



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT
of external expert commission (EEC)
on the results of specialised accreditation
of educational programs
«5B060800 – Ecology»,
«6M011300 - Biology», «6M060700 - Biology»

West Kazakhstan State
University after M. Utemisov
From April 17 to April 19, 2017

Uralsk, 2017

INDEPENDENT AGENCY OF ACCREDITATION AND RATING

External expert commission

Addressed to the Accreditation

Council of Independent Accreditation and

Rating Agency



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According to the order of 19-17-OD of 04.04.2017 of the Independent Accreditation and Rating Agency from April 17 to 19, 2017, an external expert commission assessed the conformity of educational programs 5B060800 - "Ecology", 6M011300 - "Biology", 6M060700 - "Biology" of the M.Utemisov West Kazakhstan State University to the standards of specialized accreditation of the IAAR.

The report of the external expert commission (EEC) contains an assessment of the submitted educational programs to the criteria of the IAAR, recommendations of the EEC for further improvement of educational programs and profile parameters of the educational programs of the M. Utemisov West Kazakhstan State University.

Composition of EEC:

1. **Commission Chairman**- Kosov Vladimir Nikolayevich, Doctor of Physics and Mathematics Sciences, Professor of the Kazakh National Pedagogical University named after Abay (Almaty);
2. **Foreign expert** - Olga Anatolyevna Stokolos, c.t.s., associate professor, I.M. Gubkin Russian State University of Oil and Gas (RSU), expert of AQCECD (RF);
3. **Foreign expert** - Ognyan Borisov Manolov, Ph.D. (c.t.sc.) on Cybernetics and Informatics, associate professor, European Polytechnic University (Pernik, Bulgaria), expert of ACQUIN (Germany);
4. **Expert** - Shomanova Zhanat Kairolinovna, c.ch.s., Doctor of Technical Sciences, Pavlodar State Pedagogical Institute (Pavlodar);
5. **Expert** - Turebaeva Klara Zhamanbaevna, Doctor of Pedagogical Sciences, Aktobe Regional State University named after. K. Zhubanov (Aktobe);
6. **Expert** - Kurmanbaeva Meruert Sakenovna, Doctor of Biological Sciences, Al-Farabi Kazakh National University (Almaty);
7. **Expert** - O zgeldinova Zhanar O zgeldinovna, PhD in Geography, L.N. Gumilev Eurasian National University (Astana);
8. **Expert** - Ismailova Aysulu Abzhapparovna, PhD on information systems, S. Seifullin Kazakh Agrotechnical University (Astana);
9. **Expert** - Turtkaraeva Gulnara Bayanovna, Candidate of Pedagogical Sciences, Associate Professor, Sh. Ualikhanov Kokshetau State University (Kokshetau);
10. **Employer** - Abulkhairova Aigul Kuspanovna, Head of the Human Capital Development Department of the Chamber of Entrepreneurs of the WKO "Atameken" (Uralsk);
11. **Student** - Plahotniuk Olga Andreevna, 4th year student, EP 5B072000-Chemical technologies of inorganic substances, Zhangir Khan West Kazakhstan Agrarian Technical University (Uralsk);
12. **Student** - Sharifolla Muldir Shamelkyzy, 4 th year student EP 5B060800-Ecology, Zhangir Khan West Kazakhstan Agrarian Technical University (Uralsk);
13. **Student** - Samatkyzy Sholpan, 4-th year student EP 5B011100-Informatics, West Kazakhstan Innovation and Technology University (Uralsk);
14. **Observer from Agency** - Kanapyanov Timur Erbolatovich, head of international projects and public relations of the IAAR (Astana)

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1. WEST KAZAKHSTAN STATE UNIVERSITY AFTER M. UTEMISOV PRESENTATION

West Kazakhstan State University after M. Utemisov was opened as a pedagogical institute in 1932. In 1996, the Ural Pedagogical Institute was transformed into the Western Kazakhstan Humanities University. On May 30, 2003, by the Decree of the Government of the Republic of Kazakhstan No. 497, the WKSU was given the name after Makhambet Utemisov.

Legal address: 090000, Uralsk, Dostyk Avenue, 162, tel. (711) 51-26-32, 51-42-66, e-mail: zapkazgu@rambler.ru.

Educational activity WKSU carries out in accordance with state license No. 0026241 series AB (in 2012, in connection with the replacement of licenses WKSU received license No. 12019665 issued by the Committee for Control in the field of education and science of the Republic of Kazakhstan on 11.12.2012).

The structure of the university includes the faculties of physics and mathematics, pedagogical, philology, history, economics and law, culture and art, the scientific library, the publishing center and the media, the testing laboratory of ecology and biogeochemistry, and other units of scientific, educational and production areas.

As part of the faculties of the 23 departments, preparing staff for 51 specialties bachelors, 24 magisters. There are more than 400 teachers at 23 departments. Among them there are 24 Doctors of Sciences, 144 Candidates of Sciences, four PhD and 15 holders of the grant "The Best Teacher of the University of the Republic of Kazakhstan", which testifies to the rather high professionalism of the teaching staff.

West Kazakhstan State University after M. Utemisov has 7 educational buildings, 3 student hostels, 2 standard sports halls, 3 adapted gyms, 2 outdoor sports grounds, an agrobiostucture. Educational and methodical work, research work, educational work, etc. The management system of the university is built on the principle of vertical and assumes structural distinctions in the areas of activity: educational and methodical work, research work, educational work, etc.

Internal regulatory and organizational and administrative documentation allows for operational management and distribution of authority.

In order to develop corporate governance, the Regulations were adopted and the composition of the Employers' Council, the Graduates' Association was formed. July 7, 2016 by the order of the Ministry of Education and Science of the Republic of Kazakhstan, the composition of the Supervisory Board of the WKSU was approved.

Based on the results of national institutional accreditation in 2014.(No. AA0022 dated May 21, 2014), the university is accredited for a period of five years. According to the results of specialized accreditation, 26 educational programs (15 bachelors and 11 magisters) are accredited for a period of five years. In 2013, 3 educational bachelor's programs are accredited by the international institute of accreditation, certification and quality assurance ACQUIN.

In the rating conducted by the Independent Agency for Accreditation and Rating (NAAR), three specialties took 2nd place (5B012100 Kazakh language and literature in schools with non-Kazakh language of instruction, 5B040300 Vocal Art, 6M011700 Kazakh Language and Literature) and six took 3rd place (5B060900 Geography, 5B011300 Biology, 5B040200 Instrumental performance, 5B041700 Decorative art, 5B050500 Regional Studies, 5B091000 Library science).

Today, the West Kazakhstan State University after M. Utemisov, leads the regional market of educational services. In 2013 Successfully passed the state attestation, which confirms a sufficiently high level of educational, educational, personnel, financial and other processes of the university.

The university provides access to the catalogs of the Republican Interuniversity Electronic Library, the Kazakh National Electronic Library and to the world databases: "SpringerLink", "Thomson Reuters", "ELSEVIER", "POLPREDSOMcom", RGB, etc. The library fund is being replenished every year. The average amount of 15843650 tenge (over five thousand copies of

books). The library fund is 1069393 units, the volume of educational, educational and scientific literature totals - 995516 units, including, in the Kazakh language, 403577 units, and other languages - 10950 units.

2. VISIT DESCRIPTION OF EEC

Visit of an external expert commission to the West Kazakhstan State University after M. Utemisov was organized in accordance with the program, agreed in advance with the chairman of the EEC (annex) and approved by the rector of the university.

In order to coordinate the work of the EEC on 16.04.2017, an installation meeting took place, during which the powers were distributed among the commission members, the schedule of the visit was specified, and agreement was reached on the choice of methods of examination.

The meetings of the EEC with the target groups were held in accordance with the updated program of the visit, with observance of the established time interval. From the team of the West Kazakhstan State University after M. Utemisov was provided with the presence of all persons indicated in the program of the visit.

During the visit, in addition to working with target groups, there were talks with students, undergraduates and university lecturers, graduates and employers.

Information about employees and students participated in meetings with the EEC NAAR

Category of participants	Quantity
Rector	1
Pro-rectors	3
Deans	3
Heads of Department	4
Heads of structural subdivisions	23
Teachers	59
Students, Magesters	75
Undergraduates	25
Employers	14
Total	204

EEC members attended classes on accredited educational programs:

EP 6M060700 - «Biology»:

discipline "Genetics" (laboratory) the theme of classes, «DNA Extruction» associate professor Utaubayeva A.U., (01307 multilingual group, Room 32).

EP5B060800 – «Ecology»:

discipline "Ecological resource knowledge" (lecture), teacher Alzhanova B.S. topic of classes «Орман пестуртары»(01309, Room 30).discipline "The origin and evolution of the biosphere" (lecture), teacher Bokhorova S.N..(Эко-22, Room 30).discipline "Social ecology and sustainable development of society", teacher Ergaliev A.S.,(prac.,Эко-12, Room 29)

- *EP 6M011300 – «Biology»:*

discipline "Modern problems of biological systematics" (lecture, practice), professor Darbayeva T.E. (1 B, Rooms 30, 29)

During the excursion, the members of the EEC familiarized themselves with the state of the material and technical base, visited the IT center: the laboratory of bioorganic chemistry, chemical ecology, biological chemistry, analytical and physical chemistry, soil science laboratory, plant physiology, laboratory of the department of biology and ecology, zoology of invertebrates, Environment, the audience of anatomy, human and animal physiology, specialized cabinets of the systematics of plants named after Doctor of Biological Sciences, Professor

Ageleuov E.A., offices of plant physiology named after Doctor of Biological Sciences, Professor V.V.Ivanov, herbarium fund of the department, multilingualism, lecture and educational audiences, sports complex № 1, Sports Complex № 2, which produce chairs of accredited educational programs, computer and multimedia classes.

The EEC members visited the following practice bases on accredited programs: the State Inspectorate for the Protection of the Historical and Cultural Heritage of the WKO, the State Ecological and Biological Center, the Museum of WKSU, the Institute of Multilingualism, the Electronic Reading Room, the Rare Books Room, and the Reading Room.

The events planned within the framework of the visit of the EECIAAR facilitated the detailed familiarization of experts with the university's educational infrastructure, material and technical resources, faculty, representatives of employers' organizations, trainees and graduates. This allowed the members of the IAAR EEC to conduct an independent assessment of the conformity of the data set out in the self-assessment reports of the university's educational programs to the criteria of the specialized accreditation standards of the IAAR.

Within the framework of the planned program, recommendations on improving the University's activities developed by the EEC on the results of the examination were presented at a meeting with the leadership on April 19, 2017.

1. CONFORMING TO THE SPECIALIZED ACCREDITATION STANDARDS

1.1. Standard "Educational program management"

The purpose of accredited educational programs is the formation of the professional competence of future specialists with higher and postgraduate education, capable of implementing them in professional work and competitive in the labor market.

The implementation and development of the programs under consideration is determined, first of all, by the mission, vision, development strategy of M.Utemisov WKSU.

Transparency and collegiality of the formation of plans for the development of educational programs is confirmed by the participation of the whole team, interested persons, employers in it. The effectiveness of the implementation of educational programs is assessed by internal commissions, which are developing a set of measures to improve the quality of training specialists. The results of the assessment of educational programs are discussed at the meetings of the department, the Council of the Faculty and the University, which take decisions on measures to ensure the quality of education.

Training sessions for students on the EP, along with general purpose audiences, are conducted in specialized auditoriums, training laboratories and computer classes. The material resources of specialized offices are represented by computer equipment, interactive whiteboards, audio and video equipment, multimedia projectors, copying equipment, software products, as well as equipment for setting up and conducting experiments, physical and chemical analyzes (Atom-Absorption Spectrometer "KVANT-2A", Photometer photoelectric KFK-3-01-ZOMZ, "Fluorat-02-2M", Fluid Analyzer, Voltamperometric Analyzer "Ecotest-VA", etc.).

When implementing the Department of Education, the department has 18 specialized scientific and methodical classrooms, lecture rooms and training laboratories (Ecology and Biochemistry, Zoology, Plant Systematics, Plant Physiology, Analytical Chemistry, Research Laboratory, "Laboratory for Analysis of Environmental Objects", "Soil Science", "Anatomy, Human and Animal Physiology", etc.). In addition, in the Test Laboratory of Ecology and Biogeochemistry both laboratory classes in the relevant disciplines are conducted, and experimental and research and research work of students is carried out.

On the basis of the department a museum of zoology, founded in 1939, a unique herbarium with more than 30 thousand herbarium sheets, which are actively used both in the educational process and in the performance of research works by students, teachers, teachers of schools and universities of the city, oblast and region.

The unique herbarium fund of the department, created by Doctor of Biological Sciences, Professor V.V.Ivanov, replenished by his disciples, Doctor of biological sciences, professor

Darbayeva T.E., professor, Candidate of Biological Sciences, Fartushina M.M., their students: Candidate of Biological Sciences, associate professors A.U. Utaubaeva, G.S. Kaisagalieva, etc., attracts attention of geobotany scientists, florists of near and far abroad (Maria-Louise Lopez, Professor, associate professor of the Royal Madrid Botanical Gardens (Spain), Helmut Freitag, professor of the University of Gethengen (Germany), Robert Schultz, PhD doctor, professor of the National University of Iowa (USA), Safronova I.N., prof., Dr. Sc. BIN RAS named after V.L. Komarov, St. Petersburg, Russia, Onipchenko V.G. prof., Doctor of Biological Sciences, Head of the Department of Geobotany, M.V. Lomonosov Moscow State University, etc.). Herbarium fund of the department is included in the international list of herbarium funds. Educational laboratories, audiences are equipped with demonstration and collection materials, laboratory equipment, handouts. When conducting classes, we use models, training tables, tablets, etc.

The individuality of the development plans for the EP is conditioned by the possibility of constructing the individual educational trajectory by the students by choosing the disciplines taking into account personal preferences and the market changing needs.

In order to increase competitiveness, such activities as the attraction of teaching staff from the near abroad are developed and are being implemented; analysis of the relevance and competitiveness of graduates; the development of external academic mobility; The expansion of the academic environment around the university. In general, the systemic nature of the management of educational programs implemented can be traced, which is expressed in the creation of the necessary collegial bodies for monitoring the quality of content.

The content of accredited Bachelor's and Master's degree programs corresponds to the State Higher and Post-Graduate Education Standard approved by the Government of the Republic of Kazakhstan on August 23, 2012 № 1080, №292 of 13.05. 2016, the rules of the organization of the educational process on the credit technology of education, approved by the order of the Minister of Education and Science of the Republic of Kazakhstan from April 20, 2011 № 152, the standard curriculum, approved by the Ministry of Education and Science of the Republic of Kazakhstan and guarantees the high quality of specialist training, which corresponds to the mission of the university and meets the needs of employers.

The Department of Biology and Ecology regularly monitors the implementation and adjustment of the development plan for the educational programs of the specialties "5B060800 - Ecology", "6M011300 - Biology", "6M060700 - Biology" and their implementation. During the implementation of educational programs, statistics on the contingent of students and graduates, available resources, the staffing of scientific and international activities, and other areas are collected and analyzed, and the degree of achievement of the planned results is monitored.

The EPs are provided by WCs, syllabuses, and EMCDs, developed in accordance with the normative documents in Kazakh, Russian and English (for multilingual groups and English with additional specialization). The content of WCs, syllabuses and EMCD meets the modern requirements for training specialists and the specifics of the EP, methodical instructions have been developed for all the disciplines to fulfill the tasks of the IWS.

In educational programs the logical sequence of modules and courses of disciplines is maintained. Identity of development plans for EP are defined by the fact that the staff of department is developed by the individual elective courses designed to develop the professional skills necessary for scientific and pedagogical activity. One of strengths in the organization of research activity of the university is involvement of students for performance of research together with the faculty. Within implementation of the projects which are carried out at department students participate in expeditions, field observations, laboratory testing, preprocessing and the analysis of statistical material, etc. The studying specialties 5B060800 Ecology (Tolstova Yu., Urazayeva L., Gabazova Z., Amersheeva A., etc.), 6M060700 Biology (Sarsenova A.), 6M011300 Biology (Salimgereeva A., Atayeva G.) take part in carrying out laboratory researches and data processing by results of field departures. Cameral processing of collected materials are carried out in the certified testing laboratory of Ecology and

biogeochemistry of M. Utemisov WKSU. Results of researches are reported on various levels scientific and practical conferences, scientific circles and seminars.

All procedures and processes of activity of departments are directed to maintenance and development of the reached level of quality of education. Stability of educational achievements of students, recognition of graduates of EP and quality of their professional activity and career development demonstrates to it. Optimum conditions for formation of the mobile and initiative personality are created. Monitoring on the questions concerning development of the social sphere, educational activity, the organization of leisure in nonlearning time, the salary of workers and financial support of students is carried out. Groups of respondents of the procedure of questioning are students, graduates, TS of M. Utemisov WKSU and employers that also allows to estimate efficiency in the separate areas of work. One of instruments of monitoring of realization of EP are sociological polls in the form of questionnaires "The teacher eyes of students", "The questionnaire for employers", "The questionnaire for graduates", "The questionnaire for heads of bases the practician", "The questionnaire for students probationers", etc. The comparative analysis shows that GPA of assessment of the TS professional level rather high. The analysis of these questionnaires of graduates shows that all employed work in the specialty, most of them estimate the level of the general vocational training as rather high. 80% of graduates estimate the practical preparation as very good.

By results of questioning degree of satisfaction with a control system, the reasons of discrepancies are analyzed and decisions on updating of plans according to activities are made. Developed on the basis of the analysis of the obtained information of the recommendation are used for adoption of tactical and strategic administrative decisions on improvement of activity of the university, creation and support of conditions for successful realization of his Mission and Strategy. Besides the obtained data are used when passing a competition and certification of teachers.

The questioning of TS which is carried out during EEC IAAR visit has shown that the involvement of TS into process of adoption of administrative and strategic decisions – very good and good – 89,8%; rather badly 8, 2%, badly 2%.

Strengths of EP are:

- the expressed individuality of the educational programs of the cluster-oriented to meet the needs of the region, stakeholders and social partners; achievement of national priorities and development goals of the university.
- the availability of an internal system for ensuring the quality of education and monitoring its effectiveness, further improving the educational programs.
- presence of an internal system of quality control of education, a system of current, intermediate and final control of knowledge, rating evaluation and expert control of the professional level of the teaching staff;
- implementation of necessary measures to maintain academic integrity and academic freedom in relation to students;
- The availability of a material and technical base (specialized audiences and interactive offices, computer rooms, a unique herbarium fund, a zoological museum, a certified testing laboratory for ecology and biogeochemistry, equipped with the latest instruments and equipment) corresponding to the qualification requirements for all specialties being prepared at the university.

In order to further develop and improve the implementation of the accredited EEC educational program, IAAR **recommends:**

- carry out work to improve the content of the educational program with a similar EP of leading foreign educational organizations.
- to intensify the work on the introduction of the results of the research work of the teaching staff in the educational process;

- regularly conduct discussion and implementation of the newest innovative training technologies in the field of education.

According to the Management of the Educational Program Standard the accredited educational program has 11 strong, 16 satisfactory positions.

2. Standard “Development and improvement of educational program”

In M.Utemisov WKSU, the process and procedure for the development and approval of the accredited professions are carried out in accordance with the requirements of the State Educational Establishment. In this process, all relevant subjects of the university, teaching staff, departments, faculties, departments, etc. are involved in this process. Implementation mechanisms are open and vowels, decision making is collegial. The scientific level and objectives of the university's educational programs meet the requirements, are consistent with the mission of the university and meet the needs of potential consumers. Timely changes and additions are made to educational programs, the basis for revising and introducing changes, the development of a new edition can be: changes in the State Educational Standards, Specialty Tuition; changing the requirements of the labor market.

Trainees form an individual educational trajectory on the basis of recording on elective disciplines of specialties and take part in the formation of an individual curriculum. At the same time, students are guided by standard curriculums and a catalog of elective disciplines.

Catalogs of elective disciplines of specialties are compiled taking into account educational trajectories at the choice of students. Selection of disciplines for CED passes the procedure of the contest of applications for elective disciplines, determining the relevance of the selection matrix for ED, taking into account the views of employers. Preference is given to practice-oriented disciplines, for example, specialty 5B060800 Ecology is the discipline: "Mapping of disturbed ecosystems", "Environmental expertise and environmental impact assessment", etc.

Elective disciplines of a main cycle consider the last changes in labor market, reflect the interests of the employer, and together with all types the practitioner with departure on places the practitioner are aimed at preparation for professional activity.

Catalogs of elective disciplines are updated annually, new elective courses are being developed at the request of employers, students are corrected the content of existing disciplines by specialty. At the same time, current trends in the national economy are taken into account. So, in agreement with employers, the module "Biological Resources" for the teaching specialties of the master's program includes the elective disciplines "Organization of work in PAs", "Environment and conservation of biological diversity", "Current state of forest ecosystems", for scientific biology such disciplines as: "Protection and reproduction of the animal world", "Biological principles and scientific bases for the use of fauna", "Theoretical foundations and methods of practical ornithology", "Environmental risk and modern Bioecology", " Genetic foundations of phytopathology", " Bioenergetics and "Green biotechnologies", "Technologies of environmental protection", etc.

Taking into account the specifics of the development sector of the Western region, the employers and the faculty of the department have introduced an additional educational program "Industrial ecology" for the specialty 5B060800 "Ecology". Taking into account the specifics of the development sector of the Western region, the employers and the faculty of the department have introduced an additional educational program "Industrial ecology" for the specialty 5B060800 "Ecology". WC specialty is supplemented by 13 credits, These are such items as: Environmental Chemistry, Urboecology, Waste Processing Technology, Engineering Ecology, Environmental Basics of Land Reclamation. These subjects reflect the current trends in the development of the area under study. WCs of specialties 6M011300 Biology, 6M060700 Biology supplemented with disciplines Pedagogical management, Methods of organization of

field research and experiments in biology, Teaching methodology in higher education institutions, Forms and methods of organization of the educational process in the university, Innovation management, etc.

The department, while developing the EP adheres to the goal of ensuring the continuity of its content, takes into account the logic of the academic interconnection of disciplines, their consistency and continuity. In the bachelor's and master's degrees, the general competence of higher and postgraduate education is mastered according to the Dublin descriptors. EP is developed separately by forms, levels and terms of training.

All necessary information about the opportunities for the formation of an individual educational trajectory students receive from the adviser appointed by the department, which realizes this EP, office-registry. Consultative assistance in the selection and implementation of the individual educational trajectory of the student, the preparation of IC, as well as in other academic matters is carried out through the Service of advisers, whose functions are regulated by the Regulation on the organization of work of the advisers.

Competence model of the graduate is developed on the basis of the State Educational Establishment of the Republic of Kazakhstan from 23.08.2012 No.1080 (amended and supplemented by decree No. 292 of May 13, 2016), "Qualification reference book of positions of managers, specialists and other employees" approved by the order of the Ministry of Labor and Social Protection of the Population of 25.11.2010, No. 385; job descriptions of employees, as well as the results of a survey of academic experts and employers in the field.

To differentiate competencies and their components, different points of view are taken into account: the vision of academic personnel, the view of the employer - the production administration and scientific centers and representatives of the education department and the viewpoint of the graduates themselves. The competence model is verified and validated at enterprises, in educational organizations and institutions.

Models of the graduates EP of the 5B060800 -"Ecology", 6M011300 "Biology", 6M060700 "Biology" are developed at the Department of Biology and Ecology, the head of the department, employers (Kerzhikova F.M.-Oblast Ecological and Biological Center, Myrzashev T.K. – West Kaz. Branch of LLP Kaz.NIIRKh, Kadyrova Sh.M. - Nazarbayev Intellectual School, Kurmanalina Sh.H.- Pedagogical College named after Zh .Dosmukhamedov, Alpysbaev N.O. - secondary school-gymnasium No. 46, etc.), students of the EP (Sarsenova A., Urazaeva L., Zhigerbaeva A., Devyatkina V., Tolstova Yu.I., etc.)

Typical representatives of employers involved in the design and implementation of the EP are employers, whose activities correspond to the direction of vocational training of graduates (RSE Department of Ecology for WKO, Office of Natural Resources and Environmental Management for WKO, Committee for Environmental Regulation, Control and State Inspections in the Oil and Gas Complex of the Ministry of Energy of the Republic of Kazakhstan, Regional Environmental and Biological Center, State Administration of Agriculture of WKO, West-Kazakhstan Branch of KazNIIRK LLP, Batys Su arnasy LLP, schools, colleges, universities and etc. These organizations and enterprises are areas of potential employment opportunities for young professionals.

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

- the level of responsiveness to feedback from teachers regarding the learning process is fully satisfied by 84% - are satisfied with the quality of teaching - 92% - are satisfied with the level of clarification, students before enrolling the rules and strategies of the EP - 86.7%.

Strengths of the EP are:

- availability of documented procedures for the development of the EP, an annual review of the content of the EP, a close relationship between the content of the EP and the planned learning outcomes, the availability of research elements in the content of the EP.
- coordination and review of working curricula, recommendations and implementation of elective courses by employers.
- presence of the composition of elective courses of the EP disciplines reflecting the modern achievements of science and technology in the field of ecology and biology.

In order to further develop and improve the implementation of the accredited EEC educational program, IAAR **recommends**:

- ensure the continuity of the content of the educational program at various levels, the logic of the academic interconnection of disciplines, consistency and continuity.
- strengthen cooperation and exchange of experience with foreign educational organizations for joint educational programs of two-degree education;
- increase the amount of books and educational literature in English on accredited EP and ensure that the content of disciplines corresponds to the current development trends in the field of ecology and biology;
- effectively organize the conduct of professional practice, strengthen the work of conducting field and botanical practices in botany and zoology, and expand the geography of places where practices are carried out, improve their effectiveness in the context of the formation of professional competencies in accordance with the requirements of employers;
- to intensify the work on the organization of the department's branches in production;
- to strengthen work on own developments in the field of methods of teaching profile disciplines.

According to the Standard "Development and approval of the educational program", the accredited educational programs have positions of 5 strong, 14 satisfactory, 2 implies improvements.

3. Standard "Student-centered learning, teaching and evaluation achievement"

Implementation of EP 5B060800-Ecology 6M060700-Biology, 6M011300-Biology, is based on the introduction of student-centered training in all forms and directions of educational activities, which plays an important role in achieving the students' planned learning outcomes.

Student-centered training in M.Utemisov WKSU is one of the priority directions of the strategy "Creating conditions for improving the quality of education on the basis of student-centered learning".

Implementing the principle of student-centered learning, the university ensures respect for and attention to the individual trainees and their needs, providing flexible learning paths; the use of different forms of teaching; flexible use of a variety of pedagogical methods; regular feedback on the methods and methods used to evaluate and adjust pedagogical methods; support the autonomy of the learner with simultaneous proper guidance and assistance from the teacher; strengthening mutual respect between the teacher and student; presence of necessary procedures for responding to student complaints.

When introducing student-centered teaching, the requirements for teaching and, in general, for teaching activities change. Modern computer technologies, electronic textbooks, training programs, multimedia technologies have been introduced. Electronic textbooks were prepared and used in the educational process: "Genetics" in three languages (author Utaubayeva A.U.), "Blood system" at the rate "Man and his health" (authors Bimagambetova G.A.,

Darzhigitova A.K.) , "Catalog of plants WKO" (author Darbayeva T.E), "Zoology of invertebrates" (author Bolatova K.B.).

The faculty of the department actively participates in the introduction of innovations, methods and methods of teaching, including in the course of carrying out scientific projects aimed at the requests of employers and consumers, and also work on the development of methods for teaching disciplines. So the teachers of the department issued the following textbooks and teaching aids: "Age physiology and school hygiene" (authors Rustenova R.M., Bohorova S.N., Dzhangazieva B.Zh., 2014), "Safety of life" (Zharoyeva A.G., Bisengazieva A.S., Rustenova RM, 2014), "Applied biology and the fundamentals of soil science" (author S. Kazhykmetov, 2014), "Course of lectures on phytocenology" (authors Petrenko A.Z., Fartushina M.M., Mamysheva M.V., 2014), "Ecology and Sustainable Development" (authors Djangazieva B.Zh., Bohorova S.N., 2015), etc.

The effectiveness of the teaching methods used at the university can be assessed by the results of student interviews. In total, 90% of the students surveyed rated 90% of the students surveyed as effective (88% in 2013, 91% in 2014, 91% in 2015), as inefficient - 8% (in 2013 - 10%, in 2014 - 8%, in 2015 - 8%).

The developed mechanisms and conditions of monitoring allow for successful adjustment of the educational process. Feedback aimed at improving educational programs also includes, as mentioned above, monitoring of employers, graduates, etc.

In order to adapt the students to the educational environment of the University, the Handbook for the freshman is constantly updated, which is available both on paper and in electronic form on the official website of the university and contains systematic information about the rules of internal regulations, organizational and procedural norms of the educational process.

The implementation of the educational program is also provided with free access to international information networks, electronic databases, library funds, computer technologies, educational methodological and scientific literature.

Annually the catalog of elective disciplines, modular reference books of educational programs is published. The interests of students in the course of training and determining the individual educational trajectory are provided by the advisers.

In order to implement the program of multilingual education, groups with specialization "Ecology - English" were opened. On the specialty 5B060800-Ecology with specialization "Ecology-English" the language is taught in two groups (students of 2 and 3 courses). Students studying in these groups study elective disciplines "English language to level", "English language C-2 level", "Language for special purposes", "Theory and practice of translating texts on ecology", profiling disciplines of the specialty. Training of teachers on the problems of multilingual education was conducted. Training of teachers for work in multilingual groups is carried out - English courses are organized. A trilingual terminological vocabulary was published on the specialty (authors: Niyazov R.E., Bolatova K.B.).

Accounting for individual characteristics, needs and cultural experience of students is carried out in various aspects of scientific and educational activities: when choosing elective courses; when choosing the base of practice; when determining the theme of the thesis; when choosing the head of the thesis; with the participation of students in research work (scientific projects and scientific projects of the department).

The department carries out the necessary work to prepare students for the execution of the diploma projects (works): the subject of the thesis works is approved, according to which students can choose a theme in accordance with their interests and work profile. Themes of the diploma projects (works) differ in their relevance, correspond to the course of reforms, are annually revised. According to the curriculum, before the defense of the diploma projects

(works) students undergo pre-diploma practice at the certified laboratory of ecology and biogeochemistry of the M.Utemisov WKSU where they collect materials for the execution and writing of diploma projects (works).

Final certification of undergraduates is carried out within the terms provided by the academic calendar and curricula of specialties in the form of passing a comprehensive examination and defending the master's thesis. The complex exam includes the disciplines of the cycle of profiling disciplines of the Master's program.

Approximate subjects of master's theses are developed by the issuing department and annually approved by the Academic Council of the University. Magistrants are given the right to propose their own subject of the master's thesis if there is a justification of its relevance and expediency or an application of the enterprise, organization, institution. The theme of the master's thesis and the supervisor of studies are fixed by the order of the rector of the university within two months after the enrolling of the undergraduate.

For students with scientific interests, there are scientific student societies and circles. For students and undergraduates specialties of the department are the following student scientific circles: "Biology and Ecology", "Valeology", "Botany". Students of 1-4 courses, undergraduates take part in the work of the circle. In 2014, 30 people took part in the work of the circle, in 2015 - 32, in 2016 - 35 students and undergraduates.

Students and undergraduates take part in the work of the student scientific society. In 2014, in the work of the scientific student society, the number of students of the accredited specialties of the department was 7, in 2015 - 9, in 2016 - 11 people. For students who have expressed a desire to obtain additional competencies and study additional loans in excess of compulsory classes, classes are organized on the basis of the Center for Continuing Education of the WKSU.

In order to introduce innovative technologies in WKSU. M.Utemisov realizes the educational project "Introduction of innovative technologies in the educational process", within the framework of which the competition of scientific and methodical works of the university teaching staff is held every year. The result of innovative and project activity is a real innovative product (e-textbook, training simulator, innovative training, etc.). The works of the contest participants are printed in the annual collection "School of Excellence": Utaubayeva A.U. "The use of innovative technologies in the teaching of the discipline" Genetics "in English" (2014), Muldakhanov N.R. "The use of biological indication methods for vertebrates" (2014), Bimagambetova G.A. "Efficiency of the use of elements of innovative technologies in the course" Physiology of Man and Animals "(2015), Ualiyahmetova Zh.N. "The use of innovative methods in conducting laboratory work on the discipline" Plant Physiology "(2015), Mamysheva M.V. "Application of the case-study method in laboratory and practical classes on the subject "Anatomy and morphology of plants "(2016).

The effectiveness of the teaching methods used can be assessed on the basis of the results of the training and research work of students. The acquired knowledge using innovative teaching methods is used by students with independent work, practice, speeches at conferences and seminars, as well as when writing research projects. It is possible to note the following speeches of students and undergraduates of specialties of the department at the conferences: Aimanova M. (diploma 3 degrees, Republican competition of student scientific works, 2015). Urazaeva L. (diploma of the 2 nd degree, all-Russian with the international participation competition of research works of students on biology and ecology "VIM-2016" in Samara city), Temeshev E., Aidarbay A. (conference "Youth and science of Kazakhstan", diploma of 3rd degree, 2016), Bayyrova N. (certificate for participation in the 2nd stage of the VIII subject republican Olympiad on ecology, 2016). The following works can be noted: Amersheeva A., Gabazova Z., Sidorenko A., Pestruiylova A., Kayrekenova A., Tolstova J. (regional scientific-practical conference "Ivanovo Readings-2015"), Urazaeva L., Zhaksylykova E., Sarsenova A., Ataeva G., Gabdulov B., Salimgereeva A., Zhigerbaeva A. (republican scientific-practical conference "Ivanov Readings-2016").

Thus, it can be noted that in general, the university implemented the principle of feedback - conducted sociological surveys and monitoring of the social well-being of students and teaching staff. Also, the forms of feedback are: a box of complaints and proposals, a virtual reception that includes a rector's blog, pages on social networks.

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

- the level of timely assessment of students is fully satisfied 92%; informing the requirements in order to successfully complete this specialty - 80%; level of accessibility and responsiveness of the university's management - 80%.

Strengths of the EP are:

- providing equal opportunities for students, regardless of the language of instruction in the formation of an individual educational trajectory;
- introduction of modern computer technologies, electronic textbooks, training programs, multimedia technologies;
- free access to international information networks, electronic databases, library collections, computer technologies, educational methodological and scientific literature;
- the presence of a monitoring system for the student's advancement along the educational trajectory and the achievements of students, built on the principles of credit technology and general principles, which makes it possible to ensure the objectivity and completeness of the assessment of knowledge and competencies. Transparent procedures, criteria, tools, mechanisms for assessing knowledge and appeals are working and improving.

In order to further develop and improve the activities of the Academy in the implementation of accredited educational programs, the EEC IAAR **recommends:**

- to continue carrying out of researches and introduction of their results in educational practice on EP;
- ensure the annual renewal of evaluation funds for the EP;
- intensify research of own developments in the field of methodology;
- to improve the conditions for an inclusive education.

According to the Standard "Student-centered teaching, teaching and assessment of academic performance", accredited educational programs have 6 strong and 5 satisfactory positions, 1 suggests improvements.

4. Standard "Learners"

When forming a contingent of students, the University is guided by the current regulatory and legal framework, the Model Rules for Admission to Education in the Education Organization Implementing Professional Higher Education Education Programs (approved by Government Decree No. 111 of 19.01.2012, , dated from 30.06.2012, No. 896).

The policy of formation of the contingent is regulated by the "Regulation on the formation of a contingent of students" approved by the Scientific Council of the WKSU in September 2016.

Formation of a contingent of students is carried out through the placement of a state educational order for the training of scientific personnel, as well as payment for education at the

expense of the citizens' own funds, the allocation of a rectan's grant, discounts on tuition and other sources.

The innovative form of work was the organization of Sunday schools, so in 2016-2017 academic year teachers of the department conducted classes with pupils of 9-11 classes of schools in Uralsk on the main sections of school biology, in addition, within the framework of the Sunday school work was done to prepare students for the subject Olympiad urban and regional stages. Based on the results of vocational guidance work of the departments, a database of graduates is being formed. Vocational guidance work of the university is carried out not only in the West Kazakhstan region, but also in the neighboring regions of Kazakhstan: Atyrau, Aktobe, Mangystau oblasts. The result is an increase in the contingent of students from the number of entrants of these regions. In the current academic year, on the first course of specialty 5B060800 Ecology, 36.4% of students are trained from the neighboring regions of the Western region.

There is a stable interest in specialties 5B060800-Ecology and 6M011300-Biology, 6M060700-Biology among applicants, educational grants are annually allocated.

The contingent of undergraduate students in the specialty 5B060800-Ecology has a positive trend: in 2014, 60 students (13 of them are trained on a state grant), in 2015, 61 st. (of which 15 state grants.) and in 2016 63 students (including 12 state grants).

The procedure for recruiting and rules for credit offset when transferring from another university is carried out in accordance with the Rules for the Transfer and Restoration of Students in Education Organizations (No. 638 of 09.12.2008).

The university has a system of measures to help students who have problems with academic achievement. For example, students who have not passed the boundary or final control for a valid reason are given individual deadlines for their surrender. The individual schedule of the examination session is allowed in case of confirmation of force majeure situations: illness, childbirth, etc., stipulated by the rules of credit technology of training, internal regulations and the University Charter. The mass student community is the student self-government of the university, which unites all university students.

Scientific research work with students at the department is conducted systematically.

One of the strengths in organizing the research activities of the university is to attract students to perform research and development work in conjunction with the faculty. Within the framework of projects implemented at the department, students participate in expeditions, field observations, laboratory tests, primary processing and analysis of statistical material, etc. The training specialties 5B060800 Ecology (Tolstova Yu., Urazaeva L., Gabazova Z., Amersheeva A., etc.), 6M060700 Biology (Sarsenova A., Zhigerbaeva A.) take part in conducting laboratory studies and data processing based on the results of field trips. The results of the research are reported at various levels by scientific and practical conferences, scientific circles and seminars. The department annually conducts "Ivanovo readings" on which trainees, teachers report the results of their studies. Over accredited specialties over the past three years, more than 55 scientific articles and abstracts have been published in scientific journals, conference proceedings of various levels.

Students of accredited specialties have high indicators based on the results of subject Olympiads, competitions of scientific research: specialty 5B060800 Ecology Aimanova ME - Diploma of the 3 rd degree of the republican competition of research work (2015); Diploma of the VII subject republican olympiad on ecology "Ways of transition to a green economy" 3rd place, 2015; 3 place in the nomination "Presentation of the Team" of the VIII Subject Republican Olympiad on Ecology, 2016 and 3 place in the nomination "The Best Scientific Project" of the IX Republican Olympiad in Ecology, 2017; Temeshev E.I., Aidarbay A.Kh. - Diploma of 3 degrees (2016); Salimgereeva A., Kurmekesh A., Gabdulov B. specialty 6M011300-Biology-certificates of the participant of the international conference; Sarsenova A., Zhigerbaeva A. specialty 6M060700-Biology- certificates of the participant of the international conference, 2016, 2017.

A system of motivation to attract students to research work has been formed. Students who have won in the university competitions of scientific research, student conferences, olympiads, round tables, etc. are awarded with diplomas, certificates, letters of thanks and valuable gifts. The best students are sent to participate in regional, national and international competitions, olympiads and conferences. Annually, students who have achievements in research work by order of the rector receive a one-time extra charge to the scholarship. Also, one of the main criteria for awarding scholarships to students is achievements in research work.

Gifted learners are recommended for training in magistracy and doctoral studies, they are offered a job at the department. For example, masters Bohorov S.N., Ualialhmetova Zh.N., Utebaliyeva B.E., Kurmekesh A.D. and others currently work at the department as teachers.

The implementation of the educational program assumes external and internal mobility of students, both outgoing and incoming. The opportunity for students to participate in external and internal academic mobility is the agreement on cooperation with partner universities.

The main criteria for competitive selection of students to participate in academic mobility are: the completion of one academic period, academic performance. Applicants are preliminarily interviewed, questioned, tested and, according to their results, competitive selection is conducted. With trainees who passed the competition, they organize the conclusion of a tripartite agreement between the student, the sending and the host institution. After the training, at the host institution, the students present a transcript, on the basis of which the student, in accordance with the Kazakhstan system of credit transfer according to the type of ECTS, carries out the obligatory repayment of credits.

In 2015-2016 academic year, under the program of academic mobility, the students of the 3rd course of the specialty 5B060800 Ecology (Iskakova Gulnaz Myrzabekovna, Tolstova Julia Andreevna, Orazov Adilzhan Nurlanuly) mastered the academic disciplines during the first semester at the Bashkir State Pedagogical University named after Akmulla. In the second half of 2015-2016 academic year, students of 2-3 courses of the natural-geographical faculty, including specialties 5B060800 Ecology (Ayaganov Darkhan Berikovich) passed a semester study in Ufa, Bashkir State Pedagogical University named after Akmulla. During the academic semester, students attended classroom classes (lectures, seminars, practical and laboratory classes), and also actively engaged in independent work. Learning outcomes Successful mastery of disciplines Modern educational technologies (2 ECTS credits), Research methods and information processing in nature management (1.5 ECTS credits), Chemical ecology (4 ECTS credits) and others.

From May 30 to June 9, 2016, undergraduates of the 2nd course of specialties 6M060700, 6M011300 Biology Zhigerbayeva A.U., Ataeva G.N., Salimgereeva A., Sarsenova A.N., Gabdulov B.G. have been trained in the additional professional program "Methodology of Scientific Research" (72 hours in volume) at the Institute of Additional Education of the State Educational Establishment of Higher Education at the M.Akmulla BSPU.

In M.Utemisov WKSU, within the framework of academic mobility, students and undergraduates of universities of the far and near abroad passed semester training. In the first semester of the 2016-2017 school year, students from the University of Mississippi Valley, USA - Ashley Watts and Kevin Jung; in the second semester since February 6, 2017, semester training in the specialty 6M060700 undergraduate Tazheve Wright (University of Mississippi Valley, USA); and students in the field of ecology and geography of the Ulyanovsk State Pedagogical University named after I.N. Ulyanov: Davydova Dinara Ramisovna, Bildyakova Lydia Vladimirovna.

An important factor in facilitating the employment of graduates and further supporting communication with them is the Career Center website - tylek.wksu.kz. The site includes sections: vacancies submitted by the regional education department and the city employment center; information on the release of groups; information on practices and all necessary documentation; information on feedback; information on the employment of graduates.

Annually, a data bank on vacancies is created on the basis of applications from departments, companies and organizations.

The management of EP conducts systematic monitoring of the employment of graduates and promotes the development of their career. Graduates of accredited specialties are in demand on the labor market. The percentage of employment of graduates of the department on the specialty 5B060800 Ecology in recent years as a whole has increased from 63.3 to 71.4%.

According to the results of the EEC survey, the trainees are fully satisfied with 86%, partially satisfied with 13%, partially dissatisfied - 1,2%, dissatisfied - 0,4%.

Strengths:

- Social protection of trainees, availability of a system of measures for rendering assistance to underperforming students;
- Availability of an internal quality control system for education.
- Cooperation with research organizations, environmental institutions for the practical training of students;
- One of the strengths in the organization of research work of students is the involvement of students to perform research and development work in conjunction with the faculty and approbation of research work results;
- Active involvement of students in the academic mobility program, both outgoing and incoming.

Comission recommends:

- Attraction of baccalaureate graduates for further studies in magistracy and research work;
- Consider the possibility of conducting professional certification of students on educational programs of the cluster.

Under the Standard "Learning" educational programs in the specialties 5B060800-Ecology and 6M011300-Biology, 6M060700-Biology have a 7-strong position, 7-satisfactory, 1 is expected to improve.

5 . Standard “Teaching staff and teaching effectiveness”

Personnel policy M.Utemisov WKSU is an integral part of the strategic policy of the university, designed to bring human resources in line with the mission and goals of the university.

The need for accredited vocational training in the professional qualification level of the teaching staff is determined by the direction of training bachelors and masters, licensing requirements. For the implementation of accredited EPs, persons having professional education of the appropriate profile are involved, the level of qualification of which corresponds to the specifics of the accredited EPs.

The main provisions of the personnel policy are reflected in the University Charter (18.12.2013). The staff of the department is staffed in accordance with the legislation of the Republic of Kazakhstan.

At the departments there are Regulations on the department, in which the main lines of activity of the department are prescribed, job descriptions (06.01.2017).

Training in bachelor's programs is carried out by the following categories of teaching staff: teachers with academic degrees and titles, senior lecturers, teachers and assistants. To

lecture lectures, professors, associate professors, senior lecturers, scientists or experienced specialists who have at least 3 years of practical experience in the profile are allowed. Preparation for Master's programs is carried out by teachers with academic degrees and titles.

The number of full-time teaching staff with academic degrees and titles of the Department of Biology and ecology is 56%. According to the staffing schedule (on 04/01/01/2017) on the department 24 staff units, of which 2 doctors of sciences, 12 candidates of science, 6 art. teachers-masters, 4 teachers-masters. The average age of graded full-time teachers is 49 years.

D.b.s., professor Darbayeva TE . Leading specialist - Geobotany, florist, actively cooperates with scientists from near and far abroad, acting member of the editorial board of the Botanical Journal of the Russian Academy of Sciences; a member of the Commission for the Regional Management of Nature Management of the WKO for the conservation and improvement of the state of the floodplain forests of the Ural River within the WKO; Member of the working group of the West Kazakhstan Regional Department of Natural Resources and Environmental Management for the protection of natural resources of the Ural River; published about 200 scientific articles, including publications recommended by CCSON - 45 articles, 10 monographs, etc .;

D.a.s, Professor Rustenov A.R. Leading specialist - biotechnologist, his work in the field of cryopreservation was recognized among scientists of Kazakhstan, as well as near and far abroad, 235 scientific articles were published, including publications recommended by CCKSON - 48 articles; in the rating journals included in the database "Scopus", "ThomsonReuters", "Elsevier", "Springer" - 6 articles; is the author of 2 patents, 6 copyright certificates; is an active member of the Republican Council "Genetics, breeding breeding and reproduction of farm animals"; a member of the Commission for the Regional Management of Nature Management of the WKO for the conservation and improvement of the state of the floodplain forests of the Ural River within the WKO;

C.a.s., Associate Professor Alzhanova, B.S. has passed training under the program "Bolashak" in M.Lomonosov Moscow State University. (01.11.2011-30.06.2012), is a member of the regional commission for the conservation and improvement of the state of the floodplain forests of the Ural River within the WKO; a member of the Commission for the Regional Management of Nature Management of the WKO for the conservation and improvement of the state of the floodplain forests of the Ural River within the WKO; Member of the expert commission in the Regional Department of Ecology for WKO; lecturer and member of the Commission of the Regional Ecological and Biological Center; member of the working group of the West Kazakhstan Regional Department of Natural Resources and Environmental Management for the protection of natural resources of the Ural River; member of the expert commission of the "State Ecological Expertise" under the West Kazakhstan State Department of Ecology; Permanent consultant on the development of the project for improving the forage lands and improving the geobotanical composition of the "Bakhyt" in Terektinsky district; independent expert of PE "Ecoproject" in the development of projects "Draft MPE standards for pollutants into the atmospheric air for "BGS-Aksai" LLP and "Environmental Impact Assessment Project for the project of appraisal work at the oil and gas prospecting objects Kamenkovsky in WKO";

C.b.s., Associate Professor Utaubaeva A.U. has undergone training under the "Bolashak" program at the University of George Washington, DC, USA, in the period 01.04.2016 to 30.09.2016. M.Lomonosov (2012), permanent member of the Commission of the Regional Stage of the subject Olympiad of schoolchildren in biology, lecturer of the regional institute of advanced training of teachers in the schools of the city and the region; the head of the SRW of schoolchildren for participation in the competitions of international projects; fluent in English, conducts classes among students on the program of incoming academic mobility, a

member of the jury of the Regional Competition of School Scientific Projects of the Center for Gifted Children "Daryn", c.a.s., Associate Professor Chekalin S.G. is a member of the regional commission for the conservation and improvement of the state of the floodplain forests of the Ural River within the WKO and others.

The EP management ensures completeness and adequacy of individual planning of the work of the teaching staff for all types of activities, monitoring the effectiveness and effectiveness of individual plans, demonstrating the evidence of the teachers performing all types of planned workload.

The university's website provides full information about the teachers of the department.

The results of scientific researches of teachers are reflected in scientific articles, published journals, speeches at scientific conferences of various levels.

Number of scientific publications of teaching staff accredited by the EP

	2014	2015	2016
In international scientific publications Tomson Reuters, Scopus, High-ranking journals (RINC, etc.)	1	4	2
Magazines recommended by CCSEC of the Ministry of Education and Science of the Republic of Kazakhstan	9	6	14
Magazines of near and far abroad	8	11	6
International conferences	2	1	24
Republican Conferences	33	25	43
Monographs	-	-	4
Training aids	5	10	7
Electronic Textbooks	-	3	1
Total	58	60	101

In 2013-2015 years. the department carried out research work on the theme "Biological reclamation of disturbed ecosystems of the Karachaganak oil and gas condensate field and adjacent territory" funded by the Scientific Committee of the National Scientific Council of the Ministry of Education and Science of the Republic of Kazakhstan. Scientific adviser – c.b.s., prof. Fartushina M.M. To carry out the project, a research team was composed of Professor Darbayeva T.E., Associate Professor Kaisagalieva G.S., Associate Professor Chekalin S.G., Senior Teachers Kazhiakhmetov S.A., Esenalieva M.K., Teacher Khryseva N.A.

In 2015 the teacher of the department Utebalieva B.E. was a member of the working group of the geodetic department's "Small rivers of the Kazakhstan-Orenburg transboundary region". Within the framework of the project, the features of the territorial organization of the population and the economy of the Chagan river basin and its impact on the ecological state of the river have been studied. In 2015-2018 years. Utebalieva B.E. is a participant in the Grant Project of the Department of Geography, funded by the Ministry of Education and Science of the Republic of Kazakhstan "Development of strategies for the formation, development, functioning of industrial clusters in the West Kazakhstan and Aktobe regions." Within the framework of the project, on the basis of studying the industrial potential, the peculiarities of the territorial organization of the industrial and social infrastructure, the foreign experience of cluster initiatives and taking into account the socio-economic conditions of Kazakhstan, to develop a strategy for the development and operation of industrial clusters in the West Kazakhstan and Aktobe regions, which contributes to industrial and innovation development and increasing the competitiveness of industrial enterprises in the two regions.

Since 2016, from the extrabudgetary funds of the University, the scientific project of the Doctor of Biological Sciences, Professor T.E. Darbayeva on the topic "Assessment of the current state of disturbed ecosystems in the lower reaches of the Ural River and the development of the biological basis for their recovery." As part of the research group, the teachers of the department Alzhanova B.S., Bohorova S.N., Zharoyeva A.G., Udreeva K.S., undergraduates of the department A. Sarsenov, A. Salimgereeva, M. Maidanova, students of the specialty 5B011300 - Biology Devyatkina V., Salimbaeva K. As scientific advisers invited Safronova I.N. - Doctor of Biological Sciences, leading researcher of the Botanical Institute. V.L. Komarova RAS., Onipchenko V.G. - Doctor of biological sciences, professor of M.V. Lomonosov Moscow State University.

Funded research work on the accredited EP

	Theme name	Financing		Full name of scientific manager	Number of performers	
		Volume, thousand t.	Admin. project, the source of funding (g / b, x / d, etc.)		Total	Including students, undergraduates, doctoral students, PhD, candidates and doctors of science
1	Biological reclamation of disturbed ecosystems of the Karachaganak oil and gas condensate field and the adjacent territory	5mln. tg a year	g/b 2013-2015	Fartushina M.M.	9	Doctors of sciences - 1, candidates of sciences - 3, masters - 2, students -3
2	Assessment of the current state of disturbed ecosystems in the lower reaches of the Ural River and the development of the biological basis for their restoration	990,0	g/b 2016-2017	Darbaeva T.E.	13	Doctors of sciences -1, candidates of sciences - 4, masters - 3, masters - 3, students - 2
	TOTAL	5,990 mln.tg			22	

In 2014, within the framework of the scientific consortium, a joint scientific research expedition was organized by the "Pallas Route in the Northern Caspian Region in 240 years: botanical notes" with the St. Petersburg State University and the Botanical Institute of the Russian Academy of Sciences. The results of scientific projects, conclusions and recommendations are reflected in the solution of environmental problems of the Western region and decision-making at the governmental level.

Under the program of academic mobility of the teaching staff in 2014, Doctor of Biological Sciences, Professor of the Department of Geobotany MSU. M.V. Lomonosov V.G. Onipchenko conducted a master class for students, undergraduates and teachers of the department on the topic "The current state of phytocenology and the functional aspects of their organization." In July 2014 teachers of the chair of Darbayeva T.E, Alzhanova B.S., Bokhorova

S.N. Together with a senior research fellow at the Botanical Garden of Moscow State University. M.V. Lomonosov Candidate of Biological Sciences, Professor E.V. Klyuykov organized an expedition to the WKO territory to study the species diversity of the Umbrella family. The materials of the expedition were published in the annual Ivanovo readings, the collected herbarium was transferred to the herbarium of the Department of Biology and Ecology of M. Utemisov WKSU.

January 8, 2014 Doctor of Biological Sciences, Professor of the Department of Geobotany MSU. M.V. Lomonosov V.G. Onipchenko conducted a master class for students, undergraduates and teachers of the department on the topic "The current state of phytocenology and the functional aspects of their organization."

From 4 to 22 February 2017, the expert of the SES project, Professor Hans Dieter Barke - University of Munster (Germany, Munster) conducted a master class for students specializing in 6M011300 - Biology, 6M060700 - Biology, 5B060800 - Ecology, etc., leading teachers of the department with subsequent analysis and recommendations.

In the framework of further cooperation with scientists from far abroad, the department plans to invite the associate professor PhD Tara Scully of George Washington University, USA.

The faculty of the department actively participates in the introduction of innovations, methods and methods of teaching, including in the course of carrying out scientific projects aimed at the requests of employers and consumers, and also work on the development of methods for teaching disciplines. So the teachers of the department issued the following textbooks and manuals: "Age physiology and school hygiene" (authors Rustenova R.M., Bohorova S.N., Dzhangaziyev B.Zh., 2014), "Safety of life" (Zharoeva A.G., Bisengazieva A.S., Rustenova R.M., 2014), "Applied biology and the fundamentals of soil science" (author Kazhiakhmetov S.A., 2014), "The course of lectures on phytocenology" (authors Petrenko A. Z., Fartushina M.M., Mamysheva M.V., 2014), "Ecology and Sustainable Development" (authors Jangaziyeva B.Zh., Bohorova S.N., 2015), etc.

The level of gradualness of teaching staff by Master EP is 100%. Of the total number of teachers, 50% conduct classes in the state language.

In general, it can be stated that the EP is fully staffed with qualified teaching staff (according to the staff schedule) for the entire period of study, in accordance with the qualification requirements of the Master's and Bachelor's degrees in all the EPs.

To improve the quality of teaching, to ensure a close relationship with the production process, specialists with experience in relevant industries are involved in the training process. The selection of teachers-practitioners is carried out on the basis of qualification requirements, job descriptions and approved staffing, taking into account the extensive experience in the relevant field of activity.

The share of teachers-practitioners in the department of "Biology and Ecology" is 45%. The teaching staff of the department has state awards, honorary titles, honorary certificates for merits in the field of education of the branch of industry.

Teachers of the department take an active part in the development of normative documents jointly with the leading research organizations of the Republic of Kazakhstan.

Young teachers are actively involved in the research work of the department being upgraded.

Upgrading the qualifications of teaching staff for accredited EPs

level of faculty professional development		2014/2015	2015/2016	2016/2017
RK		5	5	13

Near Abroad		-	-	1
Far abroad		1	3	1

The teaching staff survey conducted during the visit of the IAAR EEC showed that: Based on the results of the EEC survey, the trainees were fully satisfied with 86%, partially satisfied with 13%, partially dissatisfied - 1.2%, dissatisfied - 0.4%.

Strengths of EP are:

- complete compliance of the qualifications of teaching staff with the specifics of accredited EPs;
- Active involvement of specialists with experience in the relevant industry, in the implementation of educational programs;
- the adequacy of individual planning of the work of the teaching staff for all activities, monitoring the effectiveness and effectiveness of individual plans;
- active introduction of innovative technologies in the educational process;
- participation in the implementation of research projects.

In order to further develop and improve the activities of the Academy in the implementation of accredited educational programs, the IAAR EEC recommends:

- consider ways to increase the level of academic mobility of teaching staff;
- to assist in attracting foreign teachers to conduct joint research with teaching staff;
- supporting the research activities of the teaching staff, ensuring the link between research and training;
- attraction of specialists with experience in the field of pedagogical science, also well-known scientists of biologists and ecologists.

According to the Standard "Teaching staff and the effectiveness of teaching," the accredited educational programs have 4 strong, 12 satisfactory, with 2 positions expected to improve.

6. Standard "Educational resources and student support systems"

When implementing educational activities M.Utemisov WKSU is guided by normative documents that regulate the mandatory regulatory requirements for the material, technical and educational-laboratory base of education organizations.

According to the accredited EP according to the trajectory of training, there are 18 specialized scientific and methodical rooms, lecture rooms and training laboratories (Ecology and Biochemistry, Zoology, Plant Systematics, Plant Physiology, Analytical Chemistry, research laboratory ", " Laboratory of analysis of environmental objects ", " Soil Science ", " Anatomy, human and animal physiology ", etc.). Including the Test Laboratory of Ecology and Biogeochemistry, where both the laboratory classes in the relevant disciplines are conducted, and the experimental and research and research work of the students are carried out.

The necessary equipment to improve the material and technical security of the EP is obtained both from the university's funds and from research projects.

To equip the educational process, specialized laboratories and offices, materials worth 50,472,800 tenge were purchased. A positive trend in the structure of the University's expenses is an increase in financial investments for updating the computer base and software.

Annually for the new academic year, repairs and preparation of the auditor fund are carried out. Before the onset of the heating season, the heating system is prepared for trouble-

free operation in the winter. All types of work are completed with the formulation of the certificate of 100% readiness and permission for the use of heat and hot water.

Annually at the meetings of the department, the educational-methodical council of the university, the academic council, the administration, the questions on ensuring the educational activity with the necessary resources are heard.

Information resources of the University are available to students and teachers both in the internal network of M.Utemisov WKSU, and in the Internet, in particular, users are granted access to the following information resources of the university.

The speed of information transfer within the corporate network is 100 Mbit / sec (7 academic buildings and 3 dormitories), in the server segment and on campus mains - 1000 mbps. Connection to the Internet is carried out through a wireless connection WiMax, at a speed of 52 mbit / s with unlimited traffic.

The software used to organize the educational process, create and display information content, etc. more than sixty titles.

The university has developed and operates software products for which there are copyright certificates:

- the program complex "Preparation of the schedule of training sessions WKSU";
- software complex "Test Control System";
- automated system "Antiplagiat";
- AIS "Makhambet" and others.

On the territory of the educational buildings there is a wireless WiFi network and information terminals are installed. Computer classes are working outside the class until 8 pm and on weekends.

Great importance for the effective organization of the educational process is the provision of students with educational and methodological disciplines (disciplines). For 2016-2017 academic year the complexes of the educational complex on specialty 5B060800 Ecology - 29, on specialty 6M011300 Biology - 31, on specialty 6M060700 Biology - 12 are developed. On the studied disciplines for the intermediate knowledge control the test tasks and questions for oral interrogation are developed and made.

The number of textbooks, teaching methodical and scientific literature on specialty 5B0608000 Ecology is: 9915 units. Of them in the Kazakh language - 5910 units. (59.5%); 6M11300 Biology - 24648 eu.f., of which in the Kazakh language - 13422 e. (54.5%); 6M060700 Biology - 9385 units, of which in the Kazakh language - 5117 e. (54.5%). In connection with the introduction of polygamy into the educational process, the library fund is replenished with literature in English and amounts to the following specialties: 5B060800 Ecology - 185; 6M11300Biology - 112, 6M060700 Biology - 110.

Table - Number of textbooks, educational methodological and scientific literature

№	Clusters	Specialty code	Educational program	In Kazakh	In Russian	In English
1	Cluster 2	5B060800	Ecology	5910	3820	185
		6M011300	Biology	13422	11114	112
		6M060700	Biology	5117	4158	110

Library resources used for the organization of the educational process for educational programs 5B060800 Ecology, 6M011300 Biology, 6M060700 Biology are sufficient in the context of the languages of instruction and correspond to the requirements of the implemented educational program.

Students and teachers can use periodicals of the electronic database PQOT, RFBR (Russian Foundation for Basic Research) www.rfbr.ru, NAB RK (National Academic Library of the RK) www.kazneb.kz, Unified electronic library elibrary.kz, International Science and

Innovation Center <http://snauka.ru/>, Electronic journals "Modern scientific research and innovations", "Humanitarian scientific research", "Modern Technology and Technologies", "Economics and Management of Innovative Technologies", "Psychology, Sociology and Pedagogy", "Modern Pedagogy", "Philology and Literary Studies", "Politics, State and Law", "Agriculture, Forestry and Water Economy" , "Research in the field of natural sciences", on the websites bravica.ru, journal.knigka.info, jurnal-portal.ru, letitbook.ru and others.

The survey of students conducted during the visit of the IAAR EEC showed that: the quality of services provided in libraries and reading rooms fully meets 90.7%, partially satisfied 9.3%.

Strengths of EP are:

- an effective system for collecting, analyzing and managing information;
- compliance of the information management system of the mission's, goals and objectives;
- availability of effective document management system;
- high level of participation in the management of the University of teaching staff and students;
- a good level of satisfaction with the quality of the learning process;
- the availability of elements of information management automation.

In order to further develop and improve the implementation of the accredited EEC educational program, IAAR **recommends:**

- to increase the amount of books and textbooks in the Kazakh language, in English according to accredited EP;
- further updating educational content, meeting the individual needs of students;
- to activate the work of the department on attracting sponsors from production to strengthen the material and technical base of accredited EP.
- to intensify measures to increase the contingent of undergraduates.

According to the Standard "Educational Resources and Student Support Systems", the accredited educational program has 7 strong, 12 satisfactory positions.

7. Standard "Information management"

M.Utemisov WKSU carries out constant system work on the functioning of the system for collecting, analyzing and managing information.

The university has created and is developing a system for monitoring and ensuring the quality of education, which meets the regulatory requirements, which represents a continuous process from career-oriented work to the employment of graduates.

The realization of the mission, strategy, goals and objectives of the university are reflected in the planning of the activity of the university and its departments, which is the key to their implementation. The current plans of the WKSU are given in the Planning Matrix, for example: the University work plan; the work plan of the Academic Council; the plan for the university's academic work; a plan for the research work of the university; the work plan of the Center for Academic Affairs and the Bologna Process, etc.

The university widely used the system of electronic document management on the basis of various software products, this or that functional purpose. The University has a WEB-portal (<http://wksu.kz/>) in the Internet, which provides access to the unified information and educational environment of the university, which includes both internal and external electronic resources. The university has developed and operates software products for which there are copyright certificates.

Thus, in M.Utemisov West Kazakhstan State University operates a system of collecting and analyzing information about the institution as a whole and educational programs in particular for the effective implementation of the management process, which is reflected in the data of the automated information system and in the documented records of structural units. Collection and analysis of information in WKSU includes the following mandatory indicators

- 1) the dynamics of the contingent of students in the forms: training, courses, languages of instruction, groups, training areas and other parameters in the AIS University (Platonus), orders and other sources);
- 2) the level of academic achievement, student achievement and deduction (exam-test records, form 3NK, form 34 at the end of the session, orders, data from the statistics and contingent department, planning and organization center of the educational process, etc.);
- 3) students' satisfaction with the implementation of educational programs (EP) and the quality of education in the university (achieved through the systematic collection and analysis of information by structural units and periodic surveys and other indicators.

For the purpose of identifying and forecasting risks, an analysis of the external and internal environment and, in particular, of the material and technical base is provided; staffing; level of development of social partnership; international cooperation; vocational guidance and recruitment; competitive environment and employment, etc. First of all attention is drawn to the risks in the processes, on which the stable development of the EP depends to a greater extent.

For the purpose of information management, the university's departments use the University's Educational Portal, where the normative documents of the university are freely available and personalized access to information on the management, planning and implementation of the EP (curricula, teaching materials, schedule, .). Operative management of information exchange between units is carried out through the electronic document management system on the basis of various software products, the WEB-portal Internet (<http://wksu.kz/>). The university widely used the system of electronic document management.

The questionnaire survey conducted during the visit of the IAAR EEC showed that the utility of the website in the organizations of education in general fully satisfies 81.3%, partially satisfies 14.7%, partially does not satisfy 4%.

Strengths of EP are:

- an effective system for collecting, analyzing and managing information;
- compliance of the information management system of the mission's, goals and objectives;
- availability of effective document management system;
- high level of participation in the management of the University of teaching staff and students;
- a good level of satisfaction with the quality of the learning process;
- the availability of elements of information management automation.

In order to further develop and improve the implementation of the accredited EEC educational program, IAAR **recommends:**

- to increase the involvement of trainees and teaching staff in the processes of collecting and analyzing information for decision-making on their basis;
- continue the work on updating the material and technical base for all accredited programs.
- systematize the work on the analysis of information in order to identify and predict the risks of implementation and development of the educational program;
- to strengthen the work of the electronic document management system.

According to the "Information Management" standard, the accredited educational program has 7 strong, 6 satisfactory, 1 is expected to improve 1 position.

8. Standard “Informing the public”

To a large extent, the formation of a positive image of WKSU is influenced by the active dissemination of information about its activities. The information is posted on the university's website both in the news section and in the thematic sections. The university newspaper "Orken" is produced, video news, articles, speeches of scientists are published in the media of the region and the republic. So the press service of the university and the IT center provided in 2015 the preparation and placement of a large number of information, analytical, image and other materials in the media. All of them are posted on the WKSU website (wksu.kz) and on the YouTube video channel of the WKSU <http://www.youtube.com/user/wksutv/>.

The site reflects the life of the university, scientific projects and international cooperation. Through the website, students can access the University's resources in the form of links, receive up-to-date information on new opportunities for academic mobility, practice, and others.

The site reflects information about structural divisions and departments, teachers.

Information on the activities of universities is useful both for applicants and students, and for graduates, other stakeholders and the general public. Therefore, WKSU provides information on its activities, including programs being implemented, the expected results of studies on these programs, qualifications awarded, teaching, training, evaluation procedures, passing scores and educational opportunities for students, as well as information on job opportunities for graduates.

During the academic year, the activity of the university was systematically covered in the media:

- in the republican print media (the newspapers "Kazakhstanskaya Pravda", "Egemen Kazakhstan", "Ana Tili", the magazine "Stas", "Azh Zhayy. kz", "Modern Education", etc.), on the republican television (KAZTRK Kazakhstan ", " Khabar ", " 24KZ ") - 17 publications / programs; as well as in the regional media; - came out the university student newspaper "Orken" -10 issues.

Associate Professor of the Chair, c.a.s. N.R. Muldakhanov published the cycle of the article «Табиғатты, ауаны, топырақты және суды қорғайтын халықтық дәстүрлері» courts қорғайтын халықтық дәстүрлері "in № 10 (925) -11 (926) 2016, associate professor of the department, Ph.D. A.Utaubaeva published an article "George Washington University of Lithuania" on the results of the internship at the George Washington University (Washington, USA) under the “Bolashak” program in No 11 (926) 2016, associate professor of the department, c.b.s., Kaisagaliyeva GS published an article "Show High School from the Best Side", in the newspaper "Arken" (№7 (911)) and others (Appendix 8.1.Publications of teaching staff in the media).

Nevertheless, an analysis of the content of the site of the university allowed us to establish that:

- there is no transparency of the information regarding the consideration of complaints, through the placement of a virtual complaint book for consumers on the website of the university;
- information on interaction with scientific / consulting organizations and educational organizations implementing similar educational programs is not provided.

The questionnaire survey conducted during the visit of IAAR EEC showed that: the adequacy of recognition of the capacity and abilities of teachers was assessed very well by 93.9%, relatively poorly 6.1%.

Strengths of EP are:

- participation of educational programs in various external evaluation procedures, including in ratings and ranking of educational programs;
- active participation of teaching staff in the publication and speeches in the media.

In order to further develop and improve the activities of the Academy in the implementation of accredited educational programs, IAAR EEC **recommends:**
- to reflect information on interaction on the EP with scientific organizations and educational organizations that implement similar educational programs.

Under the Standard "Public Awareness", accredited educational programs have strong, 4 satisfactory positions.

9. Standards in the context of individual specialties.

The organization of educational activities in the context of accredited EPs is carried out through planning the educational process and the content of education, and the choice of ways to conduct them.

Teaching is conducted on the basis of modern achievements of science and practice in the field of specialization, as well as using advanced methods and technologies of teaching - the method of problem training, the method of development of critical thinking. For the formation of professional competencies, the use of training trainings, business games is widely practiced, and information and communication technologies are also used in teaching.

All the disciplines of the educational program are aimed at the formation of certain competencies, which allow to achieve the objectives of the program, the planned learning outcomes.

When studying the basic compulsory module of Pedagogy and Psychology (the volume of 8 credits), the students acquire the competences of psychological methods and means of increasing the effectiveness and quality of instruction in modern conditions, managing the learning process in conflict situations, etc. In the process of mastering the disciplines of the Bachelor's program, then elective disciplines Master's degree programs students acquire competences in the field of information technology. Mastering of innovative methods of teaching and planning education, incl. interactive methods of teaching, methods of teaching with high involvement and motivation of students are carried out through the study of the bachelor's disciplines "New Approaches in Teaching and Learning", "Methods and Techniques of Intensive Training", "Innovative Technologies in Teaching Biology" and subsequently the Master's Degree "Forms and Methods the organization of the educational process in the university, "" Theory and practice of pedagogical activity in the university, "" Methods of teaching in higher educational institutions, "and others.

In the process of training, special attention is paid to the practical aspect realized within the framework of occupations in the specialty. Cooperation with research organizations was established with the aim of conducting and assimilating the methods of scientific research, during which students directly observe, experiments, experiments, etc.

The ability of students to learn skills of self-education is formed throughout the development of the EP in both undergraduate and graduate programs. In all disciplines of the magistracy, 80% of the total number of hours is allocated to the independent work of the students, which also contributes to learning the skills of self-education and in the future to teach others.

Within the framework of EP 6M011300 Biology, students learn the disciplines in the field of their specialization, taught by practicing specialists, such as "Organization and planning of scientific research", "Teaching methodology of pedagogy", "Methods of organizing field research and experiments in biology", "Geobotany" (d.b.s. Professor Darbayeva T.E.), "Soil Science" (c.a.s., Associate Professor Chekalin S.G.), "Ichthyology" (c.b.s., Associate Professor Murzashev T.K.) and others.

During the course of pedagogical and research practice (10 credits), students attend classroom and extracurricular classes of leading teachers, practitioners, conduct their classes using new teaching methods and technologies. In addition, students take an active part in various levels of seminars, master classes, round tables and conferences devoted to the issues of the latest teaching methods and technologies.

The results of the training according to EP 6M011300-Biology are: the formation of competencies demanded on the labor market, the formation of readiness for professional activity, personal, professional and social development of students, contributing to socialization, the formation of a common culture of the individual.

To strengthen practical training in the field of specialization, the management of the EP attracts practitioners for conducting classes, final attestation of trainees, reviewing EPs, diploma projects, the work of the committees on WC and CED, and other activities. Also conducts practical classes and independent work on the basis of enterprises and organizations, under the guidance of teachers and specialists.

EP of accredited specialties provides training for students in the field of application of modern information technologies, which is provided by the development of disciplines "Information and Communication Technologies", "Computer Technologies and Statistical Methods in Ecology", "Mathematical Modeling in Ecology" and others. The management of the EP organized training seminars, courses on the use of modern information technologies, in particular for university students in the period 2014-2015 academic year, from June 17 to July 2, Professor Jong Hyun Liiz (SUNGKONGHOE University of South Korea, Pusan) was invited.

The content of all disciplines of the EP is based and includes a clear relationship with the content of the basic natural sciences.

The management of the EP provides training for students in the field of application of modern information technologies, which is provided by the development of the disciplines "Information and Communication Technologies", "Computer Technologies and Statistical Methods in the Environment", "Mathematical Modeling in the Environment" and others, as well as training seminars, courses on the use of modern information technology.

In order to further develop and improve the activities of the Academy in the implementation of accredited educational programs, IAAR EEC **recommends:**

- to attract practicing specialists in the field of pedagogical science to lecture undergraduates the direction of education;
- to ensure measures to strengthen practical training in the field of biology and ecology.

The standard "Standards in the context of individual specialties" disclosed 11 criteria, of which 1 strong, 8 satisfactory, 2 suggests improvements.

RECOMMENDATIONS

In order to further develop and improve the implementation of the accredited EEC educational program, IAAR **recommends:**

1. To carry out work on improvement of the content of the educational program with a similar EP of leading foreign educational organizations.
2. To intensify the work on the introduction of the results of the research work of the teaching staff in the educational process.
3. Regularly conduct discussion and implementation of the newest innovative training technologies in the field of education.
4. Ensure the continuity of the content of the educational program at various levels, the logic of the academic interconnection of disciplines, consistency and continuity.
5. Strengthen cooperation and exchange of experience with foreign educational organizations for joint educational programs of two-diploma education.
6. Increase the amount of books and educational literature in English according to accredited EP and ensure that the content of the disciplines corresponds to the current development trends in the field of ecology and biology.
7. Strengthen the work of conducting field and field practices in botany and zoology and expand the geography of places where practitioners pass.
8. Intensify the work on the organization of the department's branches in the production.
9. Strengthen the work on their own developments in the field of teaching methods for profile disciplines.
10. To continue carrying out of researches and introduction of their results in educational practice on EP.
11. To intensify the research of own developments in the field of methodology.
12. Improve the conditions for inclusive education.
13. Involvement of graduates of bachelor's degree for further study in magistracy and research work.
14. Consider the possibility of conducting professional certification of students on the educational programs of the cluster.
15. Consider the possibility of increasing the level of academic mobility of teaching staff.
16. Facilitate the involvement of foreign teachers in conducting joint research with teaching staff.
17. Support the research activities of the teaching staff, ensure the link between research and training.
18. Increase the volume of book-keeping and educational-methodical literature in the Kazakh language, in English according to accredited EP.
19. Further updating of educational content, meeting the individual needs of students.
20. Activate the work of the department to attract sponsors from production to strengthen the material and technical base of accredited EP.
21. Activate measures to increase the contingent of undergraduates.
22. Systematize the work on the analysis of information in order to identify and predict the risks of implementation and development of the educational program.
23. Strengthen the work of the electronic document management system.

PARAMETERS OF SPECIALIZED PROFILE

№	№	Criteria for evaluation	Position of the organization of education
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			Strong	Satisfactory	Assumes improvement	Unsatisfactory
Standard "Management of the educational program"						
1	1	The institution must have a published quality assurance policy.		+		
2	2	A quality assurance policy should reflect the relationship between research, teaching and learning.	+			
3	3	The university should demonstrate the development of a culture of quality assurance.		+		
4	4	A quality assurance policy should also apply to any activities performed by contractors and partners (outsourcing).		+		
5	5	The university demonstrates the development of an EP development plan based on an analysis of its functioning, the actual positioning of the institution and the focus of its activities on meeting the needs of the state, employers, stakeholders and students.	+			
6	6	The university defines the mechanisms for the formation and regular revision of the educational program development plan and monitoring of its implementation, assessment of the achievement of the training objectives, the needs of students, employers and society, decision-making aimed at the continuous improvement of the educational program		+		
7	7	The university demonstrates the transparency of the formation of the development plan for the EP. The university provides information to stakeholders about the content of the development plan for the EP and the processes of its formation.	+			
8	8	The university should involve representatives of stakeholder groups, including employers, trainees and teaching staff, in the formation of an EP development plan.	+			
9	9	The university should demonstrate the individuality and uniqueness of the development plan for the EP, its coherence with national development priorities and the development strategy of the education organization.	+			
10	10	The university should ensure the compliance of the development plan for the EP and the available resources (including financial, information, personnel, material and technical base).		+		

11	11	In the education organization, all the main business processes regulating the implementation of the EP should be documented.	+			
12	12	The university should demonstrate a clear definition of those responsible for business processes, an unambiguous distribution of the duties of the staff, the delineation of the functions of the collegial bodies participating in the implementation of the EP.	+			
13	13	The university systematically analyzes information on the implementation of the educational program and conducts self-examination in all areas to assess the success of the implementation of the strategy for the development of the educational program through such indicators as "effectiveness" and "efficiency."		+		
14	14	The EP management should provide evidence of transparency in the management of the educational program.		+		
15	15	The management should demonstrate the successful functioning of the internal quality assurance system of the EP, including its design, management and monitoring, their improvement, decision-making on the basis of facts.		+		
The management of EP should include:						
16	16	management of activities through processes;	+			
17	17	mechanisms for planning, development and continuous improvement;	+			
18	18	risk assessment and identification of ways to reduce these risks;		+		
19	19	monitoring, including the creation of reporting processes, allowing to determine the dynamics in the activities and implementation of plans;		+		
20	20	analysis of identified non-conformities, implementation of the developed corrective and preventive actions;		+		
21	21	analysis of the effectiveness of changes;		+		
22	22	evaluation of the effectiveness and effectiveness of the units and their interaction;		+		
23	23	interaction with employers.		+		
24	24	The university should ensure the participation of representatives of interested persons (employers, teaching staff, students) in the collegial bodies of management of the educational program, as well as their representativeness in making decisions on the		+		

		management of the educational program.				
25	25	The EP management should ensure that the degree of satisfaction of the teaching staff, staff and student needs is met and that evidence is shown to address the deficiencies found in the measurement process.		+		
26	26	The EP management should demonstrate evidence of openness and accessibility for students, teachers, employers (official hours of reception on personal matters, e-mail communication, etc.).	+			
27	27	The university should demonstrate the existence of a communication channel, whereby any interested person can make innovative proposals to improve the activities of the EP leadership. The university should demonstrate examples of the analysis of these proposals and their implementation.	+			
Total by standard			11	16		
Standard "Development and approval of the educational program"						
28	1	The university should define and document the procedures for the development and evaluation of the quality of the educational program, establish the frequency, forms and methods for assessing the quality of the educational program.		+		
29	2	The institution should establish the procedure for periodic review and monitoring of educational programs.		+		
30	3	The university should determine the requirements for educational programs, depending on their specificity, level of education, as well as the technologies used, incl. remote.		+		
31	4	The university should demonstrate the existence of the developed models of the graduate of the educational program, including knowledge, skills, skills and professional competencies.	+			
32	5	The university should demonstrate the participation of teaching staff, employers and students in the development of educational programs, ensuring their quality, provide evidence that employers are typical representatives of employers.		+		
33	6	The university should provide external expertise of the educational program and its approval by collegiate bodies.		+		
34	7	The EP management should clearly define the objectives of the EP.		+		
35	8	The EP management should demonstrate the logic of drawing up curricula and training programs, in particular the reasons for including a discipline in the curriculum list, the reasons for assigning post- or		+		

		prerequisite status.				
36	9	The EP management should ensure that the title and content of the disciplines correspond to the current trends in the development of the studied field of science / society, and so on.		+		
37	10	The institution should determine the content, scope, logic of the construction of the individual educational trajectory of students.		+		
38	11	The management of EP should demonstrate the continuity of the content of the educational program at various levels, incl. the logic of the academic interconnection of disciplines, consistency and continuity.			+	
39	12	The EP management should ensure that the contents of curricula and training programs are reviewed annually, taking into account changes in the market, the wishes of employers, trainees and teachers.	+			
40	13	The EP management should demonstrate the influence of the disciplines on the formation of professional competence among students.		+		
41	14	The complexity of EP should be clearly defined in Kazakhstan credits and ECTS.	+			
42	15	The structure of the educational program should provide for various activities, the content of which should contribute to the formation of professional competence of students.	+			
43	16	The university should demonstrate the effectiveness of organizing and conducting professional practice.		+		
44	17	The university should ensure that the contents of the curricula and the planned learning outcomes are consistent. The list and content of the disciplines should be accessible to students.	+			
45	18	An important factor is the harmonization of the content of educational programs with similar educational programs of leading foreign and Kazakhstan educational organizations.		+		
46	19	An important factor is the availability of joint educational programs with foreign educational organizations.			+	
47	20	An important factor is the cooperation and exchange of experience with other educational organizations that implement similar educational programs.		+		
48	21	The EP management should ensure that there are research elements in the content of the EP.		+		
Total by standard			5	14	2	
Standard "Student-centered learning, teaching and assessment of progress"						
49	1	The management of EP must ensure equal opportunities for students, including students.	+			

		regardless of the language of instruction, on the formation of an individual educational program aimed at the formation of professional competence.				
50	2	The EP management must ensure the harmonious development of students in the light of intellectual development and individual characteristics.	+			
51	3	The EP management team should ensure the introduction and effectiveness of the use of active and innovative teaching methods.		+		
52	4	The EP management should ensure the availability of its own developments in the field of methods of teaching the academic disciplines.		+		
53	5	The EP management should demonstrate the availability of a feedback system on the use of different methods of training and knowledge control.		+		
54	6	When implementing the educational program, the management of the EP should monitor the independent work of the trainee and an adequate evaluation of its results.		+		
55	7	The EP management should monitor the students' satisfaction with the passage of professional practices.	+			
56	8	The EP management team should demonstrate decision-making based on feedback from the trainees and assessing their satisfaction.		+		
57	9	The EP management must prove the availability of a system for monitoring the progress of the student on the educational trajectory and the achievements of students.	+			
58	10	The EP management should ensure the availability and effectiveness of an objective evaluation mechanism for learning outcomes, a collegiate appeal mechanism, transparency of evaluation criteria and tools.	+			
59	11	The EP management should ensure that the procedures for assessing the level of knowledge of students are available to the planned learning outcomes and program objectives according to established criteria and methods of evaluation.	+			
60	12	The EP management should provide conditions for inclusive education.			+	
Total by standard			6	5	1	
Standard «Learners»						
61	1	The EP management should demonstrate the policy of forming a contingent of trainees from the pre-release EP and ensure the transparency of its procedures. Procedures regulating the life cycle of students should be approved and published.	+			
62	2	Admission and admission to the educational program should be accompanied by an introductory course containing information on the organization of	+			

		education and the specifics of the educational program.				
63	3	The EP management should envisage a special program of adaptation and support for foreign students.		+		
64	4	The EP management should demonstrate the conformity of its actions to the Lisbon Recognition Convention.	+			
65	5	The university should cooperate with other educational organizations and national centers "European Network of National Information Centers for Academic Recognition and Mobility / National Academic Recognition Information Centers" in order to ensure comparable recognition of qualifications.	+			
66	6	The management of the educational program should demonstrate the existence and effectiveness of the mechanism for recognizing the results of academic mobility of trainees, as well as the results of additional, formal and informal training.	+			
67	7	The management should demonstrate the effectiveness of monitoring the academic achievements of students.		+		
68	8	The EP management should demonstrate the awareness of the main roles (professional, social) students based on learning outcomes.		+		
69	9	The EP management should promote professional certification of trainees.			+	
70	10	The EP management should ensure the involvement of students in research and consulting work.			+	
71	11	The university and the management of the EP should provide an opportunity for external and internal mobility of students, as well as assist them in obtaining external grants for training.		+		
72	12	The institution should provide the graduates with documents confirming the received qualification, including the results achieved, as well as the context, content and status of the education received and evidence of its completion.	+			
73	13	The EP management should ensure measures for the employment of graduates, systematic monitoring of the employment of graduates, the development of their career and increasing the effectiveness of the work of associations of graduates.		+		
74	14	The EP management should provide an opportunity for learners to exchange and express opinions - for example, through the Internet forum, student organizations.		+		
75	15	The EP management should demonstrate the functioning of the feedback system of the students 'support, including the prompt presentation of information on the results of the assessment of the	+			

		students' knowledge.				
76	16	The EP management should demonstrate the availability and effectiveness of the support mechanism for gifted students.		+		
Total by standard			7	7	2	
Standard "Teaching staff"						
77	1	The university should have an objective and transparent personnel policy, which includes hiring, professional growth and development of personnel, which ensures the professional competence of the whole state.	+			
78	2	The EP management should demonstrate the conformity of the personnel potential of the PPP with the development strategy of the university, the qualification requirements, the level and specifics educational program and recruitment based on the recruiting system.		+		
79	3	The EP management should demonstrate the awareness of responsibility for its employees and the provision of favorable working conditions for them.		+		
80	4	The EP management should demonstrate the changing role of the teacher in connection with the transition to student-centered learning.		+		
81	5	The university should demonstrate the availability to the public of information about the teaching staff, including the catalogs of the teaching staff, the posting of questionnaires on the university's website.		+		
82	6	The EP management should monitor the activities of the teaching staff, systematically assess the competence of teachers, an integrated assessment of the quality of teaching, including assessment of the satisfaction of teachers and students.		+		
83	7	The EP management should ensure completeness and adequacy of individual planning of the work of the teaching staff for all types of activities, monitoring the effectiveness and effectiveness of individual plans, demonstrate evidence of teachers performing all types of planned workload.		+		
84	8	The EP management should demonstrate support for the research activities of the teaching staff, ensuring the link between research and training.		+		
85	9	The EP management should demonstrate the availability of a system of professional development, professional and personal development of the teaching staff and administrative and management personnel, as well as the correspondence of the professional development and personal development of the teaching staff development strategy.		+		

86	10	The EP management should involve specialists with experience in the relevant industry, as well as well-known scientists, public and political figures.			+	
87	11	The EP management should provide targeted actions for the professional development of young teachers.		+		
88	12	The EP management should ensure the availability of a system to stimulate the professional and personal development of teachers and staff.		+		
89	13	The management of EP should ensure monitoring of satisfaction of the faculty.	+			
90	14	The management of EP should show the involvement of the faculty in practical activities in the field of specialization on a constant basis.		+		
91	15	The management of EP should show IT-competence of the faculty, the conditions of motivation of the faculty to use innovative methods and forms of education, information and communication technologies in the educational process.		+		
92	16	An important factor is development of academic mobility of teachers, involvement of the best foreign and home teachers, conduct joint research.			+	
93	17	An important factor is the participation of the faculty in society (the role of the faculty in education system, in science, in the region, creating cultural environment, participation in exhibitions, creative competitions, charity programs, etc.).	+			
94	18	The management of EP should show compliance priorities consulting, research works, implemented by the faculty of EP, relevant problems of economy, development priorities of the state national policy in the sphere of education, science and innovative development.	+			
Total by standard			4	12	2	
Standard "Educational resources and student support system"						
95	1	The higher educational institution should demonstrate the adequacy of material, financial and human resources.		+		
96	2	The higher educational institution should demonstrate the effectiveness of support services for students and the availability of support procedures	+			
97	3	The higher educational institution should needs to identify the support needs of different groups and categories of students.		+		
98	4	The higher educational institution should ensure the availability and effective performance-oriented to students, employees and interested persons of the system of information and feedback		+		
99	5	The higher educational institution should demonstrate the effectiveness of regular analysis of the adequacy		+		

		of resources and systems of support for trainees, including competence of the personnel involved.				
		<i>In the higher educational institution the environment of training of EP should be created, which contains:</i>				
100	6	technological support of students and the faculty according to programs (for example, online training, modelling, databases, programs of the analysis of the data);		+		
101	7	personified interactive resources (they are also accessible during extra-learning time), and also teaching materials and tasks, possibility of a trial self-estimation of knowledge of trainees through remote access to the portal (site) of the higher educational institution is also provided;		+		
102	8	interactive academic consultations to help trainees to plan and carry out educational programs including the use of personalized interactive resources		+		
103	9	vocational guidance, assisting in a choice and achievement of career ways;	+			
104	10	necessary quantity of the classes equipped with modern facilities of training: educational and scientific laboratories, modern educational-training grounds, the techno parks equipped with the modern equipment, corresponding to realized educational programs, sanitary-and-epidemiologic norms and requirements	+			
105	11	necessary quantity of computer classes, reading rooms, multimedia, language and scientific-methodological offices, number of seats in them;	+			
106	12	the book fund, including fund of the educational, methodological and scientific literature on general educational, base and main subjects on paper and electronic carriers, periodicals in a cut of languages of training;		+		
107	13	structured information in the context of disciplines. For example, presentation materials, videos, lecture notes, compulsory and additional literature, practical tasks etc.;	+			
108	14	scientific databases, electronic scientific journals, and their availability;	+			
109	15	presence of electronic versions of published journals;	+			
110	16	assessment of results of SRW, final works, dissertations on plagiarism;		+		
111	17	easy approach to the educational Internet - resources, functioning of free Wi-Fi in all territory of the higher educational institution.		+		
112	18	The management of EP should to ensure copyright compliance when placing textbooks and teaching in open access		+		

113	19	Training equipment and software should meet modern requirements.		+		
Total by standard			7	12		
Standard "Information Management"						
114	1	The higher educational institution has to ensure the functioning of the system of collection, analysis and information management through the application of contemporary information and communication technologies and software.		+		
115	2	The higher educational institution determines the volume and structure of periodically updated information and persons responsible for accuracy and timeliness in accordance with the development strategy of the University.	+			
116	3	The higher educational institution ensures the timeliness, accuracy, completeness of information and its integrity.	+			
117	4	The management of EP should show the acceptance of management decisions based on analysis of the facts.	+			
118	5	The system of collection, analysis and management of information should be used to ensure the quality of implementation of EP.		+		
		The information which is collected and analyzed by educational organizations, should consider:				
119	6	the dynamics of the contingent of students in the context of forms and types;	+			
120	7	the level of progress, achievements of students and sending down;		+		
121	8	The satisfaction of trainees with the implementation of EP and the quality of teaching at the University;	+			
122	9	the availability of educational resources and support systems for trainees;		+		
123	10	the employment and career development of graduates.	+			
124	11	The management of EP should provide the ability to analyze information to identify and predict risks.			+	
125	12	The higher educational institution should ensure the availability and effective functioning of the information system and feedback focused on students, employees and interested persons.		+		
126	13	Trainees, employees and the faculty have to document their consent to the processing of personal data.		+		
127	14	An important factor is the involvement of students, workers of the faculty in the process of collecting and analyzing of the information and making decisions based on them.	+			
Total by standard			7	6	1	

Standard "Public informing"						
128	1	The higher educational institution must publish information about its activities in general and about the implementation of educational programs. The information must be clear, accurate, objective, relevant and available.		+		
129	2	The management of EP should use different ways of disseminating information, including the information network to inform the general public and interested persons.		+		
		The higher educational institution should demonstrate reflection on the web-site information characterizing the University as a whole and in the context of educational programs, the efficiency of its use for improving the educational process, having the following characteristics:				
130	3	allocation the full objective information about the specificity of educational programs, including operating support systems, learning outcomes and assigning of professional qualifications;	+			
131	4	the availability of adequate and objective information about the faculty, including personal pages of the faculty;	+			
132	5	transparency of information complaints examination, including the allocation of the virtual book of complaints for consumers;	+			
133	6	Allocation of information on the interaction with research/consulting organizations and educational institutions that implement the similarity of the educational program;		+		
134	7	Allocation of information and links to external resources on the results of procedures of external evaluation	+			
135	8	An important factor is the participation of EP in a variety of procedures of external evaluation, including rating and the ranking.	+			
Total by standard			5	3		
"Standards in the context of individual specialties"						
EDUCATION						
Educational programs in the field of "Education" must meet the following requirements:						
136	1	The EP management should demonstrate the availability of the graduate program of theoretical knowledge in the field of psychology and communication skills, analysis of personality and behavior, methods of conflict prevention and resolution, motivation of students;	+			
137	2	The EP management should demonstrate the literacy of graduates of the program in the field of information technology;		+		

138	3	The EP management should demonstrate the availability in the program of disciplines that teach innovative methods of teaching and planning of instruction, incl. interactive methods of teaching, methods of teaching with high involvement and motivation of students (games, case studies / situations, use of multimedia tools);		+		
139	4	The EP management should demonstrate that the students have the ability to teach self-study skills;		+		
140	5	In the framework of EP, emphasis should be placed on various types of practices: - attend lectures and classes conducted by teachers; - holding of special seminars and discussions of the latest teaching methodologies and technologies; - Within the framework of the program, students should be able to listen to at least one discipline in their field of specialization, taught by a practicing specialist			+	
141	6	Within the framework of EP, students should be provided with the knowledge and skills of the systems and methods of pedagogy in the world, as well as knowledge in the field of education management		+		
NATURAL SCIENCES						
Educational programs in the field of "Natural Sciences" should meet the following requirements:						
142	1	In order to familiarize students with the professional environment and relevant issues in the field of specialization, as well as to acquire skills on the basis of theoretical training, the education program should include disciplines and activities aimed at obtaining practical experience and skills in the specialty in general and in the relevant disciplines in particular: - excursions to enterprises in the field of specialization (factories, workshops, research institutes, laboratories, training and experimental farms, etc.), holding separate classes or whole disciplines at the enterprise of specialization, - Conducting seminars to solve practical problems relevant to enterprises in the field of specialization, etc.;		+		
143	2	The teaching staff involved in the education program should include full-time teachers who have a long working experience with a staff member at enterprises in the area of specialization in the education program		+		
144	3	The content of all disciplines should be based in one way or another and include a clear relationship with the content of the fundamental natural sciences, such as mathematics, chemistry, physics		+		

145	4	The EP management should provide measures to strengthen practical training in the field of specialization			+	
146	5	The EP management should ensure the training of students in the field of application of modern information technologies		+		
Total by standard			1	8	2	
Total			53	83	10	

