in particular,” 11 (13.8%) responded “partially satisfied,” and 2 (2.5%) responded “partially dissatisfied”; 69 (86.3%) responded “completely satisfied” with the speed of response to feedback from teachers on educational process issues,” 10 (12.5%) responded “partially satisfied,” and 1 (1.2%) responded “partially dissatisfied.”

According to the results of the faculty survey, to the question "How does the university management and administration perceive criticism addressed to them?" 17 (22.7%) answered "very well", 51 (68%) "good", 5 (6.7%) "relatively bad". To the question "Assess the openness and accessibility of the management: to teachers" 30 (40%) answered "very well", 41 (54.7%) "good" and 4 (5.3%) "relatively bad".

Strengths/Best Practices:

according to EP 6B05102-Biotechnology:

-At the university, information support for scientific research is organized through specialized centers and electronic systems. The Center for Information and Educational Resources provides access to the necessary library and educational resources, including a repository for publications and scientific papers. The Platonus AIS is used to manage information about the educational process, and the university's educational portal conducts surveys and posts materials that help collect data for analysis and improve the quality of research.

Recommendations:

- The university management shall complete the work on updating the content of consent to the processing of personal data taking into account current regulations and their receipt by university employees by 30.12.2024.

Conclusions of the EEC based on the criteria:

According to the standard “Information Management and Reporting”, 17 criteria are disclosed, of which, according to EP 6B05102-Biotechnology, 1 have a strong position, 14 are satisfactory, according to 7M05101-Veterinary Biotechnology, 15 are satisfactory and 2 suggest improvement.

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

- *The university must demonstrate the existence of a documented procedure for developing the EP and its approval at the institutional level.*
- *The university must demonstrate the compliance of the developed educational program with the established goals and planned learning outcomes.*
- *The leadership of the educational institution must determine the influence of disciplines and professional practices on the formation of learning outcomes.*
- *The university can demonstrate the presence of a model of a graduate of the educational program, describing the learning outcomes and personal qualities.*
- *The qualification awarded upon completion of the EP must be clearly defined, explained and correspond to a specific level of the NQF, QF-EHEA.*
- *The management of the educational program must demonstrate the modular structure of the program based on the European Credit Transfer and Accumulation System (ECTS), ensure that the*

educational program and its modules (in terms of content and structure) comply with the set goals with a focus on achieving the planned learning outcomes.

- *The management of the educational institution must ensure that the content of academic disciplines and learning outcomes correspond to each other and to the level of education (bachelor's, master's, doctoral).*
- *The management of the EP must demonstrate that external examinations of the EP have been carried out.*
- *The management of the educational program must provide evidence of the participation of students, faculty and other stakeholders in the development of the educational program and ensuring its quality.*
- *The management of the educational institution must demonstrate the educational institution's positioning in the educational market (regional/national/international) and its uniqueness.*
- *An important factor is the ability to prepare students for professional certification.*
- *An important factor is the availability of a double-degree program and/or joint programs with foreign universities.*

Evidential part

The process and procedure for developing and approving accredited EPs is carried out in accordance with the requirements of the State Educational Standards, Professional Standards: production of beverages, production of dairy products, production of meat and meat products, production of yeast, production of bakery and flour confectionery products, Selection activities (breeding) in animal husbandry and the Atlas of new professions: [Biological interaction technologist, Biotechnologist-microbiologist of aquatic systems, Technologist of innovative biopreparations, https://www.enbek.kz/atlas/profession/224](https://www.enbek.kz/atlas/profession/224) Specialist in new technologies in agriculture.

All relevant university entities, teaching staff, are involved in this process. structural divisions implementing the educational program, faculties, departments, etc. The University develops its educational programs in accordance with the University documents [Regulations on the Faculty Council for Academic Quality; Regulations on the Academic Council; The procedure for organizing, conducting and monitoring classroom and extracurricular activities; The procedure for preparing educational and methodological literature for publication; SO QMS Structure, content, procedure for development and approval of the electronic educational and methodological complex of the discipline](#), and also on the basis of the “Guidelines for the Development of Educational Programs for Higher and Postgraduate Education” of the Ministry of Higher Education of the Republic of Kazakhstan dated 04.05.2023 No. 601n/k. Accredited educational programs are developed by working groups, which include teaching staff, employers, students, etc. at the meeting. Department of Microbiology and Biotechnology (Minutes No. 18 dated 01.06. 2024), and are discussed at a meeting of the Academic Council of the Faculty of Microbiology and Biotechnology (Minutes No. 11 dated 10.06.2020) and at a meeting of the Academic Council (AC) of KATRU named after S.Seifullin (Minutes No. 12 dated 03.07.2020).

The objectives of the EP are consistent with the mission of the university, the National Qualifications System. During development, the degree of labor intensity of the students' academic workload in all types of educational activities provided for in the curriculum is taken into account, academic credits are clearly defined.

Objective of EP 6B05102 Biotechnology- training of new-generation specialists in the field of biotechnology who are competitive in the labor market, possessing broad fundamental knowledge and practical experience, capable of adapting to the changing requirements of the labor market and technologies, satisfying the requirements of employers and business partners.

The uniqueness of the EP 6B05102 Biotechnology is that bachelors acquire the skills of using laboratory equipment, sampling biological material, cultivating microorganisms and analyzing microbiological data, conducting research in the field of diagnostics (ELISA, PCR, etc.), studying gene functions and DNA analysis, creating molecular genetic constructs, obtaining biotechnological products, molecular biological research, working with bacteriophage transformation.

The purpose of EP 7M05101 Veterinary biotechnology- training of highly competitive scientific and pedagogical personnel in the field of "Veterinary Biotechnology" with a clear focus on future personal and professional activities that meet the requirements of domestic and foreign employers.

The uniqueness of EP 7M05101 Veterinary biotechnology is the development of methods and technologies for the development of various methods, techniques, and production schemes aimed at obtaining valuable substances based on biological objects.

The training is focused on the content of disciplines that take into account the needs of the labor market. Events, meetings, master classes, guest lectures, and trainings are held. The stakeholders of the accredited educational programs are: RSE "Republican Collection of Microorganisms" of the Ministry of Health of the Republic of Kazakhstan, RSE "National Center for Biotechnology" of the Ministry of Health of the Republic of Kazakhstan, LLP Scientific and Production Enterprise "Antigen", the Department of Expert Forensics and Molecular Biology of the Ministry of Internal Affairs of the Republic of Kazakhstan, industrial processing enterprises of the NPA "Atameken", RSE "Asyl Tulik", research institutes and centers of the Republic of Kazakhstan, medical diagnostic centers, laboratories, district and regional breeding stations, plant protection stations, enterprises of the microbiological, biochemical, food industries (bakery factories, milk and meat processing plants, breweries, confectionery factories, etc.).

The University has created conditions for internships: programs have been developed, the content of which corresponds to the goals and objectives of training specialists, long-term and short-term contracts have been concluded on internship bases. The passage of professional internships by students is regulated by MI IGD 02.2017-2021 "Procedure for organizing and conducting practical training of students"; MI IGD 02.2020-2022 "Procedure for organizing and conducting practical training of master's students / doctoral students"; POCTMSDS IGD 02.2067-2021 Regulation "On the organization of professional internship of students of JSC "KATRU named after S.Seifullin" on the basis of subsidiaries of LLP "SPC ZH named after A.I. Barayev", LLP "KazRIFA" named after A.N. Bukeikhana, LLP "SK SKHOS" MI IGD 02.2076-2022 Procedure for organizing, conducting and monitoring classroom and extracurricular activities, SO IGD 02.2078-2022 Organization of monitoring academic performance during current and midterm assessment of students.

The University develops graduate models based on the Qualification Handbook of Positions of Managers, Specialists and Other Employees, and the results of a survey of academic experts and employers. The University graduate model represents areas of professional activity, types of professional activity, general educational competencies, basic competencies, and professional competencies.

In 2024, an external examination of the EP NTP "Atameken" was carried out, according to the ranking results, EP 6B05102-Biotechnology - 1st place among 18 universities of the Republic of Kazakhstan, employment is 96%, ranking was also carried out by the IAAR agency - EP 7M05101-Veterinary Biotechnology - 1st place EP 6B05102-Biotechnology - 2nd place.

The following professional standards were used in developing EP 6B05102-Biotechnology: Production of dairy products; Production of meat and meat products; Production of cheeses; Selection activities (breeding) in animal husbandry, Production of yeast, Production of bakery and flour confectionery products, Production of sausages and meat delicacies, Production of greenhouse vegetables and berries.

Analytical part

During the visit, experts analyzed educational programs, educational and methodological support for their implementation. The documentation was developed in accordance with the NPA RK and internal university regulations.

The University demonstrated participation in the working groups for the development of the EP, teaching staff, students and employers. The composition of the working group is indicated in the structure of each EP.

The content of the EP, the sequence of their implementation correspond to regulatory requirements and demands of the labor market. The learning outcomes for each discipline and professional practices correspond to the learning outcomes of the educational program as a whole. Each module is focused on achieving specific results, which allows students to master knowledge and skills consistently and fully, also contributes to the transparency of the educational process, allows for flexible consideration of the individual

pace of learning and facilitates the academic mobility of students, since the modules are easily comparable with the programs of other universities.

The self-report states that the formation of individual educational trajectories is carried out on the basis of the CED, which contains a list of all disciplines of the component for choice, indicating the purpose of study, brief content and expected results of study, and students who participate in the questionnaire to determine educational trajectories for choice, the choice of elective disciplines for the CED are involved in the formation of the EP. During the conversation with students, this procedure was confirmed.

At the university, the management of the educational programs actively positions them in the educational market both at the regional and national levels. The uniqueness of educational programs such as Biotechnology and Veterinary Biotechnology lies in their focus on the current needs of the labor market and customizable professional skills that are in demand both in Kazakhstan and abroad. The programs are developed taking into account professional standards and employer requirements, as well as based on data on modern trends in the relevant industries. As a result, the accredited educational programs have received high marks for graduate employment and occupy leading positions in the ranking of educational institutions, which confirms their competitiveness and attractiveness to students. The university also actively interacts with foreign universities, which contributes to the expansion of international cooperation and exchange of experience, thereby strengthening its position in the international educational arena.

The management of accredited educational institutions should strengthen their work on developing joint/dual-degree educational programs with universities in the near and far abroad. The University has developed a Regulation on the procedure for developing and implementing dual-degree education programs and joint educational programs; there are a sufficient number of cooperation agreements with foreign universities.

The survey of the teaching staff conducted during the visit of the IAAR EEC demonstrated a satisfactory assessment of the question "What attention does the management of the educational institution pay to the content of the educational program?" 41 (54.7%) answered "very well", 33 (44%) - "good" and 1 (1.3%) - "relatively poorly". To the question "To what extent does the content of the educational program meet your scientific and professional interests and needs?" 54 (72%) answered "very well", 21 (28%) "good". The teaching staff assessed the support of the university and its management of "Development of new educational programs/disciplines/teaching methods" as "very well" - 43 (57.3%), "good" - 32 (42.7%).

A survey of students showed that they were satisfied with the level of response time to feedback from teachers regarding the educational process - 69 (86.3%) were "completely satisfied", 10 (12.5%) were "partially satisfied" and 1 (1.2%) were "partially dissatisfied".

Strengths/Best Practices:

according to EP 6B05102-Biotechnology:

- *The qualification awarded upon completion of the EP is clearly defined and explained in accordance with the NQF and QF-EHEA levels. Graduates acquire knowledge, skills and competencies corresponding to specific NQF levels and thus have the necessary preparation for professional activity and further development.*

- *The EP manual demonstrates a modular structure based on the European Credit Transfer and Accumulation System, ensuring that the content and structure of the modules are consistent with the programme objectives and intended learning outcomes.*

- *The management of the EP actively positions the accredited EPs at the national level, emphasizing the uniqueness of the EP. The EPs are focused on the needs of the labor market and in-demand skills, which is confirmed by the high level of employment of graduates and their [leading positions in the ranking of universities](#). The university occupies a worthy position in the largest world and Kazakhstani university rankings.*

Recommendations:

- The leadership of the educational program should develop a plan for cooperation with foreign universities on the design and implementation of double-degree educational programs and/or joint educational programs by the beginning of the 2025-2026 academic year.

Conclusions of the EEC based on the criteria:

According to the standard “Development and approval of educational programs”, 12 criteria are disclosed, of which 3 have a strong position for EP 6B05102-Biotechnology, 9 have a satisfactory position, and 12 have a satisfactory position for 7M05101-Veterinary biotechnology.

6.4. Standard “Continuous monitoring and periodic evaluation of educational programs”

• *The university must ensure a revision of the content and structure of the educational program, taking into account changes in the labor market, employer requirements and the social demands of society.*

• *The university must demonstrate the existence of a documented procedure for monitoring and periodically evaluating the EP to achieve the EP objective. The results of these procedures are aimed at continuous improvement of the EP.*

Monitoring and periodic evaluation of the EP should consider:

• *the content of the programs in the context of the latest achievements of science and technology in a specific discipline;*

• *changes in the needs of society and the professional environment;*

• *workload, academic performance and graduation of students;*

• *the effectiveness of student assessment procedures;*

• *needs and level of satisfaction of students;*

• *compliance of the educational environment and the activities of support services with the objectives of the educational program.*

• *All interested parties must be informed of any planned or undertaken actions in relation to the OP.*

All changes made to the EP must be published.

• *Support services should identify the needs of different groups of students and their level of satisfaction with the organization of learning, teaching, assessment, and mastery of the educational program as a whole.*

Evidential part

The University ensures revision of the content and structure of educational programs in accordance with the requirements of the labor market, the expectations of employers and the social demand of society. The effectiveness of the changes made is assessed through the results of academic performance and the quality of training of students. The processes of implementing bachelor's and master's degree programs are documented and controlled by the SVOK service <https://kazatu.edu.kz/pages/universitet/dokumenty/sistema-menedzmenta-kacestva>. Changes in educational programs concern the revision of the content of disciplines, labor intensity and format of classes. For example, practical classes in the discipline "Microbiology and Virology" for students of the program "Biotechnology" are held on the basis of the veterinary laboratory of the RSE on the Right of Economic Management "Astana branch of the Republican Veterinary Laboratory" of the Ministry of Agriculture of the Republic of Kazakhstan, and master's students in the direction of "Veterinary Biotechnology" take classes in specialized laboratories and at the enterprises of the RZhp "Asyl Tulik", "Joint Kazakhstan-China Laboratory for Biosafety", which increases the practical significance of training.

The University carries out continuous monitoring and periodic evaluation of educational programs using a feedback mechanism (survey, interview, survey of students, key employers), Forguarantees of achieving the goals of the educational program and meeting the needs of students and the labor market.

Monitoring and evaluation of the EP is carried out at the level of the department, dean's office and university with mandatory analysis and the results of the EP evaluation are discussed at the Faculty Council, department meetings, which make decisions on measures to ensure the quality of education. The forms of final control (oral, written, computer testing) are approved by the Faculty Council. All procedures for approving EP documents are carried out in accordance with the regulatory documents of the Ministry of

Higher Education of the Republic of Kazakhstan <https://kazatu.edu.kz/pages/obucenie/akademiceskaa-politika>.

Quality control of educational programmes includes internal assessment of the educational programme, internal assessment of the university's activities and external assessment of the university's educational activities: internal assessment of the educational programme (rating of the department responsible for the implementation of the educational programme at the university, rating of the university's teaching staff, assessment by students through a questionnaire on the achievements of students and teaching staff, self-assessment of the educational programme within the framework of specialized accreditation, assessment of the quality of teaching, verification of the activities for the implementation of the educational programme); internal assessment of the university's activities: self-assessment and compliance with regulatory documents (standards, guidelines for conducting self-assessment) of independent accreditation agencies; external assessment of the educational programme: assessment by stakeholders, employers, external review, external assessment and evaluation by Republican experts when updating the Register of educational programmes, Atameken NCE Rating, specialized accreditation of IAAR, Final certification of students; external assessment of the university's educational activities: verification of compliance with legislation, institutional accreditation, rating, events for the development and advancement of educational programs with the participation of employers and other interested parties, are recorded in the form of protocols, acts, certificates, reports, etc. and are discussed at meetings of the educational program and the educational and methodological council, as well as at meetings of the academic council of the faculty.

The University has developed a Standard "[Control of knowledge and final assessment of students](#)" approved by order of the Chairman of the Board No. 469-N dated September 14, 2020, which clearly defines the goals, objectives, sequence and basic requirements for organizing the process, preparation and conduct of current, intermediate, final certification of students <chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://kazatu.edu.kz/assets/i/stud/so-smk-kontrol-znani-21-ru.pdf>, [COrganization of monitoring of academic performance during the final assessment of students.Regulations on checking written works for borrowing. Regulations on the procedure for organizing and conducting dual education at KATRU.](#)

Analytical part

The analysis of the procedures for monitoring and periodic evaluation of the educational program is carried out on the basis of: analysis of curricula, the catalog of elective disciplines, individual plans of students' programs, internal regulatory documents governing the implementation of educational programs, their monitoring and evaluation; minutes of collegial bodies and department meetings; interviews and questionnaires of students, teaching staff and interested parties; results of observations of the activities of support services.

The EP management uses a feedback mechanism, including surveys and questionnaires of students and key employers, which allows taking into account current needs. The processes of evaluation of educational programs are carried out at all levels (department, dean's office, university), the results are discussed at meetings of faculties and departments, which ensures transparency and involvement of all stakeholders. Quality control includes internal and external evaluations of the EP, carried out in accordance with the regulatory documents of the Ministry of Higher Education of the Republic of Kazakhstan and the documents of the National Qualification System (NQF, ORQ, PS).

The conducted analysis shows that when carrying out events on the EP, all interested parties are informed: the EP management communicates information to the teaching staff through discussions at department meetings, employers are also informed through communication means, the developed EPs are transferred to them for review, representatives are invited to discuss individual issues, conferences, job fairs, open days are held; students receive all information from advisers and curators, they can also contact the EP management for clarification, however, during the interview, some employers noted that they are not always informed about the actions taken regarding changes and additions to the EP, the EP Development Plan, disciplines.

Based on the results of the survey, students rated the question “Level of accessibility and responsiveness of management (university, school, faculty, department)” as 67 (83.8%) - “completely satisfied”, “partially satisfied” - 11 (13.8%), “partially dissatisfied” - 2 (2.5%).

The Commission notes the need for timely publication of amendments and additions made to the EP in order to ensure wider access for all categories of interested persons.

Strengths/Best Practices:

- not identified.

Recommendations:

-The management of the EP shall publish the changes made to the educational programs on an ongoing basis on the website and other information resources of the university.

Conclusions of the EEC based on the criteria:

According to the standard “Continuous monitoring and periodic evaluation of educational programs”, 10 criteria are disclosed, of which, for EP 6B05102-Biotechnology, 10 have a satisfactory position, for 7M05101-Veterinary biotechnology, 9 are satisfactory and 1 suggests improvement.

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

● *The leadership of the educational institution must ensure respect and attention to different groups of students and their needs, providing them with flexible learning paths.*

● *The management of the educational program must ensure that teaching is based on modern achievements of world science and practice in the field of study, the use of various modern teaching methods and assessment of learning outcomes that ensure the achievement of the educational program's goals, including competencies and skills for performing scientific work at the required level.*

● *The management of the educational program must determine the mechanisms for distributing the students' academic workload between theory and practice within the educational program, ensuring that each graduate masters the content and achieves the educational program's goals.*

● *An important factor is the availability of our own research in the field of teaching methods for the educational program.*

● *The university must ensure that the procedures for assessing learning outcomes correspond to the planned results and objectives of the educational program.*

● *The university must ensure consistency, transparency and objectivity of the mechanism for assessing the learning outcomes of the EP. The criteria and methods for assessing learning outcomes must be published in advance.*

● *Assessors must be proficient in modern methods of assessing learning outcomes and regularly improve their skills in this area.*

● *The leadership of the educational institution must demonstrate the existence of a feedback system on the use of various teaching methods and assessment of learning outcomes.*

● *The leadership of the EP should demonstrate support for learner autonomy while providing guidance and assistance from the teacher.*

● *The management of the educational institution must demonstrate that there is a procedure for responding to student complaints.*

Evidential part

In order to implement a student-centered approach in learning, teaching and assessment of academic performance, the University has developed [Academic policy](#), which regulates the rights and responsibilities of students, providing support for working youth, students with special educational needs and international students, also focuses on respecting the needs of different groups of students and offers flexible educational trajectories.

The University takes into account the needs of various categories of students: working youth, students actively involved in public organizations, students with special educational needs, and foreign students. At the University, SCL is represented by a learning theory based on constructivism, where the student is an active "subject" rather than a passive "object" of the educational process. This training is characterized by innovative teaching methods that are aimed at promoting learning based on cooperation between teachers and graduate students, promoting the active role of students in controlling their own learning process, thus contributing to the development of such personal skills as problem solving, critical and reflective thinking.

The management of the EP provides equal opportunities for students regardless of the language of instruction to form an individual educational program. Students with special educational needs are provided with access to library and information resources, free movement around the academic buildings, dormitories and social facilities of the university, ramps and pictograms are installed.

The number of students in academic streams, groups, subgroups is formed based on a sufficient number of students enrolled in a discipline and a teacher (at least 12-15 people per subgroup, 25-30 people per group, 100-150 people per academic stream). The registration of students for academic disciplines is organized by the Registrar's office. Methodological and consulting work with students is carried out by advisers.

The teaching staff of the accredited educational programs use various technologies in teaching, such as: Problem-based learning – PBL (problem-oriented learning) – Begenova A.B., Bulashev A.K.; Flipped classroom (flipped classroom) is used by all the teaching staff who recorded the courses as video lectures in the Jalinga studio: Ashimov S.A., Suranshiev Zh.A., Gazizova A.I., Zhumabaev Kh.Zh.; Game and case technologies; - department assistants: Bekenova A.B., Abdrakhmanova G.K., Dzhamburshina D.G., Zhaumitowa N.N., Bekkuzhina S.S.; off-site classes at enterprises - Bulashev A.K., Bekkuzhina S.S., Suranshiev Zh.A.; “Research method” - Bulashev A.K., Bekkuzhina S.S., Borovikov S.N., Muranets A.P. and others.

The students' academic workload per semester is 30 ESTS credits. The independent workload is calculated as 30 hours per 1 credit, of which independent workload is 11 hours, classroom work is 30 hours, independent workload is 4 hours.

The mechanism for assessing knowledge at the university is carried out in accordance with [MI QMS 02.2076-2022 Procedure for organizing, conducting and monitoring classroom and extracurricular activities, SO Organization of monitoring of academic performance during the final assessment of students. Regulations on checking written works for borrowing](#). An appeal committee has been established by order of the university. The policy for assessing the academic achievements of students is based on the principles of academic honesty. Students, teachers and employees of the university must adhere to the Code of Academic Honesty.

The academic achievements (knowledge, abilities, skills and competencies) of students are assessed in points on a 100-point scale, corresponding to the internationally accepted letter system with a digital equivalent (positive grades, in descending order, from "A" to "D", and unsatisfactory - "FX", "F") and grades according to the traditional system. The organization of the system for monitoring the academic achievements of students is carried out by the Department of Student Affairs, the structure of which includes the "Student Service Center" (SSC) and the registrar's office (RO) <https://kazatu.edu.kz/pages/universitet/departament-po-studenceskim-voprosam>.

Complaints from students are accepted on paper or in electronic format, through the rector's blog, trust boxes, the procedure is regulated by the Regulation on the procedure for considering student complaints by the university management.

Analytical part

During the visit, the EEC, the university and the leadership of the educational institution demonstrated a targeted policy for implementing measures to take into account the needs and individual characteristics of students in the framework of educational and extracurricular activities.

The assessment of the SCL and the objectivity of knowledge assessment processes is carried out on the basis of: analysis of curricula, catalogue of elective disciplines, schedules, internal regulatory documents governing the implementation of educational programs; analysis of teaching methods and organization of

independent work of the student; analysis of the applied methods and technology of assessment of learning outcomes; interviews and questionnaires of students, teaching staff, employers and interested parties. At the University, activities on development and formation of educational programs, as well as their implementation, are carried out with a focus on students.

The teaching load is distributed taking into account practical and theoretical components, and the knowledge assessment mechanism ensures consistency, transparency and objectivity. Students' results are assessed on a 100-point scale in accordance with the international assessment system, which helps maintain academic integrity.

At the same time, experts emphasize the lack of their own research in the field of teaching methods of the EP disciplines. The University is the generation of new knowledge and the disclosure of the intellectual potential of the region and in this regard, it is advisable to mobilize cognitive, research and other resources of the subjects of educational interaction, allowing the achievement of the set goals, taking into account the requests of consumers of educational services and employers of the region.

The University has established feedback mechanisms and procedures for handling student complaints to ensure that students are involved in improving the educational process.

According to the survey results, 67 (83.8%) students responded "completely satisfied" with the relationship between student and teacher, 12 (15%) responded "partially satisfied" and 1 (1.2%) responded "partially dissatisfied"; 60 (75%) responded "completely satisfied" with the activities of the financial and administrative services of the educational institution, 16 (20%) responded "partially satisfied" with the activities of the financial and administrative services of the educational institution, 3 (3.7%) responded "partially dissatisfied", and 1 (1.2%) responded "completely satisfied" with the existing educational resources of the university, 68 (85%) responded "completely satisfied" with the activities of the financial and administrative services of the educational institution, 9 (11.3%) responded "partially satisfied" with the activities of the financial and administrative services of the educational institution, 2 (2.5%) responded "partially dissatisfied", and 1 (1.2%) responded "dissatisfied" with the activities of the financial and administrative services of the educational institution, 16 (20%) responded "partially satisfied" with the activities of the financial and administrative services of the educational institution, 16 (20%) responded "partially satisfied" with the activities of the financial and administrative services of the educational institution, 3 (3.7%) responded "partially satisfied" with the activities of the financial and administrative services, 16 (20 ... The following respondents responded as follows: "completely satisfied" with the quality of the educational programs in the educational institution: 74 (92.5%), "partially satisfied" with 3 (3.7%), "partially dissatisfied" with 3 (3.7%); "completely satisfied" with the academic workload/requirements for students in the educational institution: 63 (78.8%), "partially satisfied" with 11 (13.8%), "partially dissatisfied" with 3 (3.7%), "dissatisfied" with 1 (1.2%), "don't know" with 2 (2.5%); "completely satisfied" with the requirements of the teaching staff for students: 59 (73.8%), "partially satisfied" with 18 (22.5%), "partially dissatisfied" with 2 (2.5%), "dissatisfied" with 1 (1.2%).

According to the results of the questionnaire, the teaching staff assessed the relations with students as completely satisfied - 68 (90.7%), "partially satisfied" - 7 (9.3%). Completely satisfied with the activities of the university administration - 51 (68%), partially satisfied - 20 (26.7%), "not satisfied" - 1 (1.3%), "I find it difficult to answer" - 3 (4%). Completely satisfied with the working conditions, the list and quality of services provided at the university - 52 (69.3%), partially satisfied - 23 (30.7%). Assess the level of feedback from the teaching staff with the management very good - 30 (40%), good - 43 (57.3%), relatively bad - 2 (2.7%).

Strengths/Best Practices:

- not identified.

Recommendations:

- The leadership of the educational institution must plan to conduct its own research in the field of teaching methods for academic disciplines before the start of the 2025-2026 academic year.

Conclusions of the EEC based on the criteria:

According to the standard “Student-centered learning, teaching and assessment of academic performance”, 10 criteria are disclosed, of which, for EP 6B05102-Biotechnology, 10 have a satisfactory position, for 7M05101-Veterinary biotechnology, 9 are satisfactory and 1 suggests improvement.

6.6. Standard "Students"

- *The university must demonstrate the policy of forming the contingent of students and ensure transparency of its procedures. The procedures regulating the life cycle of students (from admission to completion) must be defined, approved, published.*
- *The management of the EP should provide for the implementation of special adaptation and support programs for newly admitted and foreign students.*
- *The university must demonstrate that its actions comply with the Lisbon Recognition Convention, including 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 informal education.*
- *The university must provide opportunities for external and internal academic mobility of students, as well as assist them in obtaining external grants for their studies.*
- *The university should actively encourage students to self-educate and develop outside the main program (extracurricular activities).*
- *An important factor is the presence of a mechanism to support gifted students.*
- *The institution must demonstrate cooperation with other educational organisations and national centres of the “European Network of National Information Centres on Academic Recognition and Mobility/National Academic Recognition Information Centres” ENIC/NARIC in order to ensure comparable recognition of qualifications.*
- *The university must provide students with internship places, demonstrate the procedure for facilitating the employment of graduates, and maintaining contact with them.*
- *The university must demonstrate the procedure for issuing graduates with documents confirming the qualifications they have received, including the learning outcomes they have achieved.*
- *The management of the EP must demonstrate that graduates of the program have skills that are in demand in the labor market and that these skills are actually in demand in the labor market.*
- *The management of the educational institution must demonstrate the existence of a mechanism for monitoring the employment and professional activities of graduates.*
- *An important factor is the existence of an active alumni association/association.*

Evidential part

Admission of students is carried out in accordance with the Model Rules for Admission to Education in Educational Organizations Implementing Postgraduate Educational Programs, approved by the order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600 and [Admission rules to KATRU](#). Applications submitted to higher and postgraduate education institutions are accepted online through the information system and offline. Information for admission to the University is available on the University website (<https://kazatu.edu.kz/ru/pages/abiturientu/virtual-naa-priemnaa-komissia>), and the necessary informational and explanatory materials are presented in the form of brochures, booklets, posters, accessible to the public and other interested parties, distributed during the campaigns and career guidance campaigns conducted by the Admissions Committee. <https://kazatu.edu.kz/pages/abiturientu/vyssee-obrazovanie>, <https://kazatu.edu.kz/pages/abiturientu/poslevuzovskoe-obrazovanie>. On the university website in the section "Applicant" <https://kazatu.edu.kz/pages/abiturientu/portfolio-potencialnyh-naucnyh-rukovoditelej> Information about scientific supervisors is posted. The Admissions Committee of the S. Seifullin KATRU and the EP management maintain pages on popular social networks Instagram, Facebook and VK, where information materials are posted as they are received. LED screens are used to inform applicants and students.

The University carries out career guidance work such as visiting schools, colleges, etc., organizing meetings during open days, participating in scientific conferences, competitions, and preparing joint scientific projects. Graduates of previous years are invited to carry out career guidance work and organizational events.

Training in the OHPE on EP 6B050102 - Biotechnology and 6M05101-Veterinary Biotechnology is conducted in full-time education. To get acquainted with the university and the educational process for the 1st year, a presentation week is provided, the purpose of which is to study the credit technology. The management of the EP together with the advisor-teacher conduct an introductory course, in order to familiarize and form the individual educational program, form educational trajectories, using the opportunity to choose a teacher and academic disciplines, taking into account their needs in obtaining the relevant competencies within the framework of the selected EP. For accredited EPs, training is provided on a multilingual basis <https://kazatu.edu.kz/assets/i/stud/ap-poli-ru.pdf>

Table 1 shows the dynamics of the contingent for the EP 6B05102-Biotechnology and 7M05101-Veterinary Biotechnology. The dynamics show an increase in the contingent for the bachelor's degree and a decrease for the master's degree.

Table 1. Contingent of students

Code and name of the EP	Academic year	Contingent, people		
		General	including	
			by state grants	on a paid basis
6B005102-Biotechnology	2021-2022	33	18	15
	2022-2023	43	25	18
	2023-2024	31	15	16
	2024-2025	102	79	23
	Total:	209	137	72
6M05101-Veterinary Biotechnology	2021-2022	12	12	-
	2022-2023	11	10	1
	2023-2024	6	6	1
	2024-2025	8	8	-
	Total:	37	36	2
	Total:	246	173	73

To consolidate theoretical knowledge and practical skills, bachelors and masters of accredited educational programs undergo practical training. Organizations with a material and technical base and qualified personnel corresponding to the profile of personnel training and the requirements of the educational program act as practical training bases.

The transfer of students from one course to another is carried out on the basis of the transfer grade point average (GPA) established by the Academic Council of the University.

Academic mobility at the university is carried out within the framework of concluded agreements and memorandums <https://kazatu.edu.kz/pages/universitet/mezdunarodnoe-sotrudnicestvo/dogovory-i-with-republican-and-foreign-universities-in-accordance-with-the-regulation-on-the-organization-of-external-academic-mobility-of-students-at-the-kazakh-agrotechnical-university-named-after-s-seifullin> <https://kazatu.edu.kz/assets/i/stud/ap-mob-ru.pdf>, Provisions on the organization of academic mobility of teaching staff, Provisions on attracting foreign scientists and professors for teaching.

The following foreign students are studying in EP 6B05102 - Biotechnology: Russian Federation - Khamzaeva V., Imambaeva A., Seipilov R., Bigalieva A.; Mongolia - Avilgayf H., Tilengit A., Volodya B., Begzhan A.; China - Kazynur N., Symayil M.; Uzbekistan - Nurmakhambetova K., Abdurakhmanova A.

As part of external academic mobility, students and master's students of the accredited educational programs have studied at universities in non-CIS countries: Slovak Agricultural University, Nitra, Slovakia;

Agricultural University, Krakow, Poland (Gazisova Leila), Missouri State University, USA (Kazybaeva Aidana), Xinjiang University, Urumqi, China (Zhanakhmetova Diana, Toremurat Zhansaya), etc. At the expense of the scholarship program of the Ministry of Science and Higher Education of the Republic of Kazakhstan "Abai-Vern" at the National School of Agronomy and Food Industry (ENSAIA) of the University of Agrinim (France): 2nd year master's student of the educational program "Plant Biotechnology" Zeynulin M.K. is studying. Duration of study from October 2, 2023 to 2024. Also, a 3rd-year student of the EP "6B05102-Biotechnology" Elgudinova Altynai is studying at the Agricultural University in Krakow (Poland) under external academic mobility (01.10.2023-24.02.2024). Students have completed professional practice under the international Logo programs on farms in Germany (Evgenia Kubits - 2022, Abdullah Bibinur - 2022). Master's students in the scientific and pedagogical direction annually undergo scientific internships at the Hugo Kołłątaj Agrarian University in Krakow (Poland), the Institute of Cytology and Genetics in Novosibirsk. After receiving a bachelor's degree, graduates have the opportunity to continue their education in a master's degree at universities (Russia, China, Canada, Japan, etc.). In 2017, graduates Abdesan R., Zhanakhmetova D., Toremurat Zh. Bekezhan A., Isakova R., Alzhanova L. are studying in the targeted master's program at the Northwest Agricultural University (China), Maipas A. is studying in the doctoral program in Japan Okinawa Institute of Science and Technology Graduate University (OIST), Baduanova S. studied in the postgraduate program at the Timiryazev Agricultural Academy, defended her candidate's dissertation.

Upon completion of the full cycle of study, students will be awarded the corresponding academic degree.

The organization and monitoring of all types of internships and analysis of the effectiveness of employment of university graduates is carried out by the "Career, Internship and Employment Center" (<https://digital.kazatu.kz/jobsite/>). According to the results of the National Chamber of Entrepreneurs "Atameken-2024" EP 6B05102-Biotechnology ranks 1st among 18 universities in Kazakhstan, according to the rating of the NCE "Atameken" the level of employment of biotechnologists in 2023 is - 96% https://atameken.kz/ru/university_ratings?year=2023. 100% of Master's degree students of EP 7M05102-Veterinary Biotechnology are employed. Graduates of accredited EPs work at the National Center for Biotechnology LLP, the Branch of the State Enterprise Center for Forensic Expertise of the Ministry of Justice of the Republic of Kazakhstan, the Institute of Forensic Expertise, the National Center for Expertise, the South-West Research Institute of Animal Husbandry and Plant Growing, the National Center for Expertise, the OLIMP Clinical Laboratory, the Republican Collection of Microorganisms LLP, etc.

Students take an active part in various public events held within the republic, region, city and university, for example, with Students of the EP 6B05102-Biotechnology took part and took 2nd place in the subject Olympiad at the "Toraighyrov University" in Pavlodar <https://www.facebook.com/share/p/5ZmdpEiKmuSA6ANd/?mibextid=oFDknk>, in the Republican competition of scientific research works-2024, they received diplomas from the Ministry of National Economy and Higher Education of the Republic of Kazakhstan of the 1st degree - 1 work (Nesipbaeva Aziza), II degree - 2 works (Shin Chincer, Kurbanalieva Asem), III degree - 2 works (Khamitzhan Tomiris, Armiya Akkerke), and letters of thanks - 2 works, 2nd year master's student Zeynulin Murat won the Republican competition of scientific research works of the Republic of Kazakhstan "Abai Vern" and is studying in France.

About 50 students 6B05102-Biotechnology attend the scientific circle "Colorit", where master's students in EP 6M05101-Veterinary Biotechnology help supervise the work of the circle, "Pharmacologist" - 10 people, "Inseminator" - 8 people, "Obstetrician" - 9 people, "Mal Sharuashylygy Technologies" - 26 people, "Morphologist" - 22 people, "Shekaradagy vetsan bakylau" - 6 people, "Pathology" - 6 people, "Kzykty zoology" - 19 people, "Zhas physiologist" - 6 people, "Biocolors" - 15 people, "Parasitologist" - 32 people.

In order to form an active civic position, develop personally significant and leadership qualities, independence, the youth wing "Zhastar ruhy", the Organization "Sanaly urpaq", the KATRU Students' Alliance, the Committee on Youth Affairs, the Student Trade Union Committee "Parasat", the Debate Club "DC MANGILIK", the Volunteer Organization "Komek", the Club "Shanyrak" etc. operate. <https://kazatu.edu.kz/page/studenskie-kluby>.

The university has a public association called the “Club of Graduates of the Kazakh Agrotechnical Research University named after S. Seifullin” <https://kazatu.edu.kz/pages/universitet/vypuskniki/klub-vypusknikov>. The Charter of the public association “Graduates’ Club of the Kazakh State Agrotechnical University named after S. Seifullin” was approved by the board of founders on January 19, 2007. <file:///C:/Users/KGM/Downloads/88a29ebaba37927bbfcf817e0e64fbb6.pdf>. The founders of the club are: Sauer I.A., Bulashev A.K., Omurzakov T.K., Mayer A.V., Nabiev M.A., Kasenov E.K. A graduate of the university, faculty of agricultural mechanization, doctor of technical sciences, professor Eskhozhin D.Z. opened a public fund "Development Fund of the Kazakh Agrotechnical University named after S.Seifullin" with its own account in "TemirBank" [Charter of the Public Foundation "Development Foundation of KATU named after S.Seifullin"](#).

The S.Seifullin KATRU Alumni Club assists in the education of students from low-income families, orphans, creatively gifted students who need financial support by awarding them with personal scholarships and other assistance related to their education or for participation in community work, amateur art shows, and various creative competitions of sports achievements. Provides financial assistance to students, athletes, and scientists of the university. In 2024, students and teachers of the faculty received awards of 200 thousand tenge in the nominations "Best Athlete", "Best Room", "Best University Blogger", "Best Scientist".

The university issues a diploma established sample NJSC "KATRU im. S. Seifullina" https://kazatu.edu.kz/assets/i/stud/ru_diplom.pdf, in addition to the diploma, a European-standard supplement - Diploma Supplement (DS).

Analytical part

The EEC notes that the University ensures compliance in terms of recognition of learning outcomes obtained in other Kazakh or foreign educational institutions, ongoing career guidance work to form a contingent; creation of conditions for an educational environment for students to achieve the required professional level; representatives of students in the collegial governing bodies of the University, methods of feedback and informing students, and the cultural and social life of students. The University does not discriminate against people with disabilities and creates positive conditions.

Students and postgraduates are well informed about the content of the training program, disciplines, and the qualifications received upon completion of training. From conversations with students, it was obvious that the main factor in choosing a university and EP were recommendations from relatives and friends who successfully studied at this university. In addition, employers highly appreciated the good theoretical preparation of students.

Academic mobility at the university is carried out on the basis of agreements with leading domestic and foreign universities, which allows for broad opportunities for international exchange. Involving students and faculty in mobility contributes to the development of professional and intercultural competencies, which is especially relevant within the framework of the educational program in biotechnology.

A comparative analysis of participation in academic mobility shows that undergraduate and graduate students have access to study and research programmes at universities in Europe, Asia and the USA. Such geographical coverage and participation in international study and research programmes strengthen the university’s international reputation and attract international students from countries such as Russia, Mongolia, China and Uzbekistan, creating a culturally diverse educational environment.

The implemented academic mobility programs also strengthen scientific ties: annual internships of master's students and practice in foreign research centers allow developing key competencies in biotechnology, which, in turn, contributes to the advanced training and employment prospects of graduates at the international level. Examples of students' participation in professional programs, such as "Logo" in Germany, as well as the scholarship program "Abay-Vern" in France, show that the biotechnology program not only supports the professional growth of students, but also strengthens the university's position in the international arena. According to the data presented, during the reporting period, 5 students underwent external academic mobility, 1 master's student underwent the scholarship program, 2 underwent professional practice "Logo", and 2 underwent the Work and Travel program.

In the future, this area requires strengthening, including attracting a larger number of students and postgraduates (see Table 1. Student population) to academic mobility and exchange programs.

All students are provided with practical training bases, and students are sufficiently involved in scientific and educational activities, which is confirmed by participation in conferences, olympiads, competitions, etc., where they receive prizes. The University cooperates with organizations (the Republican State Enterprise on the Right of Economic Management of the Ministry of Agriculture of the Republic of Kazakhstan "National Reference Center for Veterinary Medicine", the National Center for Biotechnology, the Republican Collection of Microorganisms, etc.) that have the necessary material and technical resources and qualified personnel, which allows students to obtain relevant and practical skills in real conditions. There are internships for students both within the country and abroad, which allows students to obtain relevant skills and experience. contribute to increasing the competitiveness of graduates in the labor market.

All procedures regulating the admission, accommodation and adaptation of foreign students are described. The university has developed documents that comply with the Lisbon Convention.

The University maintains contact with its graduates through several mechanisms: an Alumni Club, which organises events and ensures interaction between graduates and the University, which facilitates the exchange of experience and information on employment; the career path of graduates is monitored through the Career, Internship and Employment Centre, which collects data on their employment and professional activities; the University actively uses social networks and other online platforms to inform graduates about career opportunities, additional courses and current vacancies. These measures help maintain long-term relationships with graduates and adapt educational programmes to the needs of the labour market.

The Alumni Association regularly organizes events such as conferences and workshops, which allows alumni to stay up to date with news and developments in their field. It also promotes mentoring, where experienced alumni help new students adapt to the job market, which strengthens the community and creates additional career opportunities.

According to the results of the survey, students answered the question: *Accessibility counseling on personal problems* 66 (82.5%) responded "completely satisfied", 12 (15%) "partially satisfied", 2 (2.5%) "partially dissatisfied"; 67 (83.8%) responded "completely satisfied", 12 (15%) "partially satisfied" and 1 (1.2%) "partially dissatisfied" with the relationship between student and teacher; 62 (77.5%) responded "completely satisfied", 15 (18.8%) "partially satisfied", 3 (3.7%) "partially dissatisfied" with the quality of medical care at the university; 67 (83.8%) responded "completely satisfied", 11 (13.8%) "partially satisfied", 2 (2.5%) "partially dissatisfied" with the content and information content of the website of educational organizations in general and faculties (schools) in particular; The clarity of the procedures for taking disciplinary measures was assessed as "completely satisfied" by 68 (85%), "partially satisfied" by 10 (12.5%), and "not satisfied" by 2 (2.5%); The following respondents responded with the quality of the educational programs in the educational institution: "completely satisfied" - 74 (92.5%), "partially satisfied" - 3 (3.7%), "partially dissatisfied" - 3 (3.7%); "completely satisfied" - 69 (86.3%), "partially satisfied" - 10 (12.5%), "partially dissatisfied" - 1 (1.2%); "completely satisfied" - 67 (83.8%), "partially satisfied" - 13 (16.2%) regarding the quality of teaching in general; "Information support and explanation before entering the university of the rules for admission and the strategy of the educational program (specialty)" 70 (87.5%) - "completely satisfied", "partially satisfied" - 7 (8.8%), "partially dissatisfied" - 2 (2.5%) and "not satisfied" - 1 (1.2%).

Upon completion of the training and successful passing of the final assessment, the university issues a diploma of its own design with an appendix on the acquisition of the full volume of academic credits in those languages.

Strengths/Best Practices:

according to EP 6B05102-Biotechnology:

The University demonstrates high effectiveness in providing students with internships and facilitating their employment through a variety of partnerships with organisations, a high graduate employment rate (96% for undergraduates and 100% for postgraduates), and a careers centre that actively communicates with employers and alumni.

according to EP 6B05102-Biotechnology and 7M05101-Veterinary biotechnology:

Having an active alumni association helps strengthen the links between the university and its alumni, providing a platform for sharing experiences and professional contacts.

Recommendations:

- for the 2025-2026 academic year, the leadership of the EP should strengthen its work on academic mobility of students with leading foreign and domestic universities (increase to 10% of the total contingent of the EP).

Conclusions of the EEC based on the criteria:

According to the “Students” standard, 12 criteria are disclosed, of which, according to EP 6B05102-Biotechnology, 2 have a strong position, 10 are satisfactory, according to 7M05101-Veterinary Biotechnology, 1 is strong, 11 are satisfactory.

6.7. Standard "Teaching staff"

- *The university must have an objective and transparent personnel policy in the context of the educational program, including hiring (including invited faculty), professional growth and development of personnel, ensuring the professional competence of the entire staff.*
- *The university must demonstrate that the quality of the teaching staff complies with the established qualification requirements, the university strategy, and the goals of the educational program.*
- *The leadership of the EP must demonstrate the changing role of the teacher in connection with the transition to student-centred learning and teaching.*
- *The university must provide opportunities for career growth and professional development of teaching staff, including young teachers.*
- *The university must involve in teaching specialists from relevant fields who possess professional competencies that meet the requirements of the educational program.*
- *The university must demonstrate the existence of a mechanism for motivating the professional and personal development of the teaching staff.*
- *The university must demonstrate the widespread use of information and communication technologies and software by the teaching staff in the educational process (for example, on-line learning, e-portfolios, MOOCs, etc.).*
- *The university must demonstrate its focus on developing academic mobility and attracting the best foreign and domestic teachers.*
- *The university must demonstrate the involvement of each teacher in promoting a culture of quality and academic integrity in the university, and determine the contribution of the teaching staff, including invited faculty, to achieving the goals of the educational program.*
- *An important factor is the involvement of teaching staff in the development of the economy, education, science and culture of the region and the country.*

Evidential part

The University's personnel policy is aimed at effectively supporting the implementation of the University's strategy with a corporate culture and quality assurance system. The internal regulatory documents governing the University's personnel policy are the documented procedure [KATRU personnel policy;Regulations on the procedure for conducting the internal stage of selection of teachers of KATRU named after S. Seifullin for participation in the competition "Best University Teacher";Regulations on advanced training of employees;Regulation on the procedure for distributing the teaching load of the teaching staff;Regulation on the procedure for forming the staff of the teaching staff of departments in JSC"KATRU named after S. Seifullin";Regulation on the rules for competitive filling of vacant teaching staff positions;Regulation on incentive payments to teaching staff, scientific and other categories of workers.](#)

Systematic assessment of the effectiveness and quality of teaching is carried out by holding open classes, mutual visits by teachers in accordance with [IGD 201.13-2021 Regulation on planning, conducting and analyzing open classes, mutual visits of teaching staff](#), as well as the survey “The Teacher through the

Eyes of Students” in accordance with [IGD 203.7-2021 Regulation on monitoring the quality of educational activities](#).

The workload of the university's teaching staff is planned in hours, according to the time standards for planning educational, educational-methodical, organizational-methodical, research and educational work, approved at a meeting of the University's Academic Council (minutes No. 17 dated 02.06.2023). The annual teaching load of the teaching staff is formed based on the standards: for a professor, associate professor, senior lecturer and teacher 1.0 rate - 660-700 hours, for project managers 0.75 495-525 hours, head of department 0.25 rate - 165-175 hours, advisor-teacher 0.75 rate - 495-525 hours.

The formation and implementation of human resources are based on the following principles: personnel management; selection and placement of personnel; formation and preparation of a personnel reserve for promotion to management positions; competition, certification of personnel; advanced training; motivation and incentives. Information on competitive replacement of positions is posted on the university website <https://digital.kazatu.kz/ru/jobs/>, <https://kazatu.edu.kz/ru/pages/universitet/vakansii>.

The quantitative and qualitative indicator of the teaching staff for EP 6B05102-Biotechnology is provided by 64 teaching staff, including: 57 full-time, of which 19 are masters, 31 are candidates of science, 9 are PhDs, 5 are doctors of science. The percentage of teaching staff with a degree is 73.7%. The academic title of professor is 4, associate professor, associate professor - 31 people and EP 7M05101-Veterinary Biotechnology 21 teaching staff, including: 18 full-time, of which 1 is masters, 13 are candidates of science, 4 are PhDs, 3 are doctors of science. The percentage of teaching staff with a degree is 95.2%. The academic title of professor is 4, associate professor, associate professor - 31 people.

Personal information about each faculty member is posted on the university portal on the website <https://kazatu.edu.kz/facultets>, <https://kazatu.edu.kz/facultet/kafedra-mikrobiologii-i-biotehnologii>.

To implement the OP, part-time specialists from the relevant industries with professional competencies that meet the requirements of the EP are involved: National Center for Biotechnology LLP: Head of the Laboratory of Immunochemistry and Immunobiotechnology of the National Center for Biotechnology of the Ministry of Education and Science of the Republic of Kazakhstan Mukantayev K.N., Head of the Laboratory of Biotechnology and Plant Breeding of the National Center for Biotechnology of the Ministry of Education and Science of the Republic of Kazakhstan Kakimzhanova A.A., Head of the Laboratory of Molecular Biotechnology Abeldenov S.K., Head of the Laboratory of Biodiversity and Genetic Resources Kiyani V.S., Head of the Laboratory of Applied Genetics Shevtsov A.V., employees of the Republican Collection of Microorganisms LLP Abzhalelov A.B., General Director of the National Reference Center of Veterinary Medicine of the Republican State Enterprise on the Right of Economic Management of the Ministry of Agriculture of the Republic of Kazakhstan Berdikulov M.A., Director General of the Astana branch of the RSE on the Right of Economic Management of the Ministry of Agriculture of the Republic of Kazakhstan "Republican Veterinary Laboratory" Alimzhanova G.O. Head of the "Scientific and Production Platform of Agricultural Biotechnology" Doctor of Biological Sciences, Acting Professor Kukhar E.V.; Head of the Laboratory of the "Joint Kazakh-Chinese Laboratory for Biological Safety" Candidate of Veterinary Sciences Akanova Zh.Zh; employee of the "Joint Kazakh-Chinese Laboratory for Biological Safety" Master of Sciences Baibolin Zh.K.

Teaching staff of accredited EP holders of the title “Best University Teacher” of the Ministry of Education and Science of the Republic of Kazakhstan: Doctor of Biological Sciences, Professor Gazizova A.I. (2006), Ph.D., Associate Professor Ashymov S.A. (2007), Ph.D., Associate Professor Suranshiev Zh.A. (2008), Doctor of Historical Sciences, Professor Bulashev A.K. (2014, 2022), Ph.D., acting professor Akibekov O.S. (2019), Akibekov O.S., Nukesheva A.Zh. and others.

The teaching staff of the accredited educational institutions constantly improve their qualifications in the profile of disciplines, in teaching methods, in IT, in inclusive education at the national and international levels; certificates are available.

During the reporting period, the university management invited foreign scientists to give lectures as part of academic mobility: Muza Kirjušina from Daugavpils University (Latvia); professors from the Justus Liebig University of Giessen (Germany): Doctor of Veterinary Sciences, Director of the Institute of Obstetrics and Gynecology Axel Wehrend; Doctor of Veterinary Sciences, Academic Director of the Institute of Parasitology Carlos Hermosilla); lectures K. Bauer, Professor at the Justus Liebig University of Giessen,

Giessen, Germany, etc.

The choice of teaching methods and technologies, teaching styles at the university is based on the principles of fundamentals, innovations in education and individualization of education. The teaching staff of the accredited educational institutions pThey use various innovative technologies: Problem-based learning – PBL (problem-based learning) – Begenova A.B. Bulashev A.K.; “Flipped classroom” (flipped classroom) - all teaching staff who recorded video lecture courses in the Jalinga studio: Ashimov S.A., Suranshiev Zh.A., Gazizova A.I., Zhumabaev Kh.Zh.; Gaming technologies - Bekenova A.B., Abdrakhmanova G.K., Dzhamburshina D.G., Zhaumitova N.N. “Technology case” - Bekkuzhina S.S., Bekenova A.B., Dzhamburshina D.G. “Research method” - Bulashev A.K., Bekkuzhina S.S., Borovikov S.N., Muranets A.P. and others.

In recent years, the teaching staff of the department have been implementing funded grant projects and targeted financing programs of the Ministry of Agriculture of the Republic of Kazakhstan and the Ministry of Higher Education of the Republic of Kazakhstan. Funding for scientific research of the Department of Microbiology and Virology in the 2021-2023 academic years was carried out by 1 TPF "Development of methods for analytical control and monitoring of food safety" headed by - professor of the department Bulashev A.K. (Total funding - 540 million tenge, annual funding 180 million tenge), 5 GF MNVO RK for 2021-2025 for a total funding of 382,600,000 tenge, annual funding - 127,533,333). Thus, the total amount of funding for the department's research work was 922,600,000 tenge. Scientific projects of the teaching staff of the department, the grant funding competition of the Ministry of Healthcare of the Republic of Kazakhstan for 2024-2026: "Study of the expression level of Trichinella nativa genes at different stages of invasion into the body of the host animal", scientific supervisor O.S. Akibekov, "Rapid test for the diagnosis of toxoplasmosis in domestic animals", scientific supervisor S.N. Borovikov, "Using the genetic potential of the Edilbaev breed to improve the productive qualities of the Degeres breed of sheep in the conditions of Central Kazakhstan", scientific supervisor A.B. Begenova; State Fund "Zhas Galym" for 2024-2026: "Potential for the use of exopolysaccharides-probiotic lactic acid bacteria in food biotechnology", scientific supervisor A.B. Omarova; TPF for 2024-2026 "Sustainable Development of the AIC" of the Ministry of Agriculture of the Republic of Kazakhstan in the amount of 600,000,000 tenge: "Improving the level of food safety", scientific director Bulashev A.K.

During the reporting period, the scientific activity of the faculty was 174 articles, including 63 articles in top-rated foreign cited journals. Thomson Reuters Web of Science, Scopus, 29 - in SHEQAC MSHE RK, 10 patents, 2 certificates, 16 recommendations, etc. were published. Educational and methodological activity of the teaching staff - 11 teaching aids, 2 monographs, 3 methodological guidelines.

All teaching staff of the EP adhere to the principles of academic integrity and anti-corruption policy [Code of Academic Integrity for Participants in the Educational Process; Manual on Internal Quality Assurance System](#). The University has created an “Anti-Corruption Compliance Service on combating corruption of the S. Seifullin Kazakh Agrotechnical Research University”. <https://kazatu.edu.kz/ru/pages/universitet/antikorrupcionnyj-komplaens> .

In general, the teaching staff has a high professional and scientific-pedagogical level, which fully corresponds to the goals and objectives of training.

Analytical part

The members of the EEC confirm that the formation of the quantitative and qualitative composition of the university's teaching staff is implemented in accordance with the development strategy and is aimed at satisfying the university's needs for professional labor resources. All procedures for managing the university's personnel are transparent and accessible, strictly documented and meet the requirements of the current regulatory and legal acts. The main goal of the personnel policy is the effective management and development of the university's human potential, maintaining the optimal quantitative and qualitative composition of employees, as well as their professional and social development. Employees who have passed the competition for vacant positions are provided with all the necessary conditions for effective work.

The indicators for the qualitative and quantitative composition of the teaching staff confirm the presence of human resources necessary for the implementation of the entire range of educational programs

and corresponding to the qualification requirements for licensing educational activities.

The involvement of the faculty in the development of the economy, education, science and culture of the region and the country is an important aspect of the university's personnel policy. For example, teachers are actively involved in scientific research and project activities, which contributes to the introduction of innovative technologies in the agro-industrial sector. Thus, within the framework of a joint project with the National Center for Biotechnology, the faculty developed new methods for monitoring food safety, which significantly improved the quality of products in the region.

In addition, the university holds seminars and round tables with local entrepreneurs, where teachers share their knowledge and experience and receive feedback on business needs. This cooperation ensures the training of highly qualified specialists who are able to meet the demands of the labor market.

The faculty also actively participates in cultural initiatives, organizing exhibitions, lectures and master classes that help integrate university education into social and cultural contexts. For example, joint projects with local museums and cultural centers help to increase students' interest in the history and culture of the region, and strengthen ties between the university and society. According to the results of the faculty survey, when asked the question: How do you rate the opportunities provided by the University for professional development, the faculty answered "very good" - 40 (53.3%), "good" - 32 (42.7%), "relatively bad" - 3 (4%); "Rate the involvement of the faculty in the process of making management and strategic decisions" - 26 (34.7%) answered "very good" - 44 (58.7%), "good" - 3 (4%), "relatively bad" - 1 (1.3%); "very bad" - 1 (1.3%); "How is the innovative activity of the teaching staff encouraged?" 26 (34.7%) of the teaching staff answered "very good", 43 (57.3%) "good", 2 (2.7%) "relatively bad"; "How do you rate the work on organizing medical care and disease prevention at the university?" answered "very good" - 37 (49.3%), "good" - 37 (49.3%), "relatively bad" - 3 (4%), "bad" - 2 (2.7%); Rate the level of feedback of the teaching staff with the management very good - 30 (40%), good - 43 (57.3%), relatively bad - 2 (2.7%).

Strengths/Best Practices:

according to EP 6B05102-Biotechnology:

- The teaching staff of the accredited educational programs actively participate in the 4th State Fund of the Ministry of Higher Education of the Republic of Kazakhstan, the 1st State Fund "Zhas Galym" of the Ministry of Higher Education of the Republic of Kazakhstan, the Scientific and Practical Center of the Ministry of Agriculture of the Republic of Kazakhstan and others for 2024-2026, del;oiuydetrufiguomonstrating high publication activity in foreign journals (Thomson Reuters Web of Science, Scopus) and in the SHEQAC of the Ministry of Higher Education of the Republic of Kazakhstan, as well as in security documents (patents, certificates, etc.).

Recommendations:

There is no standard for this

Conclusions of the EEC based on the criteria:

According to the standard "Teaching staff", 10 criteria are disclosed, of which 1 have a strong position for EP 6B05102-Biotechnology, 9 have a satisfactory position, and 10 have a satisfactory position for 7M05101-Veterinary biotechnology.

6.8. Standard "Educational resources and student support systems"

- *The university must ensure that educational resources, including material and technical resources, and infrastructure comply with the goals of the educational program.*
- *The management of the EP must demonstrate the availability of classrooms, laboratories and other facilities equipped with modern equipment and ensuring the achievement of the OP's goals.*

The university must demonstrate that information resources meet the needs of the university and the educational programs being implemented, including in the following areas:

- *technological, bical support for students and teaching staff in accordance with educational programs (e.g. online learning, modeling, databases, data analysis programs);*
- *library resources, including a collection of educational, methodological and scientific literature on general educational, basic and specialized disciplines on paper and electronic media, periodicals, access to scientific databases;*
 - *examination of research results, graduation theses, dissertations for plagiarism;*
 - *access to educational Internet resources;*
 - *functioning of WI-FI on its territory.*
- *The university must demonstrate that it creates conditions for conducting scientific research, integrating science and education, and publishing the results of scientific research work by faculty, staff, and students.*
- *The university should strive to ensure that the educational equipment and software used for mastering educational programs are similar to those used in the relevant sectors of the economy.*
- *The leadership of the EP should demonstrate that there are procedures in place to support different groups of students, including information and consultation.*
- *The management of the educational institution must demonstrate the existence of conditions for the student's advancement along an individual educational trajectory.*
- *The university must take into account the needs of different groups of students (adults, working students, international students, as well as students with special educational needs).*
- *The university must ensure that its infrastructure meets safety requirements.*

Evidential part

JSC "Kazakh Agrotechnical Research University named after S. Seifullin" has a material and technical base that ensures the implementation of all types of practical training and research work of teaching staff and students, as provided for by the university curriculum. To provide medical care to students, there is a medical center with an area of 540(m²) <https://kazatu.edu.kz/ru/pages/universitet/studentskaa-zizn/departament-po-socialnym-voprosam>, catering facilities at the faculty "Veterinary Science and Animal Husbandry Technology" is represented by 2 canteens with 50-100 seats.

Students of EP 6B05101-Biotechnology and 7M05101-Veterinary Biotechnology have access to the following facilities: Academic Building No. 1 (main building), with a total area of 13,560.2 (m²); Academic Building No. 2 (Biology Faculty building), with a total area of 8,123.6 (m²); Academic Building No. 8 in Internatsionalnoye (Training Farm), which includes lecture halls, classrooms for practical classes, laboratories, language labs, computer and multimedia rooms, computer labs, libraries, reading rooms, canteens/buffets, a gym; 2 dormitories No. 5 and No. 8 with a total area of 3,168.9 and 8,755.6 (m²). The department operates an accredited "Joint Kazakh-Chinese Laboratory for Biological Safety", <https://kazatu.edu.kz/ru/facultet/kafedra-mikrobiologii-i-biotehnologii> which is accredited according to the standard - ISO / IEC 17025-2019, as well as 6 modern educational and scientific laboratories: "Microbiology", "Virology", "Biotechnology of microorganisms", "Cellular biotechnology", "Veterinary biotechnology", "Plant biotechnology", "Animal biotechnology", data from laboratories are used for organizing the educational process and research work of students and teaching staff.

The accredited educational programs are equipped with the following modern equipment to ensure the goals and results of the educational program: Thermocycler T 100 - 1 copy for the amount of 1,778,000 tenge, chamber for vertical electrophoresis - 1,077,139 tenge, Dewar flask - 340,000 tenge, manual rotary starter homogenizer - 611,611 tenge, heating plate - 648,000, ovoscope - 32,000 tenge, thermostat, Ph-meter C933C, Automatic microplate washer, voltammetric analyzer TA-Lab, water bath WB-4MS/, Vortex V-1 plus, Programmable two-chamber oven PDP-Lab complete with quartz glasses V = 20 ml (18 pcs.), Tablet EP incubator shaker with cooling function. Model IK KS 4000 ic control, Magnetic stirrer MSH-300 (with heating), Electronic scales e PA413 and others.

The information portal providing a wide range of information sources is the university website and the page on the website of the Center for Information and Educational Resources <https://library.kazatu.kz/index.php/ru/>. This page presents sections such as: Home (subject librarians, institutional repository, electronic resources), Electronic catalog, About the center, Readers, Teachers,

Guides, etc. The total collection is 1,351,106 units, of which 300,488 are the collection of literature in the state language, 1,647 are publications on electronic media, 1,720 publications of the PPS (Repository), 52 electronic resources, there is access to remote information resources: the domestic resource RMEB and electronic libraries of the world: Clarivate InCites (Insight), EBSCO, Elsevier SciVal (Saival), CAB Direct (Kabiabstract), Web of Science, Wiley, Scopus and Russian databases "Izdatelstvo "Lan", "eLibrary.ru" (NEB), "IPR SMART"<https://library.kazatu.kz/index.php/ru/chitatelyam/novye-postupleniya>. All academic buildings have a Center for Information and Educational Resources (library) and access to educational Internet resources, including 4 reading rooms (in building No. 1 (main building); No. 6 (in the building of the architectural and land management faculties); No. 5 (in the building of the agronomic faculty) and in dormitory No. 6) and an electronic reading room. The reading rooms are equipped with modern office equipment: computers, printers, scanner. Wi-Fi is constantly available on the territory of the university and the department for working in the Internet space.

The university uses the automated Antiplagiat system to check the following written works of students: master's theses, diploma theses, research projects, scientific works participating in the republican competition.

For the fast and high-quality provision of educational services to students on a "one-stop shop" basis, the Student Service Center (SSC) operates.<https://kazatu.edu.kz/ru/pages/coo/osnovnye-funkcii-coo>, and student support services<https://kazatu.edu.kz/ru/pages/universitet/studentskaa-zizn/departament-po-socialnym-voprosam>.

To ensure the proper level of security and safety of material assets, the university is equipped with a video surveillance system, and in order to ensure the safety of the educational process, the university is equipped with automatic fire alarm systems.

Analytical part

The EEC confirms the availability of support systems for students, including through the university website, to achieve the goals of its educational programs. The entire infrastructure, special classrooms and their operation are aimed at the successful implementation of educational tasks, including the implementation of all types of practical training and scientific research. The university's academic buildings are equipped with lecture halls, laboratories, multimedia rooms and computer rooms, which allows for the effective implementation of educational processes.

For accredited educational programs, access to accredited laboratories and information resources ensures a high level of training of students. In particular, the presence of an accredited laboratory "Joint Kazakh-Chinese Laboratory for Biological Safety", certified according to the ISO / IEC 17025-2019 standard, and six modern scientific laboratories (for example, "Microbiology", "Cellular Biotechnology", etc.) allow students and postgraduates to acquire practical skills in working with modern devices and equipment. For example, the use of "wet chemistry" methods on modern automated analyzers manufactured by FOSS Analytical (Denmark), the determination of crude protein is carried out using the Kjeldahl method on the FOSS KT200 Kijltec analyzer, the determination of crude fiber is carried out using the intermediate filtration method on the FOSS Fibertec FT121 / 122 analyzer; determination of crude fat - using the Soxhlet method, etc. This not only helps to master the educational material, but also increases the level of their preparation for professional activities and research in the field of biotechnology and veterinary science.

In addition, access to information resources through the University Center for Information and Educational Resources (library) and to electronic databases significantly expands the opportunities for students and postgraduates to conduct research and complete academic projects. These resources provide them with access to current scientific information and contribute to the development of independent scientific work skills. Taken together, such educational and scientific resources are an important advantage of accredited programs, maintaining the academic and professional training of students at a high level, which contributes to improving the quality of the educational process and the competitiveness of graduates in the labor market.

The University provides security and comfort for students, including a medical center, canteens and dormitories. The video surveillance and fire alarm system guarantees the protection of material assets and the safety of the educational process.

During the work of the commission, the university management demonstrated the sufficiency of material and technical resources and infrastructure intended for various groups of students according to the study programs. Equal opportunities and unimpeded access were provided for students with special educational needs.

An important element of the system for ensuring a high level of resource sufficiency and support systems for students is monitoring satisfaction with the quality of the educational process, which is carried out by means of a questionnaire. According to the results of the questionnaire, 65 students (81.3%) are completely satisfied with the support of educational materials during the learning process, 13 (16.2%) are partially satisfied, 1 (1.2%) are partially dissatisfied, and 1 (1.2%) are dissatisfied; 73 (91.3%) are completely satisfied with the level of availability of library resources, and 7 (8.8%) are partially satisfied. 74 (92.5%) are completely satisfied with the quality of services provided in libraries and reading rooms, and 6 (7.5%) are partially satisfied. 64 (80%) are completely satisfied with the availability and quality of Internet resources, 11 (13.7%) are partially satisfied, 2 (2.5%) are partially dissatisfied, and 3 (3.7%) are dissatisfied.

According to the results of the survey, the teaching staff assessed inadequate conditions for classes in classrooms often - 2 (2.7%), sometimes - 22 (29.7%), never - 50 (67.6%). No access to the Internet/weak Internet often - 4 (5.3%), sometimes - 35 (46.7%), never - 36 (48%). Lack of technical means of teaching in classrooms often - 2 (2.7%), sometimes - 19 (25.3%), never - 54 (72%). Assess the level of created conditions taking into account the needs of different groups of students: very good - 27 (36%), good - 45 (60%), relatively bad - 3 (4%).

Thus, the existing educational materials used in the organization of the educational process fully correspond to the stated mission, goals and objectives, and also meet the requirements of the educational program.

Strengths/Best Practices:

according to EP 6B05102-Biotechnology and 7M05101-Veterinary biotechnology:

- The management of the accredited educational programs demonstrates the material and technical base that ensures the achievement of the educational program goals. Such resources include the joint Kazakh-Chinese laboratory for biological safety accredited according to the ISO/IEC 17025-2019 standard, as well as modern scientific laboratories: Microbiology, Virology, Biotechnology of Microorganisms, Cellular Biotechnology, Veterinary Biotechnology, Plant Biotechnology and Animal Biotechnology. These laboratories are equipped with modern devices and equipment that support practical and research work. The university also has lecture halls, classrooms for practical classes, linguistic-computer and multimedia rooms, libraries, reading rooms, canteens and buffets, as well as sports complexes for comprehensive support of the educational process.

- The University provides the educational process with equipment and software similar to those used in the relevant sectors of the economy. These devices and technologies meet the standards used in biotechnological and veterinary laboratories and enterprises, which allows students to gain practical experience necessary for work in the real industry.

Recommendations:

There is no standard for this

Conclusions of the EEC based on the criteria:

According to the standard "Educational resources and student support systems" EP 6B05102-Biotechnology and 7M05101-Veterinary biotechnology disclose 13 criteria, of which 2 have a strong position, 11 are satisfactory.

6.9. Standard "Informing the Public"

- *The information published by the university must be accurate, objective, relevant and reflect all areas of the university's activities within the framework of the educational program.*

- *Public awareness should include support and clarification of the country's national development programs and the system of higher and postgraduate education.*
- *The university management should use a variety of methods of disseminating information (including the media, web resources, information networks, etc.) to inform the general public and interested parties.*

Information published by the university about the educational program must be objective and up-to-date and include:

- *the purpose and planned results of the educational program, the qualification awarded;*
- *information about the system for assessing students' academic achievements;*
- *information about academic mobility programs and other forms of cooperation with partner universities and employers;*
- *information on opportunities for developing personal and professional competencies of students and employment;*
- *data reflecting the positioning of the educational institution in the educational services market (at the regional, national, and international levels).*
- *An important factor is the publication of reliable information about the teaching staff, broken down by individuals, on open resources.*
- *The university must publish audited financial statements for the educational program on its own website.*
- *The university must accommodate information and links to external resources based on the results of external assessment procedures.*
- *An important factor is the placement of information on cooperation and interaction with partners, including scientific/consulting organizations, business partners, social partners and educational organizations.*

Evidential part

The university management uses various methods of disseminating information through the official website of the university, social networks, the university newspaper, information networks, etc. The university website publishes data on the university's strategic contribution to supporting state programs for the development of higher and postgraduate education, such as digitalization of the educational process and the development of academic mobility. The KATRU Development Program until 2029 provides for measures to integrate science and education, which contributes to the implementation of state priorities.

Information about the university's activities and the implementation of accredited educational programs is posted on the university's official website. <https://kazatu.edu.kz/ru/> in three languages. The site includes the following sections: University; Education; Science; Applicants; Educational programs; Faculties and departments; Announcements; COO; Library; Farmer; Career; Contacts. The site is intended for posting up-to-date information concerning the main areas of the university's activities. The information resource of the site is open, publicly available and is aimed at forming the image of the university for prompt and objective informing the public. The accuracy, objectivity, relevance, published by the university within the framework of the accredited educational program is ensured by the responsibility of the head of the educational program.

Information about academic mobility programs, internships and interaction with partner universities is posted on the university website in the section [Center for International Cooperation](#). Details are available on the foreign educational institutions and scientific partners with which cooperation is conducted, as well as information on opportunities for students and teachers of the university to exchange knowledge and experience.

Information on accredited educational programs is presented on the page of the Department of Microbiology and Biotechnology <https://kazatu.edu.kz/ru/facultet/kafedra-mikrobiologii-i-biotehnologii>, <https://kazatu.edu.kz/ru/facultet/kafedra-mikrobiologii-i-biotehnologii> and information on the academic degrees awarded by the university and the qualifications awarded is available at the link: <https://kazatu.edu.kz/ru/page/obrazovatel-nye-programmy-bakalavriata>. To ensure transparency and accessibility of information for students and applicants, the university details the goals and outcomes of each

educational program, and describes the qualification awarded and possible employment prospects. This information is located on the pages of the Department of Microbiology and Biotechnology, which facilitates a better understanding of the goals of study.

Information about teaching and learning is provided in syllabuses, teaching and methodological complexes, and is posted in the AIS Platonus system <https://platonus.kazatu.kz/>. The assessment procedure is the same for all educational programs and is regulated by VND SO 02.2078-2022 “Organization of monitoring academic performance during current and midterm assessment of students”.

The University actively engages with employers, including information on professional opportunities for graduates and skills in demand in the industry. Job fairs are held, which allow students to stay up to date with current offers on the labor market and help strengthen ties with business partners, as well as [The university website provides information](#) about the procedure for distributing graduates at the university.

The university website has a page called “Facts and Figures” <https://kazatu.edu.kz/ru/pages/universitet/o-nas/fakty-i-cifry>, which reflects data on the positioning of the university and the educational institution in the educational services market (at the regional, national, and international levels). The university's achievements in rankings and links to external resources are presented on the university page <https://kazatu.edu.kz/ru/pages/universitet/o-nas/dostizenia-universiteta-v-rejtingah>.

For each OP, the site provides [information about the teaching staff](#), including academic degrees and achievements of employees, which allows us to assess their qualifications and experience.

The university's official website, in the "About Us" section, contains reports on the results of external inspections and audits, ensuring transparency. [financial activities of the university](#).

The public is informed about cooperation and interaction with partners within the framework of the EP, including scientific/consulting organizations, business partners, social partners and educational organizations through the university website, through announcements in the media, on social network pages. Contact information for the Department of Microbiology and Biotechnology is posted on the department page <https://kazatu.edu.kz/ru/facultet/kafedra-mikrobiologii-i-biotehnologii>.

Analytical part

During the work of the EEC, interviews were conducted with the university management, teachers, students, employers and graduates, as a result of which the objectivity and reliability of the published data on the educational program was revealed. Employees can get information about the program on the official website of the university. It was noted that the provision of information on topical issues is carried out both through the site and through the internal networks of the university. The availability of information in several languages increases the level of accessibility for different categories of users. The site presents measures to support the state program for the digitalization of the educational process, the development of academic mobility, the integration of science and education, which reinforces its contribution to national goals.

The EEC notes that the university actively uses the website and social networks: Facebook, Instagram, LinkedIn and others, to publish news, events and achievements, which makes information available to students, teachers, employers and the public. To attract and inform applicants, the university holds job fairs and career guidance meetings, actively cooperates with the media, where reports and articles about the achievements of the university and support for government initiatives are published. A university newspaper is published quarterly, and internal information networks for employees and students also function.

The university website provides up-to-date and detailed information on educational programs, including learning objectives and outcomes, allowing applicants and students to clearly understand what skills and knowledge they will acquire and what qualifications they will receive upon completion of the program. In the relevant sections, such as “Educational Programs” and “Faculties and Departments”, you can find a description of the student assessment system, which makes the process of monitoring academic performance transparent.

The website also provides information on academic mobility opportunities, including exchange programs and internships conducted in cooperation with partner universities and employers. The Center for

International Cooperation publishes details of international agreements and programs, which allows students to plan participation in exchanges and build up professional experience at other educational institutions.

To develop competencies and employment, the university holds job fairs and events with business representatives, and cooperates with employers to update curricula. The site includes a section "Facts and Figures", reflecting information and links to external resources based on the results of external evaluation procedures and data on the positioning of educational programs at the regional, national and international levels, which confirms their relevance and competitiveness.

However, during interviews, some employers noted that they were not always informed about the actions taken to change and/or supplement the EP or the content of disciplines based on their proposals.

The university actively publishes information about cooperation with partners, including scientific and consulting organizations, business partners and social institutions. The website provides information on joint projects and events, such as round tables and seminars, which facilitate the exchange of experience. This allows the public to be aware of current initiatives and opportunities for students and teachers, and also improves the image of the university and creates prospects for the professional development of students.

According to the results of the survey of students "Content and informational fullness of the website of educational organizations in general and faculties (schools) in particular" answered "completely satisfied" - 67 (83.8%), "partially satisfied" - 11 (13.8%), "partially dissatisfied" - 2 (2.5%); information requirements for successfully completing a given educational program (specialty) are completely satisfied - 72 (90%), partially satisfied - 6 (7.5%), partially dissatisfied - 2 (2.5%). Informing students about courses, educational programs and the academic degree received answered "completely satisfied" - 70 (87.5%), "partially satisfied" - 8 (10%), "partially dissatisfied" - 2 (2.5%).

Based on the results of the survey, the teaching staff rated the question "How often do you encounter the following problems in your work: untimely receipt of information about events" sometimes – 23 (30.7%), never – 52 (69.3%).

Strengths/Best Practices:

No strengths identified.

Recommendations:

There is no standard for this

Conclusions of the EEC based on the criteria:

According to the standard "Informing the public" EP 6B05102-Biotechnology and 7M05101-Veterinary biotechnology disclose 12 criteria, of which 12 have a satisfactory position.

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

According to the standard "Educational Program Management" according to EP 6B05102-Biotechnology:

- *The uniqueness of the development plan of the educational institution is ensured by the internal quality assurance system, which supports the development strategy as a research university and is adapted to the mission of the university, which is focused on interdisciplinary research.*

- *The University demonstrates effective management of innovations within the framework of the EP, actively analyzing and implementing new methods and technologies in teaching using modern devices and equipment.*

according to EP 6B05102-Biotechnology and 7M05101-Veterinary biotechnology:

- *The leadership of the educational institution demonstrates openness and accessibility to students, teaching staff, employers and other interested parties through a multi-level system of interaction and transparency in decision-making.*

According to the standard "Information Management and Reporting" according to EP 6B05102-Biotechnology:

At the university, information support for scientific research is organized through specialized centers and electronic systems. The Center for Information and Educational Resources provides access to the necessary library and educational resources, including a repository for publications and scientific papers. The Platonus AIS is used to manage information about the educational process, and the university's educational portal conducts surveys and posts materials that help collect data for analysis and improve the quality of research.

According to the standard "Development and approval of educational programs" according to EP 6B05102-Biotechnology:

- *The qualification awarded upon completion of the EP is clearly defined and explained in accordance with the NQF and QF-EHEA levels. Graduates acquire knowledge, skills and competencies corresponding to specific NQF levels and thus have the necessary preparation for professional activity and further development.*

- *The EP manual demonstrates a modular structure based on the European Credit Transfer and Accumulation System, ensuring that the content and structure of the modules are consistent with the programme objectives and intended learning outcomes.*

- *The management of the EP actively positions the accredited EPs at the national level, emphasizing the uniqueness of the EP. The EPs are focused on the needs of the labor market and in-demand skills, which is confirmed by the high level of employment of graduates and their [leading positions in the ranking of universities](#). The university occupies a worthy position in the largest world and Kazakhstani university rankings.*

According to the standard "Continuous monitoring and periodic evaluation of educational programs":

No strengths identified.

According to the standard "Student-centred learning, teaching and assessment of academic performance":

No strengths identified.

According to the standard "Students" according to EP 6B05102-Biotechnology:

The University demonstrates high effectiveness in providing students with internships and facilitating their employment through a variety of partnerships with organisations, a high graduate employment rate

(96% for undergraduates and 100% for postgraduates), and a careers centre that actively communicates with employers and alumni.

according to EP 6B05102-Biotechnology and 7M05101-Veterinary biotechnology:

Having an active alumni association helps strengthen the links between the university and its alumni, providing a platform for sharing experiences and professional contacts.

According to the standard "Teaching staff" according to EP 6B05102-Biotechnology:

- The teaching staff of the accredited educational programs actively participate in the 4th State Fund of the Ministry of Higher Education of the Republic of Kazakhstan, the 1st State Fund "Zhas Galym" of the Ministry of Higher Education of the Republic of Kazakhstan, the Scientific and Practical Center of the Ministry of Agriculture of the Republic of Kazakhstan and others for 2024-2026, demonstrating high publication activity in foreign journals (Thomson Reuters Web of Science, Scopus) and in the SHEQAC of the Ministry of Higher Education of the Republic of Kazakhstan, as well as in security documents (patents, certificates, etc.).

According to the standard "Educational resources and student support systems" according to EP 6B05102-Biotechnology and 7M05101-Veterinary biotechnology:

- The management of the accredited educational programs demonstrates the material and technical base that ensures the achievement of the educational program goals. Such resources include the joint Kazakh-Chinese laboratory for biological safety accredited according to the ISO/IEC 17025-2019 standard, as well as modern scientific laboratories: Microbiology, Virology, Biotechnology of Microorganisms, Cellular Biotechnology, Veterinary Biotechnology, Plant Biotechnology and Animal Biotechnology. These laboratories are equipped with modern devices and equipment that support practical and research work. The university also has lecture halls, classrooms for practical classes, linguistic-computer and multimedia rooms, libraries, reading rooms, canteens and buffets, as well as sports complexes for comprehensive support of the educational process.

- The University provides the educational process with equipment and software similar to those used in the relevant sectors of the economy. These devices and technologies meet the standards used in biotechnological and veterinary laboratories and enterprises, which allows students to gain practical experience necessary for work in the real industry.

According to the "Public Information" standard:

No strengths identified.

(VIII) OVERVIEW OF QUALITY IMPROVEMENT RECOMMENDATIONS FOR EACH STANDARD

According to the standard "Educational Program Management"

- When preparing for the next external quality assurance procedure, take into account the degree of implementation of recommendations received during previous procedures, in particular the publication of information on planned changes in educational programs on the official website of the university (Standard 4, 75%).

According to the standard "Information Management and Reporting"

- The university management shall complete the work on updating the content of consent to the processing of personal data taking into account current regulations and their receipt by university employees by 30.12.2024.

According to the standard "Development and approval of the educational program"

- The leadership of the educational program should develop a plan for cooperation with foreign universities on the design and implementation of double-degree educational programs and/or joint educational programs by the beginning of the 2025-2026 academic year.

According to the standard "Continuous monitoring and periodic evaluation of educational programs"

-The management of the EP shall publish the changes made to the educational programs on an ongoing basis on the website and other information resources of the university.

According to the standard "Student-centered learning, teaching and assessment of academic performance"

- The leadership of the educational institution must plan to conduct its own research in the field of teaching methods for academic disciplines before the start of the 2025-2026 academic year.

According to the standard "Students"

- for the 2025-2026 academic year, the leadership of the EP should strengthen its work on academic mobility of students with leading foreign and domestic universities (increase to 10% of the total contingent of the EP).

According to the standard "Teaching staff"

There is no standard for this

According to the standard "Educational resources and student support systems"

There is no standard for this

According to the standard "Informing the public"

There is no standard for this

(IX) RECOMMENDATION TO THE ACCREDITATION COUNCIL

The members of the external expert commission came to the unanimous opinion that the educational program **6B05102-Biotechnology**, implemented by the JSC "Kazakh Agrotechnical Research University named after S. Seifullin", may be accredited for a period of 7 (seven) years.

The members of the external expert commission came to the unanimous opinion that the educational program **7M05101-Veterinary biotechnology**, implemented by the JSC "Kazakh Agrotechnical Research University named after S. Seifullin", may be accredited for a period of 5 (five) years.



Appendix 1. Evaluation table “Conclusion of the external expert commission”

**Conclusion of the external expert commission on quality assessment
educational programs 6B05102-Biotechnology JSC "Kazakh Agrotechnical Research University
named after S.Seifullin"**

№ p\p	№ p\p	Evaluation criteria	Position of the educational organization			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
1. Standard "Educational Program Management"						
1	1.	The university must demonstrate the development of the goal and strategy for the development of the educational program based on the analysis of external and internal factors with the broad involvement of various stakeholders.		+		
2	2.	Quality assurance policies should reflect the relationship between research, teaching and learning		+		
3	3.	The university demonstrates the development of a quality assurance culture		+		
4	4.	Commitment to quality assurance should apply to all activities carried out by contractors and partners (outsourcing), including in the implementation of joint/dual degree education and academic mobility		+		
5	5.	The management of the EP ensures transparency in the development of the EP development plan based on an analysis of its functioning, the actual positioning of the university and the focus of its activities on meeting the needs of the state, employers, stakeholders and students.		+		
6	6.	The management of the educational program demonstrates the functioning of mechanisms for the formation and regular revision of the educational program development plan and monitoring of its implementation, assessment of the achievement of educational goals, compliance with the needs of students, employers and society, and decision-making aimed at continuous improvement of the educational program		+		
7	7.	The management of the educational institution must involve representatives of stakeholder groups, including employers, students and teaching staff, in the formation of the educational institution development plan.		+		
8	8.	The leadership of the educational institution must demonstrate the individuality and uniqueness of the educational institution's development plan, its consistency with national development priorities and the development strategy of the educational organization.	+			
9	9.	The university must demonstrate a clear definition of those responsible for business processes within the EP, the distribution of job responsibilities of personnel, and the			+	

		delineation of the functions of collegial bodies.				
10	10.	The EP management ensures coordination of the activities of all persons involved in the development and management of the EP and its continuous implementation, and also involves all interested persons in this process.		+		
11	11.	The management of the EP must ensure the transparency of the management system, the functioning of the internal quality assurance system, including its design, management and monitoring, and the adoption of appropriate decisions.		+		
12	12.	The management of the EP must implement risk management		+		
13	13.	ManagementThe EP must ensure the participation of representatives of interested parties (employers, teaching staff, students) in the collegial bodies managing the educational program, as well as their representativeness in decision-making on issues of managing the educational program.		+		
14	14.	The university must demonstrate innovation management within the framework of the EP, including the analysis and implementation of innovative proposals	+			
15	15.	The leadership of the educational institution must demonstrate its openness and accessibility to the teaching staff, employers and other interested parties.	+			
16	16.	The management of the EP confirms completion of training in educational management programs		+		
17	17.	ManagementThe EP shall ensure that progress made since the last external quality assurance procedure is taken into account in preparation for the next procedure.		+		
Total by standard			3	13	1	
2. Standard "Information Management and Reporting"						
18	1.	The university must ensure the functioning of a system for collecting, analyzing and managing information based on modern information and communication technologies and software		+		
19	2.	The EP management demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system		+		
20	3.	The EP management demonstrates the existence of a reporting system reflecting the activities of all structural divisions and departments within the EP, including an assessment of their performance		+		
21	4.	The university must determine the frequency, forms and methods of assessing the management of the educational institution, the activities of collegial bodies and structural divisions, and senior management.		+		
22	5.	The university must demonstrate a mechanism for ensuring the protection of information, including the identification of persons responsible for the accuracy and timeliness of information analysis and the provision of data.		+		
23	6.	The university demonstrates the involvement of students, employees and faculty in the processes of collecting and analyzing information, as well as making decisions based on it		+		
24	7.	The leadership of the educational institution must demonstrate the existence of mechanisms for communication with students, employees and other stakeholders, including		+		

		conflict resolution.				
25	8.	The university must ensure that the degree of satisfaction of the needs of the teaching staff, personnel and students within the framework of the EP is measured and demonstrate evidence of the elimination of the identified deficiencies.			+	
26	9.	The university must evaluate the effectiveness and efficiency of its activities, including in the context of the educational program		+		
		The information collected and analyzed by the university within the framework of the EP must take into account:				
27	10.	Key performance indicators		+		
28	11.	dynamics of the student contingent in terms of forms and types		+		
29	12.	academic performance, student achievement and dropout		+		
30	13.	satisfaction of students with the implementation of the educational program and the quality of education at the university		+		
31	14.	availability of educational resources and support systems for learners		+		
32	15.	employment and career growth of graduates		+		
33	16.	Students, staff and faculty must document their consent to the processing of personal data.			+	
34	17.	The management of the EP should facilitate the provision of all necessary information in the relevant fields of science.	+			
Total by standard			1	14	2	
3. Standard "Development and approval of the educational program"						
35	1.	The university must demonstrate the existence of a documented procedure for developing the EP and its approval at the institutional level.		+		
36	2.	The university must demonstrate the compliance of the developed educational program with the established goals and planned learning outcomes.		+		
37	3.	The leadership of the EP should determine the influence of disciplines and professional practices on the formation of learning outcomes		+		
38	4.	The university can demonstrate the presence of a graduate model of the EP, describing the learning outcomes and personal qualities		+		
39	5.	The qualification awarded upon completion of the EP must be clearly defined, explained and correspond to a specified level of the NQF, QF-EHEA	+			
40	6.	The management of the EP must demonstrate the modular structure of the program based on the European Credit Transfer and Accumulation System (ECTS), ensure that the EP and its modules (in terms of content and structure) comply with the set goals with a focus on achieving the planned learning outcomes.	+			
41	7.	The management of the educational institution must ensure that the content of academic disciplines and learning outcomes correspond to each other and to the level of education (bachelor's, master's, doctoral)		+		
42	8.	The management of the EP must demonstrate that external examinations of the EP have been carried out.		+		
43	9.	The management of the educational program must provide evidence of the participation of students, faculty and other stakeholders in the development of the educational program		+		

		and ensuring its quality.				
44	10.	The management of the educational institution must demonstrate the educational institution's positioning in the educational market (regional/national/international), its uniqueness	+			
45	11.	An important factor is the ability to prepare students for professional certification		+		
46	12.	An important factor is the presence of a double-degree program and/or joint programs with foreign universities.		+		
Total by standard			3	9		
4. Standard "Continuous monitoring and periodic evaluation of educational programs"						
47	1.	The university must ensure a revision of the content and structure of the educational program, taking into account changes in the labor market, employers' requirements and the social demands of society.		+		
48	2.	The university must demonstrate the existence of a documented procedure for monitoring and periodically evaluating the EP to achieve the EP goal. The results of these procedures are aimed at continuous improvement of the EP		+		
		Monitoring and periodic evaluation of the EP should consider:				
49	3.	the content of the programs in the context of the latest achievements of science and technology in a specific discipline		+		
50	4.	changes in the needs of society and the professional environment		+		
51	5.	workload, academic performance and graduation of students		+		
52	6.	the effectiveness of student assessment procedures		+		
53	7.	needs and satisfaction of learners		+		
54	8.	compliance of the educational environment and the activities of support services with the objectives of the educational program		+		
55	9.	All interested parties must be informed of any planned or undertaken actions in relation to the EP. All changes made to the EP must be published.		+		
56	10.	Support services should identify the needs of different groups of students and their level of satisfaction with the organization of learning, teaching, assessment, and mastering of the educational program as a whole.		+		
Total by standard				10		
5. Standard "Student-centered learning, teaching and assessment of academic performance"						
57	1.	The leadership of the educational institution must ensure respect and attention to different groups of students and their needs, providing them with flexible learning paths		+		
58	2.	The management of the educational program must ensure teaching based on modern achievements of world science and practice in the field of training, the use of various modern teaching methods and assessment of learning outcomes that ensure the achievement of the educational program goals, including competencies and skills for performing scientific work at the required level.		+		
59	3.	The management of the educational program must determine the mechanisms for distributing the students' academic workload between theory and practice within the educational program, ensuring that each graduate masters the content and		+		

		achieves the educational program's goals.				
60	4.	An important factor is the presence of own research in the field of teaching methods of the EP disciplines		+		
61	5.	The university must ensure that the procedures for assessing learning outcomes correspond to the planned results and objectives of the educational program.		+		
62	6.	The university must ensure consistency, transparency and objectivity of the mechanism for assessing the learning outcomes of the EP. The criteria and methods for assessing learning outcomes must be published in advance.		+		
63	7.	Assessors must be proficient in modern methods of assessing learning outcomes and regularly improve their skills in this area.		+		
64	8.	The leadership of the EP must demonstrate the existence of a feedback system on the use of various teaching methods and assessment of learning outcomes		+		
65	9.	The leadership of the EP should demonstrate support for learner autonomy while providing guidance and assistance from the teacher.		+		
66	10.	The management of the educational institution must demonstrate the existence of a procedure for responding to student complaints.		+		
Total by standard				10		
6. Standard "Students"						
67	1.	The university must demonstrate the policy for forming the contingent of students and ensure transparency of its procedures. The procedures regulating the life cycle of students (from admission to completion) must be defined, approved, published		+		
68	2.	The management of the EP should provide for the implementation of special adaptation and support programs for newly admitted and foreign students.		+		
69	3.	The university must demonstrate that its actions comply with the Lisbon Recognition Convention, including 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 informal education.		+		
70	4.	The university must provide opportunities for external and internal academic mobility of students, as well as assist them in obtaining external grants for study.		+		
71	5.	The university should actively encourage students to self-educate and develop outside the main program (extracurricular activities)		+		
72	6.	An important factor is the presence of a mechanism to support gifted students		+		
73	7.	The institution must demonstrate cooperation with other educational organisations and national centres of the "European Network of National Information Centres on Academic Recognition and Mobility/National Academic Recognition Information Centres" ENIC/NARIC in order to ensure comparable recognition of qualifications		+		
74	8.	The university must provide students with internships, demonstrate the procedure for facilitating the employment of graduates, and maintaining contact with them.	+			
75	9.	The university must demonstrate the procedure for issuing		+		

		graduates with documents confirming the qualifications they have received, including the learning outcomes they have achieved				
76	10.	The management of the EP must demonstrate that graduates of the program have skills that are in demand in the labor market and that these skills are actually in demand in the labor market.		+		
77	11.	The management of the EP must demonstrate the existence of a mechanism for monitoring the employment and professional activities of graduates		+		
78	12.	An important factor is the presence of an active alumni association/association	+			
Total by standard			2	10		
7. Standard "Teaching staff"						
79	1.	The university must have an objective and transparent personnel policy in the context of the educational program, including hiring (including invited faculty), professional growth and development of personnel, ensuring the professional competence of the entire staff.		+		
80	2.	The university must demonstrate that the quality of the teaching staff complies with the established qualification requirements, the university strategy, and the goals of the educational program.		+		
81	3.	The leadership of the EP must demonstrate the changing role of the teacher in connection with the transition to student-centred learning and teaching		+		
82	4.	The university should provide opportunities for career growth and professional development of teaching staff, including young teachers		+		
83	5.	The university must involve in teaching specialists from relevant fields who possess professional competencies that meet the requirements of the EP		+		
84	6.	The university must demonstrate the existence of a mechanism for motivating the professional and personal development of the teaching staff		+		
85	7.	The university must demonstrate the widespread use of teaching staff, information and communication technologies and software in the educational process (for example, on-line learning, e-portfolio, MOOCs, etc.)		+		
86	8.	The university must demonstrate its focus on developing academic mobility and attracting the best foreign and domestic teachers.		+		
87	9.	The university must demonstrate the involvement of each teacher in promoting a culture of quality and academic integrity in the university, determine the contribution of the teaching staff, including invited ones, to achieving the goals of the EP		+		
88	10.	An important factor is the involvement of the teaching staff in the development of the economy, education, science and culture of the region and the country.	+			
Total by standard			1	9		
8. Standard "Educational resources and student support systems"						
89	1.	The university must ensure that educational resources, including material and technical resources, and infrastructure comply with the goals of the educational program.		+		
90	2.	The management of the EP must demonstrate the availability of classrooms, laboratories and other facilities equipped with	+			

		modern equipment and ensuring the achievement of the OP's goals.				
		The university must demonstrate that information resources meet the needs of the university and the educational programs being implemented, including in the following areas:				
91	3.	technological support for students and teaching staff in accordance with educational programs (e.g. online learning, modeling, databases, data analysis programs)		+		
92	4.	library resources, including a collection of educational, methodological and scientific literature on general education, basic and specialized disciplines on paper and electronic media, periodicals, access to scientific databases		+		
93	5.	examination of research results, graduation papers, dissertations for plagiarism		+		
94	6.	access to educational Internet resources		+		
95	7.	Wi-Fi operation on your territory		+		
96	8.	The university must demonstrate that it creates conditions for conducting scientific research, integrating science and education, and publishing the results of scientific research work by faculty, staff, and students.		+		
97	9.	The university should strive to ensure that the educational equipment and software used for mastering educational programs are similar to those used in the relevant sectors of the economy.	+			
98	10.	The management of the EP should demonstrate that there are procedures in place to support different groups of students, including information and consultation.		+		
99	11.	The management of the educational institution must demonstrate the existence of conditions for the student's advancement along an individual educational trajectory.		+		
100	12.	The university must take into account the needs of different groups of students (adults, working students, international students, as well as students with special educational needs)		+		
101	13	The university must ensure that its infrastructure meets safety requirements		+		
Total by standard			2	11		
9. Standard "Informing the Public"						
102	1.	The information published by the university must be accurate, objective, relevant and reflect all areas of the university's activities within the framework of the educational program.		+		
103	2.	Public awareness should include support and clarification of national development programs for the country and the system of higher and postgraduate education		+		
104	3.	The university management should use a variety of methods of disseminating information (including the media, web resources, information networks, etc.) to inform the general public and interested parties.		+		
		Information published by the university about the educational program must be objective and up-to-date and include:				
105	4.	the purpose and planned results of the educational program, the qualification awarded		+		
106	5.	information and the system of assessing the academic achievements of students		+		
107	6.	information on academic mobility programs and other forms of cooperation with partner universities and employers		+		
108	7.	information on opportunities for developing students' personal		+		

		and professional competencies and employment				
109	8.	data reflecting the positioning of the educational institution in the educational services market (at the regional, national, international levels)		+		
110	9.	An important factor is the publication of reliable information about the PPS, broken down by individuals, on open resources		+		
111	10.	The university must publish audited financial statements for the EP on its own web resource.		+		
112	11.	The university must post information and links to external resources based on the results of external assessment procedures.		+		
113	12.	An important factor is the placement of information on cooperation and interaction with partners, including scientific/consulting organizations, business partners, social partners and educational organizations.		+		
Total by standard				12		
TOTAL			12	98	3	

12 (10.6%) The parameter has the position "strong"

98 (86.7%) The parameter has the position "satisfactory"

3 (2.7%) The parameter has the position "improvement is expected"

0 (0%) The parameter has the position "unsatisfactory"



**Conclusion of the external expert commission on quality assessment
educational programs 7M05101-Veterinary biotechnology JSC "Kazakh Agrotechnical Research
University named after S.Seifullin"**

№ p\p	No. p\p	Evaluation criteria	Position of the educational organization			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
1. Standard "Educational Program Management"						
1	1.	The university must demonstrate the development of the goal and strategy for the development of the educational program based on the analysis of external and internal factors with the broad involvement of various stakeholders.		+		
2	2.	Quality assurance policies should reflect the relationship between research, teaching and learning		+		
3	3.	The university demonstrates the development of a quality assurance culture		+		
4	4.	Commitment to quality assurance should apply to all activities carried out by contractors and partners (outsourcing), including in the implementation of joint/dual degree education and academic mobility		+		
5	5.	The management of the EP ensures transparency in the development of the EP development plan based on an analysis of its functioning, the actual positioning of the university and the focus of its activities on meeting the needs of the state, employers, stakeholders and students.		+		
6	6.	The management of the educational program demonstrates the functioning of mechanisms for the formation and regular revision of the educational program development plan and monitoring of its implementation, assessment of the achievement of educational goals, compliance with the needs of students, employers and society, and decision-making aimed at continuous improvement of the educational program		+		
7	7.	The management of the educational institution must involve representatives of stakeholder groups, including employers, students and teaching staff, in the formation of the educational institution development plan.		+		
8	8.	The leadership of the educational institution must demonstrate the individuality and uniqueness of the educational institution's development plan, its consistency with national development priorities and the development strategy of the educational organization.		+		
9	9.	The university must demonstrate a clear definition of those responsible for business processes within the EP, the distribution of job responsibilities of personnel, and the delineation of the functions of collegial bodies.			+	
10	10.	The EP management ensures coordination of the activities of all persons involved in the development and management of the EP and its continuous implementation, and also involves all		+		

		interested persons in this process.				
11	11.	The management of the EP must ensure the transparency of the management system, the functioning of the internal quality assurance system, including its design, management and monitoring, and the adoption of appropriate decisions.		+		
12	12.	The management of the EP must implement risk management		+		
13	13.	Management The EP must ensure the participation of representatives of interested parties (employers, teaching staff, students) in the collegial bodies managing the educational program, as well as their representativeness in decision-making on issues of managing the educational program.		+		
14	14.	The university must demonstrate innovation management within the framework of the EP, including the analysis and implementation of innovative proposals		+		
15	15.	The leadership of the educational institution must demonstrate its openness and accessibility to the teaching staff, employers and other interested parties.	+			
16	16.	The management of the EP confirms completion of training in educational management programs		+		
17	17.	ManagementThe EP shall ensure that progress made since the last external quality assurance procedure is taken into account in preparation for the next procedure.		+		
Total by standard			1	15	1	
2. Standard "Information Management and Reporting"						
18	1.	The university must ensure the functioning of a system for collecting, analyzing and managing information based on modern information and communication technologies and software		+		
19	2.	The EP management demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system		+		
20	3.	The EP management demonstrates the existence of a reporting system reflecting the activities of all structural divisions and departments within the EP, including an assessment of their performance		+		
21	4.	The university must determine the frequency, forms and methods of assessing the management of the educational institution, the activities of collegial bodies and structural divisions, and senior management.		+		
22	5.	The university must demonstrate a mechanism for ensuring the protection of information, including the identification of persons responsible for the accuracy and timeliness of information analysis and the provision of data.		+		
23	6.	The university demonstrates the involvement of students, employees and faculty in the processes of collecting and analyzing information, as well as making decisions based on it		+		
24	7.	The leadership of the educational institution must demonstrate the existence of mechanisms for communication with students, employees and other stakeholders, including conflict resolution.		+		
25	8.	The university must ensure that the degree of satisfaction of the needs of the teaching staff, personnel and students within the framework of the EP is measured and demonstrate evidence of the elimination of the identified deficiencies.			+	
26	9.	The university must evaluate the effectiveness and efficiency of its activities, including in the context of the educational program		+		
		The information collected and analyzed by the university within				

		the framework of the EP must take into account:				
27	10.	Key performance indicators		+		
28	11.	dynamics of the student contingent in terms of forms and types		+		
29	12.	academic performance, student achievement and dropout		+		
30	13.	satisfaction of students with the implementation of the educational program and the quality of education at the university		+		
31	14.	availability of educational resources and support systems for learners		+		
32	15.	employment and career growth of graduates		+		
33	16.	Students, staff and faculty must document their consent to the processing of personal data.			+	
34	17.	The management of the EP should facilitate the provision of all necessary information in the relevant fields of science.		+		
Total by standard			0	15	2	
3. Standard "Development and approval of the educational program"						
35	1.	The university must demonstrate the existence of a documented procedure for developing the EP and its approval at the institutional level.		+		
36	2.	The university must demonstrate the compliance of the developed educational program with the established goals and planned learning outcomes.		+		
37	3.	The leadership of the EP should determine the influence of disciplines and professional practices on the formation of learning outcomes		+		
38	4.	The university can demonstrate the presence of a graduate model of the EP, describing the learning outcomes and personal qualities		+		
39	5.	The qualification awarded upon completion of the EP must be clearly defined, explained and correspond to a specified level of the NQF, QF-EHEA		+		
40	6.	The management of the EP must demonstrate the modular structure of the program based on the European Credit Transfer and Accumulation System (ECTS), ensure that the EP and its modules (in terms of content and structure) comply with the set goals with a focus on achieving the planned learning outcomes.		+		
41	7.	The management of the educational institution must ensure that the content of academic disciplines and learning outcomes correspond to each other and to the level of education (bachelor's, master's, doctoral)		+		
42	8.	The management of the EP must demonstrate that external examinations of the EP have been carried out.		+		
43	9.	The management of the educational program must provide evidence of the participation of students, faculty and other stakeholders in the development of the educational program and ensuring its quality.		+		
44	10.	The management of the educational institution must demonstrate the educational institution's positioning in the educational market (regional/national/international), its uniqueness		+		
45	11.	An important factor is the ability to prepare students for professional certification		+		
46	12.	An important factor is the presence of a double-degree program and/or joint programs with foreign universities.		+		
Total by standard			0	12		
4. Standard "Continuous monitoring and periodic evaluation of educational programs"						
47	1.	The university must ensure a revision of the content and structure		+		

		of the educational program, taking into account changes in the labor market, employers' requirements and the social demands of society.				
48	2.	The university must demonstrate the existence of a documented procedure for monitoring and periodically evaluating the EP to achieve the EP goal. The results of these procedures are aimed at continuous improvement of the EP		+		
		Monitoring and periodic evaluation of the EP should consider:				
49	3.	the content of the programs in the context of the latest achievements of science and technology in a specific discipline		+		
50	4.	changes in the needs of society and the professional environment		+		
51	5.	workload, academic performance and graduation of students		+		
52	6.	the effectiveness of student assessment procedures		+		
53	7.	needs and satisfaction of learners		+		
54	8.	compliance of the educational environment and the activities of support services with the objectives of the educational program		+		
55	9.	All interested parties must be informed of any planned or undertaken actions in relation to the EP. All changes made to the EP must be published.			+	
56	10.	Support services should identify the needs of different groups of students and their level of satisfaction with the organization of learning, teaching, assessment, and mastering of the educational program as a whole.		+		
Total by standard			0	9	1	
5. Standard "Student-centered learning, teaching and assessment of academic performance"						
57	1.	The leadership of the educational institution must ensure respect and attention to different groups of students and their needs, providing them with flexible learning paths		+		
58	2.	The management of the educational program must ensure teaching based on modern achievements of world science and practice in the field of training, the use of various modern teaching methods and assessment of learning outcomes that ensure the achievement of the educational program goals, including competencies and skills for performing scientific work at the required level.		+		
59	3.	The management of the educational program must determine the mechanisms for distributing the students' academic workload between theory and practice within the educational program, ensuring that each graduate masters the content and achieves the educational program's goals.		+		
60	4.	An important factor is the presence of own research in the field of teaching methods of the EP disciplines			+	
61	5.	The university must ensure that the procedures for assessing learning outcomes correspond to the planned results and objectives of the educational program.		+		
62	6.	The university must ensure consistency, transparency and objectivity of the mechanism for assessing the learning outcomes of the EP. The criteria and methods for assessing learning outcomes must be published in advance.		+		
63	7.	Assessors must be proficient in modern methods of assessing learning outcomes and regularly improve their skills in this area.		+		
64	8.	The leadership of the EP must demonstrate the existence of a feedback system on the use of various teaching methods and assessment of learning outcomes		+		
65	9.	The leadership of the EP should demonstrate support for learner		+		

		autonomy while providing guidance and assistance from the teacher.				
66	10.	The management of the educational institution must demonstrate the existence of a procedure for responding to student complaints.		+		
Total by standard			0	9	1	
6. Standard "Students"						
67	1.	The university must demonstrate the policy for forming the contingent of students and ensure transparency of its procedures. The procedures regulating the life cycle of students (from admission to completion) must be defined, approved, published		+		
68	2.	The management of the EP should provide for the implementation of special adaptation and support programs for newly admitted and foreign students.		+		
69	3.	The university must demonstrate that its actions comply with the Lisbon Recognition Convention, including 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 informal education.		+		
70	4.	The university must provide opportunities for external and internal academic mobility of students, as well as assist them in obtaining external grants for study.		+		
71	5.	The university should actively encourage students to self-educate and develop outside the main program (extracurricular activities)		+		
72	6.	An important factor is the presence of a mechanism to support gifted students		+		
73	7.	The institution must demonstrate cooperation with other educational organisations and national centres of the "European Network of National Information Centres on Academic Recognition and Mobility/National Academic Recognition Information Centres" ENIC/NARIC in order to ensure comparable recognition of qualifications		+		
74	8.	The university must provide students with internships, demonstrate the procedure for facilitating the employment of graduates, and maintaining contact with them.		+		
75	9.	The university must demonstrate the procedure for issuing graduates with documents confirming the qualifications they have received, including the learning outcomes they have achieved		+		
76	10.	The management of the EP must demonstrate that graduates of the program have skills that are in demand in the labor market and that these skills are actually in demand in the labor market.		+		
77	11.	The management of the EP must demonstrate the existence of a mechanism for monitoring the employment and professional activities of graduates		+		
78	12.	An important factor is the presence of an active alumni association/association	+			
Total by standard			1	11	0	
7. Standard ""Teaching staff"						
79	1.	The university must have an objective and transparent personnel policy in the context of the educational program, including hiring (including invited faculty), professional growth and development of personnel, ensuring the professional competence of the entire staff.		+		
80	2.	The university must demonstrate that the quality of the teaching staff complies with the established qualification requirements, the university strategy, and the goals of the educational program.		+		
81	3.	The leadership of the EP must demonstrate the changing role of		+		

		the teacher in connection with the transition to student-centred learning and teaching				
82	4.	The university should provide opportunities for career growth and professional development of teaching staff, including young teachers		+		
83	5.	The university must involve in teaching specialists from relevant fields who possess professional competencies that meet the requirements of the EP		+		
84	6.	The university must demonstrate the existence of a mechanism for motivating the professional and personal development of the teaching staff		+		
85	7.	The university must demonstrate the widespread use of teaching staff, information and communication technologies and software in the educational process (for example, on-line learning, e-portfolio, MOOCs, etc.)		+		
86	8.	The university must demonstrate its focus on developing academic mobility and attracting the best foreign and domestic teachers.		+		
87	9.	The university must demonstrate the involvement of each teacher in promoting a culture of quality and academic integrity in the university, determine the contribution of the teaching staff, including invited ones, to achieving the goals of the EP		+		
88	10.	An important factor is the involvement of the teaching staff in the development of the economy, education, science and culture of the region and the country.		+		
Total by standard			0	10	0	
8. Standard "Educational resources and student support systems"						
89	1.	The university must ensure that educational resources, including material and technical resources, and infrastructure comply with the goals of the educational program.		+		
90	2.	The management of the EP must demonstrate the availability of classrooms, laboratories and other facilities equipped with modern equipment and ensuring the achievement of the OP's goals.	+			
		The university must demonstrate that information resources meet the needs of the university and the educational programs being implemented, including in the following areas:				
91	3.	technological support for students and teaching staff in accordance with educational programs (e.g. online learning, modeling, databases, data analysis programs)		+		
92	4.	library resources, including a collection of educational, methodological and scientific literature on general education, basic and specialized disciplines on paper and electronic media, periodicals, access to scientific databases		+		
93	5.	examination of research results, graduation papers, dissertations for plagiarism		+		
94	6.	access to educational Internet resources		+		
95	7.	Wi-Fi operation on your territory		+		
96	8.	The university must demonstrate that it creates conditions for conducting scientific research, integrating science and education, and publishing the results of scientific research work by faculty, staff, and students.		+		
97	9.	The university should strive to ensure that the educational equipment and software used for mastering educational programs are similar to those used in the relevant sectors of the economy.	+			
98	10.	The management of the EP should demonstrate that there are procedures in place to support different groups of students,		+		

		including information and consultation.				
99	11.	The management of the educational institution must demonstrate the existence of conditions for the student's advancement along an individual educational trajectory.		+		
100	12.	The university must take into account the needs of different groups of students (adults, working students, international students, as well as students with special educational needs)		+		
101	13	The university must ensure that its infrastructure meets safety requirements		+		
Total by standard			2	11	0	
9. Standard "Informing the Public"						
102	1.	The information published by the university must be accurate, objective, relevant and reflect all areas of the university's activities within the framework of the educational program.		+		
103	2.	Public awareness should include support and clarification of national development programs for the country and the system of higher and postgraduate education		+		
104	3.	The university management should use a variety of methods of disseminating information (including the media, web resources, information networks, etc.) to inform the general public and interested parties.		+		
		Information published by the university about the educational program must be objective and up-to-date and include:				
105	4.	the purpose and planned results of the educational program, the qualification awarded		+		
106	5.	information and the system of assessing the academic achievements of students		+		
107	6.	information on academic mobility programs and other forms of cooperation with partner universities and employers		+		
108	7.	information on opportunities for developing students' personal and professional competencies and employment		+		
109	8.	data reflecting the positioning of the educational institution in the educational services market (at the regional, national, international levels)		+		
110	9.	An important factor is the publication of reliable information about the PPS, broken down by individuals, on open resources		+		
111	10.	The university must publish audited financial statements for the EP on its own web resource.		+		
112	11.	The university must post information and links to external resources based on the results of external assessment procedures.		+		
113	12.	An important factor is the placement of information on cooperation and interaction with partners, including scientific/consulting organizations, business partners, social partners and educational organizations.		+		
Total by standard			0	12	0	
TOTAL			4	104	5	

4(3.6%) The parameter has the position "strong"

104 (90.0%) The parameter has the position "satisfactory"

5 (4%) The parameter has the position "improvement is expected"

0 (0%) The parameter has the position "unsatisfactory"