

#### **REPORT**

External expert of the Commission on the results of the specialised accreditation of educational programmes for the assessment

for compliance with the requirements of the standards for specialised accreditation of educational programmes

5B011200-"Chemistry" 5B060600-"Chemistry" 5B072000-"Chemical technology of inorganic substances", 5B072100 -"Chemical technology of organic substances", 6M011200-Chemistry M. Utemisov West Kazakhstan State University.

From 17 to 19 April 2017.

# INDEPENDENT AGENCY FOR ACCREDITATION AND RATING The External Commission

Addressed Accreditation the Council of the IAAR



## REPORT

External expert of the Commission on the results of the specialised accreditation of educational programmes for the assessment

for compliance with the requirements of the standards for specialised accreditation of educational programmes

5B011200-"Chemistry" 5B060600-"Chemistry" 5B072000-"Chemical technology of inorganic substances", 5B072100 -"Chemical technology of organic substances", 6M011200-Chemistry M. Utemisov West Kazakhstan State University.

From 17 to 19 April 2017.

In accordance with order No. 19-17-OD 04.04.2017 G. Independent Agency for accreditation and rating from 17 to 19 April 2017, an external commission of experts has assessed the compliance of educational programmes 5B011200-"Chemistry" 5B060600-"Chemistry" 5B072000-"Chemical technology of inorganic substances", 5B072100 -"Chemical technology of organic substances", 6M011200-Chemistry M. Utemisov West Kazakhstan State University standards specialised accreditation IAAR.

The report of the external expert Committee (WEC) provides assessment of educational programmes the criteria of the IAAR, the recommendations of the WEC for further improvement of educational programmes and profile settings educational programmes M. Utemisov West Kazakhstan state University.

#### The list of the WEC:

- **1. The Chairman of the Commission** Kosov Vladimir Nikolaevich, doctor of physicomathematical Sciences, Professor of Kazakh national pedagogical University named after Abai (Almaty);
- **2.** Foreign expert Olga Stokolos, Ph. D., associate Professor, I. M. Gubkin Russian state University of oil and gas (RSU), AKKORK expert (Russian Federation);
- **3. Foreign expert** Ognyan Borisov Manolov (Ognyan Borisov Manolov), Ph.D. (c.t.sc.) on Cybernetics and Informatics, associate Professor, European Polytechnical University (Pernik, Bulgaria), expert ACQUIN (Germany);
- **4. Expert** Shomanova Janat Caroliniana, c.ch.s.,Ph. D of Technical science., Pavlodar state pedagogical Institute (Pavlodar);
- **5. Expert** Turebaeva Clara Amanbaevna, PhD of pedagogical science, Zhubanov Aktobe regional state University. (Aktobe);
- **6. Expert** Kurmanbayeva Meruert., d.b.s., al-Farabi Kazakh national University. (Almaty);
- **7. Expert** Sheldakova Zhanar Sheldakova, PhD in geography, L. N. Gumilev Eurasian national University. (Astana);
- **8. Expert** Aisulu Ismailova Abzhapparovna, PhD of information systems, S. Seifullin Kazakh agrotechnical University. (Astana);
- **9. Expert** Turtkaraeva Gulnara Bayanovna, candidate of pedagogical sciences, associate professor of Sh. Ualikhanov Kokshetau state University (Kokshetau);
- **10. Employer** Abulkairova Aigul Kuspanovna, head of the Department of human capital development of the chamber of entrepreneurs of West Kazakhstan Oblast "Atameken" (Uralsk);
- 11. Student Plahotnyuk Olga Andreevna, 4th year student of EP 5B072000-Chemical technology of inorganic substances, Zhangir Khan West-Kazakhstan agrarian-technical University. (Uralsk);
- **12. Student** Sarifolla Moldir Shamelkyzy, 4th year student of EP 5B060800-Ecology, Zhangir Khan West Kazakhstan agrarian-technical University (Uralsk);

- **13. Student** Samatkyzy Sholpan, 4th year student of EP 5B011100-Informatics, West Kazakhstan's innovative-technological University (Uralsk);
- **14. Observer from Agencies** Kanapyanov Timur Erbolatovich, head of international projects and public relations IAAR (Astana).



# CONTENT

(I) REPRESENTATION of M. UTEMISOV WEST KAZAKHSTAN STATE UNIVERSITY4	
(II) A DESCRIPTION OF THE VISIT OF THE EEC	
(III) General evaluation of educational programmes	5
(IV) Compliance to the standards of specialised accreditation	
4.1. Standard "Educational programme management"	7
4.2. Standard "Development and approval of educational programmes"	10
4.3. Standard "Student-centred learning, teaching and assessment"14	
4.4. Standard "Trainees"	
4.5. Standard "The faculty"	ħ.
4.6. Standard "Educational resources and student support system"	5
4.7. Standard "Information Management"	3
4.8. Standard " Public informing "	ď
4.9. Standard "Standards in the context of individual professions,"	1
(V) RECOMMENDATIONS TO THE UNIVERSITY	35
OPTIONS of SPECIALISED PROFILE	6

# (I) REPRESENTATION of M. UTEMISOV WEST KAZAKHSTAN STATE UNIVERSITY.

West Kazakhstan state University. M. Utemisov was founded as a pedagogical Institute in 1932. In 1996, the Ural pedagogical Institute was transformed into the Western-Kazakhstan humanitarian University. On May 30, 2003, by the Resolution of the Government of the Republic of Kazakhstan No. 497, WKSU was given the name of Makhambet Utemisov.

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

WKSU carried out educational activities in accordance with the state license № 0026241 series AB (in 2012 in connection with the replacement of licenses WKSU received a license № 12019665 issued by the Committee for control in education and science of the Republic of Kazakhstan 11.12.2012).

The structure of the university includes the faculties of physics and mathematics, pedagogy, 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 industrial areas. The faculty consists of 23 chairs, training personnel for 51 undergraduate majors, 24 graduate programmes. In 23 departments, more than 400 teachers are employed. Among them – 24 doctors of science, 144 PhDs, four Phd and 15 holders of the grant "Best University teacher of the Republic of Kazakhstan", which indicates a fairly high professionalism of the teaching staff.

M.Utemisov West Kazakhstan state University has 7 academic buildings, 3 dormitories, 2 standard gyms, 3 adapted gymnasiums, 2 outdoor playgrounds, agrobiostation on its balance sheet.

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 administrative documentation allows to exercise operational control and distribute powers.

In the aim of development of corporate governance Regulations and formed a Board of employers, alumni Association. July 7, 2016 by the Order of MES of RK approved the composition of the Supervisory Board of WKSU.

According to the results of the national institutional accreditation in 2014. (No. AA0022 from 21.05.2014 g) the University has been accredited for a period of five years. According to the results of the specialised accreditation of educational programmes 26 (15 undergraduate and 11 graduate) accredited for a period of five years. In 2013 3 bachelor's degree programmes accredited by the international accreditation Institute, certification and quality assurance ACOUIN.

Rating by Independent Agency for accreditation and rating (IAAR) three specialties ranked 2 (5B012100 Kazakh language and literature in schools with non-Kazakh language learning, 5B040300 Vocal art, 6M011700 Kazakh language and literature), and six took 3rd place (5B060900 Geography, 5V011300 Biology, 5B040200Instrumental performance, 5B041700 Decorative art, 5B050500 regional Studies, 5B091000 librarianship).

Today M. Utemisov West Kazakhstan state University, is a leader in the regional market of educational services. In 2013. successfully passed the state certification, confirming a high enough level of academic, educational, personnel, financial and other processes of the University.

The University is provided a directory access to the Republican interuniversity electronic library, the Kazakh National electronic library and databases to the world: "SpringerLink", "Thomson Reuters shall be", "ELSEVIER", "Polpredcom", "RGB", etc. Annually the library Fund is enlarged with more than five thousand books for the sum of 15843650 tenge

# (II) DESCRIPTION OF THE VISIT OF THE EEC

Visit the external expert Commission in West Kazakhstan state University. M. Utemisov was organized in accordance with the programmeme previously agreed with the Chairman of the WEC (Appendix) and approved by the rector of the University.

To coordinate the work of the EEC 16.04.2017 G. hosted a kick-off meeting, which were distributed the powers between the members of the Commission, the revised schedule of the visit, agreed in the choice of methods of examination.

Meetings of the EEC with the target groups took place in accordance with the visit programme, in accordance with the established time period. From the team of West Kazakhstan state University. M. Utemisov was provided with the presence of all the persons mentioned during the visit.

During the visit, in addition to working with the target groups, interviews were conducted with students, undergraduates and teachers of the University, graduates and employers.

Data on staff and students, participated in meetings with WEC NAAR

Category of participants	The number
Rector	1
Vice rectors	3
Deans	3
Heads of departments	4
Heads of structural units	23
Instructors	59
Undergraduate and MA students	75
Graduates	25
Employers	14
Total	204

Members of the EEC attended classes at the accredited educational programmes:

Instructor	Name of dicipline	Code	Theme	Room	Time
		Group			
Mendalieva Dina	Жоғары	6M011200	Бақылау	23	$10^{00}$ - $10^{50}$
Kenzhibekovna	мектепте	Chemistry	үдерістегі рөлі.		

	химияны оқыту	1 course	Бақылау		
	әдістемесі	MA	функциялары.		
			Бағдарланған		
			бақылау.		
Kurmasheva	Biochemical	5B011300	«Lipoids»	ХЛ-25	$09^{00}$ - $9^{50}$
Nazym	methods of	01307			
Narimanovna	reseach				
Ispolova Asel	Analytical	5B011200	«Iodometric	14	$10^{00}$ - $12^{00}$
Zhumabaevna	chemistry	Х/п-23	titration»		
Abdrahman	Жалпы химия	5B011200	«Тұздар	ХЛ-29	$10^{00}$ - $12^{00}$
Asemgul		X-11	гидролизі»		
Kairatkyzy					

During the tour, members of the EEC has reviewed the material-technical base, visited the IT center: Laboratory application software Laboratory of educational television and graphic design, robotics Lab, WKSU Museum, Institute of multilingualism, Electronic reading room, rare books room, reading room.

Activities planned during the visit of the EEC NAAR have contributed to a detailed familiarization of experts with academic and University infrastructure, material and technical resources, teaching staff, representatives of employers, students and graduates. This allowed the members of the EEC NAAR to conduct an independent assessment of compliance data contained in reports on self-assessment of educational programmes the criteria of the standards specialised accreditation the IAAR.

In the framework of the planned programme recommendations for improving the activities of the University, developed by EEC based on the assessment results, was presented at a meeting with management on April 19, 2017

## (III) General evaluation of educational programmes

(Educational activities of .M.Utemisov WKSU are carried out in accordance with the state license N 0026241 series AB (in 2012 in connection with the replacement of licenses wksu received a license N 12019665 issued by the Committee for control in education and science of the Republic of Kazakhstan 11.12.2012).

The content of educational programmes is developed taking into account modern achievements of science and technology and production requirements. Annually update the catalog of elective disciplines (CED) and work training programmes.

Evaluation of educational achievements and level of training of students, undergraduates, provided through the use of point-rating system. Ensuring the required quality of training specialists is carried out with application of modern educational technology by the basic educational process is highly qualified teaching staff. Planning, management and implementation of educational programmes in accordance with long-term development plans of the University. Training on OP 5B011200-"Chemistry" is carried out on internal and correspondence forms of training, 5B060600-"Chemistry" 5B072000-"Chemical technology of inorganic substances", 5B072100 -"Chemical technology of organic substances", 6M011200-Chemistry (scientific-pedagogical and profile direction, 1 g and 2 g.) in Kazakh and Russian languages.

The content of educational programmes formed in accordance with the requirements of State educational standards of higher and postgraduate education approved by the decree of the government of the Republic of Kazakhstan No. 1080 of 23 August 2012 includes the study cycle education, basic and profiling disciplines, practical training in relevant specialties

Educational programmes 5B011200 "Chemistry", 5B060600 "Chemistry", 5B072000 "Chemical technology of inorganic substances" 5B072100 "Chemical technology of organic substances", 6M011200 Chemistry have the following positive aspects:

- plans for the development of educational programmes agreed upon with representatives of all

stakeholders and approved at the Educational-methodical Council

- ensured compliance of the faculty with the qualification requirements, the level and specifics of the educational programme;
- created a learning environment that reflects the specificity of educational programmes, which includes: personalized online resources (and access outside of class time), including study materials and assignments, providing a test of the self-assessment of students 'knowledge through a remote access portal (website) of the University and others;
  - direction on the formation of practice-oriented training of students;
- cooperation with employers during the training process, a survey of employers to identify their opinions about the quality of educational services;
  - automation of knowledge control and accounting of educational achievements of students;
  - availability of free WI-FI

# (IV) The standards of specialised accreditation

# 4.1. Standard «Educational programme management»

The overall goal of educational programmes 5B011200 "Chemistry", 5B060600 "Chemistry", 5B072000 "Chemical technology of inorganic substances" 5B072100 "Chemical technology of organic substances", 6M011200 Chemistry - bachelors and masters with the necessary competencies and are able to implement them in their professional activities. The basis of the educational process are the provisions and requirements of the Bologna Declaration. The achievement of OP objectives correspond to the needs and demands of the labour market, as evidenced by the high percentage of employment of graduates and positive feedback from employers:

- the presence of formed basic competences of bachelors and masters, teaching methods, disciplines, skills, professional and interpersonal communications;
- the expression of personal and social competences (to apply knowledge of theoretical foundations and practical skills in the process of teaching, commitment to professional and personal development, communication skills, etc.).

To improve the quality of educational activities are updated annually and methodological support of educational process, adjusted the evaluation criteria of knowledge and trends in education of Kazakhstan, introduction of modern educational technologies, improved logistical and information base (equipment teaching and research laboratories).

Educational-methodical documentation EP is designed in accordance with SES, model programmes, working curricula in the Kazakh and Russian languages.

It should be noted that projections of needs of the region on the accredited EP in the area for the next 5 years is high, this explains the high employment of graduates: EP 5B011200-"Chemistry" 6M011200 Chemistry is 100 %.

The employment of graduates EP 5B072000 "CTIS" for the 2014-2015, 2015-2016, is 68 and 72%, respectively, of EP "CTOS" for the 2014-2015, 2015-2016, is 77 and 100% respectively, which demonstrates the importance of functioning specialised EP and are an indication that this direction of activity the University needs to continue to develop and strengthen.

Students have the opportunity to participate in scientific conferences, work with the Committee of youth Affairs, participate in various social and sporting events.

The individuality and uniqueness of accredited educational programmes is their orientation to the labour market of the region, through the availability of elective courses complement the core discipline at the request of employers in the region.

Individual development plans educational programmes due to the possibility of studying building individual educational trajectory by choosing courses to meet personal preferences and changing needs of the labour market. EP focus on the development of professional skills is

implemented through continuous monitoring of the quality of teaching of the updated courses and the compliance of learning outcomes with the requirements stated in Rupiah. Since the 2course, students take special courses and different types of practices, which form professional competence. Together with the special disciplines studied discipline in pedagogy, psychology, teaching methodology (specialization) and the social Sciences. This approach allows to obtain in the future the teacher-master of vocational training for some trajectories of learning, for example - chemistry and English. The objects of professional activity of graduates of technical EP are enterprises of the chemical and adjacent branches of industry, industrial research institutes, industrial laboratories, institutions of higher education. For example, graduates of technical specialties working in the engineering-technical positions of companies such as Karachaganak petroleum operating b.v. TengizChevroil, "ISI GIPS Inder" Western Kazakhstan engineering company, Foundry and mechanical plant, Testing laboratory of the Department of laboratoryanalytical control Department of ecology and others. With the aim of increasing the competitiveness such activities as the attraction of the faculty from neighboring countries are developed and implemented; analysis of the relevance and competitiveness of graduates; development of academic mobility; the extension of the academic environment around the University. In General, the observed consistency in the management of educational programmes, which is expressed in creating the necessary collegial bodies for monitoring the quality of the content

EP provided, syllabus, teaching materials, developed in accordance with the regulations in the Kazakh and Russian languages. The contents, syllabus and teaching materials meets modern requirements of training and the specifics of the EP, all the disciplines developed guidelines for assignments of IWS.

In graduate training in the specialty 6M011200 – Chemistry is conducted on scientific and pedagogical and profile directions (1, 2).

In EP according to GOSO provides pedagogical, educational, professional, undergraduate and other practices. The content describes practices with the requirements of the Law "On education" of the Republic of Kazakhstan and is determined by the requirements of SES RK.

The educational programmeme keeps logical sequence of courses disciplines. Individual development plan EP determined by what members of the Department, develops individual elective courses designed to develop the professional skills necessary for research and teaching. One of the strong points in the organization of research activity of the Department is to attract undergraduates to perform research on priority areas jointly with the faculty. Master's thesis Sarmalayeva Zh. "Development of a methodology for laboratory work testing of oil sludge", Patina I. "Physico-chemical fundamentals of processing and utilization of oil industry wastes" implemented within the grant project financed by the Committee of science of MES RK "Development of chemical and technological bases of processing and identifying options for future use of the oil fields of West Kazakhstan region" (contract for implementation of the research project No. 206 dated 04.02.2014).

Every year the graduate students of the Department have research internships in universities of near and far abroad (Bashkir state University, G.Chernyshevsky Saratov state University. Orenburg state University). Undergraduates are available in the academic mobility programme as at the expense of MES, and at the expense of the University and other sources.

A survey of faculty conducted in the course of the visit of the EEC NAAR showed that the reflection of the mission and strategy of the University in various aspects of activities of the University and organizational issues for the faculty estimates is really nice and good – 69,4%; 30,6%; on the problems the main emphasis of the faculty reflect a lack of classrooms of 8.2%, sometimes 36,7,9%, never -55,1% are partially satisfied with the attitude of the University leadership to him and the activities of the University administration, not satisfied with the food system, health and other services responded at 8.2%.

EEC NAAR conducting meetings, conversations and interviews with the rector, Vice-rectors, heads of departments, heads of departments, students, faculty members, representatives

of organizations of employers and graduates, as well as by surveys of faculty and students, a detailed acquaintance of experts with the educational infrastructure of the University, material-technical and methodological resources and the necessary documents notes the following.

# The strengths of EP are:

- the goals and objectives of the educational programme are developed and the competence model of a graduate is defined;
- internal system of education quality control according to quality management System (QMS), the system current, intermediate and final knowledge control, rating and expert supervision of professional level staff;
- the implementation of necessary measures to maintain academic integrity and academic freedom against students in accordance with the regulations on Academic integrity (minutes No. 1 dated 26.09.2016.
- availability of material technical base, test laboratory of ecology and biogeochemistry (accreditation certificate №KZ.And.09.1186 of 26 November, 2016 to 26.10.2021). The laboratory is registered in the registry of the State system of technical regulation of the Republic of Kazakhstan №KZ.7100000.06.09.00860, dated as of 29 December 2006) of the relevant qualification requirements for all specialties, being prepared at the University.

In order to further development and improvement of the implementation of the accredited educational programmes of EEC NAAR **recommends**:

- to intensify the work on implementation of results of research work of the faculty in the educational process;
- to include in the development plan EP issues on improving the material-technical base (modern equipment for physicochemical methods of study, expand the range of reagents for scientific research) and issues of long-term growth of personnel potential of the Department of chemistry;
- to intensify the work on introduction of the newest innovative teaching technologies at EP, for example, in the framework of multilingual education.

Standard "Educational programme" accredited educational programme has 15 strong, 11 satisfactory positions and 1 position suggests improvements

## 4.2. Standard "Development and approval of educational programmes"

Educational programmes are developed on the basis of SES RK and are consistent with the mission of the University and the needs of the labor market. A specialised Department implemented EP in specialties 5V011200 "Chemistry", 5B060600 "Chemistry", 5B072000 "Chemical technology of inorganic substances" 5B072100 "Chemical technology of organic substances", 6M011200 Chemistry in accordance with the Dublin descriptors, consistent with the European qualifications framework. The University implemented mainly competence-based and learner-centered approach.

EP reglamentary objectives, expected results, contents, conditions and technologies of realization of educational process, evaluation of quality of training of graduate with the specialization and includes a range of training and regulatory documentation. This complex includes: curricula, curriculum, working programmes of courses, the catalog of elective courses, programmes of training, production and teaching practices and methodological materials ensuring the implementation of appropriate educational credit technology.

Approval of the educational programme includes the following stages: development and discussion of educational programmes, implementation of the review of the educational

programmeme, the revision of the educational programmemes to take account of suggestions and comments made by employers and stakeholders, discussing the educational programme, recommendation for approval, approval procedure (Protocol №1 from 02.09.2016).

The most significant stages in terms of forming of professional competence are:

- requirements analysis and marketing research (definition of professional competences in accordance with the SES RK and the requirements of employers, which are further reflected in the MOS model of a graduate and the Passport of competences;
  - formation of the curriculum (reflecting competence model educational programmes. development EMC (methodological support formed competencies).

Students form an individual educational trajectory on the basis of the record on elective disciplines of specialty and participate in developing an individual educational plan. While students are guided by the catalog of elective disciplines.

The catalog of elective disciplines (CED) based on the logical sequence of studying of disciplines and consists of three main cycles: OOD, BD, PD. The components forming the personal development of students, their creativity and social competence are found mainly in the programmemes of the OOD cycle. Components for choosing the BD cycle (2,3 courses) in addition to the disciplines aimed at the development of the creative personality include the disciplines that form the professional skills of students. Elective subjects of the profile cycle take into account recent changes in the labour market reflect the interests of the employer, together with all kinds of practices with on-the-spot practices aimed at preparation for professional activities. The CED is developed by the faculty, considered at the faculty meeting, the academic Council of the Institute and of the Board of specialty with employers, approved by the decision of the academic Council of the University and agreed with the employer. CED is stored in the educational Department and on the University website.

The catalogues of elective subjects are updated annually, developed new elective courses at the request of employers and learners, adjusts the content of existing courses in the specialty. The preference for practice-oriented disciplines, for example, by industry 5B072000 "Chemical technology of inorganic substances" and 5B072100 "Chemical technology of organic substances": "Chemistry of water and methods of purification", "Electrochemical production", "basics of chemical safety", according to the specialty 5B011200-"Chemistry" introduced the disciplines: "Bases of research work", "Methods of chemical experiment in school", also included integrated course "New approaches in learning and teaching", which allows to prepare specialists owning modern pedagogical technologies (approval date for 2016-2017 academic year 23.01.2016, for 2017-2018 academic year 19.01.2017).

Each year the Department of chemistry in conjunction with ЦΟμΚΥΠ conduct the procedure of coordination and approval of educational paths chosen by the student (specialization) subject to the needs of the area, the wishes of the students and requirements of employers that are members of the Committee on WEP and CED. In particular, for teaching specialties: Turemuratova J. M. - head of the Department of education of West Kazakhstan region, Daribaev T. O. - the main methodologist of Department of education of West Kazakhstan region. For technical specialties - Khairullina, L. M. - Director of LLP "Rodnik", Nigmetova B. K. - head of testing laboratory of JSC "Zieglerville" and others. So for each specialty identified 3-5 specializations. For example, in the specialty 5B011200 "Chemistry": "Chemistry and geography", "Chemistry and biology", "Chemistry and Informatics, Chemistry and English"; on specialty 5B060600 "Chemistry": "Chemistry and computer science", "Chemistry at school", "Chemistry and English"; in specialties 5B072000 "Chemical technology of inorganic substances" and 5B072100 "Chemical technology of organic substances", "Chemistry and English", "Security of chemical plants", etc.

The University system is focused on the involvement of the quality assessment of educational programmes outside experts in the face of the hook, reviewers of diploma works, practice heads, interested employers in selecting the subjects of theses (minutes No. 1 dated 12.09.2016).

The Department of chemistry in the development of EP adheres to the objective of ensuring the continuity of its content takes into account the logic of the relationship of academic disciplines, their sequence and continuity. EP is developed separately according to the forms, levels and timing of training.

Development and implementation of individual educational trajectory (IET) students of accredited EP is due to the requirements of the model curriculum, the content of the catalog of elective disciplines and the academic calendar. Individual educational trajectory is reflected in individual learning plans where along with General education, the basic disciplines of the compulsory component includes practice and elective courses, which are aimed at ensuring professional competencies.

All the necessary information about the possibilities of formation of individual educational trajectory students receive from the adviser, to the office of the Registrar. Advice in the choice and implementation of individual educational trajectory of the student, drawing up the IEP and other academic matters is carried out through the Service advisors, the functions of which are regulated by the Regulation on the organization of work of advisors.

The needs of stakeholders and employers are studied through participation in SAC for the production of specialists. For example, on behalf of employers with the SAC members in the 2015-2016 academic year were: OP "5B011200-"Chemistry" 6M011200-Chemistry Director of SCS No. 3 Yushin L. Y.; OP 5B060600-"Chemistry" 5B072000-"Chemical technology of inorganic substances", 5B072100 -"Chemical technology of organic substances" head. lab terminal whitish JSC "Zhaik Munai" Dauletkalieva S. S.

For the 2014-2015 academic year, the programme of academic mobility of 8 students of specialties "CTOS" and "CTIS" passed a semester studying in such universities as the University of Otto von Guericke (Germany, Magdeburg), University of Nicolaus Copernicus (Poland, Torun), Kalmyk State University (Russia, Elista), Bashkir state pedagogical University. M. Akmulla, (Republic of Bashkortostan, Ufa). In the 2015-2016 academic year 8 students of specialties "CTOS" and "CTIS" passed a semester studying in such universities as the Bashkir state pedagogical University. M. Akmulla (Republic of Bashkortostan, Ufa), Togliatti state University (Russia, Togliatti), the Kazakh State Women's Pedagogical University. However, the incoming mobility of students 3 students from the Kalmyk State University (Russia, Elista), 2 students from State University Mississippi valley (USA).

# Academic mobility of students of the cluster "Chemistry"

N	Student's name		Specialty	Course	The country and university where the student was studying
20	014-2015 academic	ye	ar	1	
1	Shamshieva D.A		5B072000- Chemical technology of inorganic substances	2	Germany, Magdeburg University Otto von Guericke
2	Kubzhanova G.Zh .		5B072100- Chemical technology of organic substances	2	Poland, Torun University of Nikolai Copernicus
3	Medetov N.A.		5B072100- Chemical technology of organic substances	2	Russian Federation, Elista Kalmyk State University
4	Akmurzaeva Zh.S.		5B072100- Chemical technology of organic substances	2	Russian Federation, Elista

				Kalmyk State University
5	Zhaksymbetova B.B	5B072100- Chemical technology of organic substances	2	Russian Federation, Elista Kalmyk State University
6	Kenjebai A.M.	5B072100- Chemical technology of organic substances	2	Russian Federation, Elista Kalmyk State University
7	Esenova G.Zh.	5B072000- Chemical technology of inorganic substances	2	Bashkir State Pedagogical University. M. Akmulli, Republic of Bashkortostan, Ufa
8	Urazova A.Zh.	5B072000- Chemical technology of organic substances	2	Bashkir State Pedagogical University. M. Akmulli, Republic of Bashkortostan, Ufa
20	015-2016 academic	year		100
1	Orynbasar Ə	Academic mobility	3	Kazakh State Women's Pedagogical University of
2	Yun A.A.	5B072000- Chemical technology of organic substances	3	Bashkir State Pedagogical University. M. Akmulli, Republic of Bashkortostan, Ufa
3	Zhumasheva K.B.	5B072000- Chemical technology of organic substances	3	Bashkir State Pedagogical University. M. Akmulli, Republic of Bashkortostan, Ufa
4	Belousova K.G.	5B072000- Chemical technology of organic substances	2	Bashkir State Pedagogical University. M. Akmulli, Republic of Bashkortostan, Ufa
5	Anesova R.A.	5B072100- Chemical technology of organic substances	2	Toliatti State University, RF, Togliatti
6	Kanbekova G.A.	5В072100-Химическая технология органических веществ	2	Toliatti State University, RF, Togliatti
7	Kairzhan R.K.	5B072100- Chemical technology of organic substances	3	Toliatti State University, RF, Togliatti
8	Alniyazova Sh.U	5B072100- Chemical technology of organic substances	3	Toliatti State University, RF, Togliatti
9	Badzhaeva G.V	Baccalaureate 5B011200-Chemistry	3	Russian Federation, Republic of Kalmykia
1 0	Chitanov B. G	5B011200-Chemistry	3	Russian Federation, Republic of Kalmykiya
1 1	Mukuben Sanal Rodionovich	Baccalaureate 5B011200-Chemistry	3	Russian Federation, Republic of Kalmykia

1 2	Kevion Young	Baccalaureate	2	USA, State
				University
				The Mississippi Valley
1	Ashly	Baccalaureate	Individu	USA,
3	Watts		ally	State
				University
				The Mississippi Valley
20	016-2017 academic y	ar	-	
1	Koshan G.K	5B011200-Chemistry	3	Perm State National Research University
2	. Kulniyazova A.N.	5B011200-Chemistry	3	Perm State National Research University
3	Lavester Deonte White	5B072100-Chemical technology of organic substances		USA,
	, , inte		2	State
	((	A A	Box 1	University
			W	The Mississippi Valley
3	Əbibulla Zahar Əliasiaruly	5B011200-Chemistry	2	South-Kazakhstan State University named after M.Auezov

Technical specialties "CTOS", "CTIS" with the 2016-2017 academic year introduced dual training at the plant for the production of polyethylene pipes "KazConstructionGroup", which provides for the classes of SRSS with a specialist practitioner in the proceedings, on such subjects as: "Chemistry of high molecular compounds", "plastics and composite materials, Fundamentals of design and equipment of industrial enterprises (by industry)".

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

- the level of responsiveness to feedback from teachers about the educational process satisfies 84%; - satisfied with the level of quality of teaching -92%; - satisfied with the level of explanation students before entering the rules and strategy of EP -86,7%.

# The strengths of EP are:

- coordination and reviewing job training plans, recommendations and implementation elective courses employers;
  - involvement of employers in selection of topics of diploma projects and TSA.
- a wide range of elective courses EP disciplines reflecting the nature and needs of the region;
- work on development of social partnership University-employer in the direction of improving the educational programmes, the existence of base practices in the context of formation of professional competence in accordance with the requirements of employers.

In order to further development and improvement of the implementation of the accredited educational programmes of EEC NAAR **recommends**:

- to work on improving the content of educational programmemes with a similar EP leading foreign and Russian educational organizations;
- to ensure compliance of the contents of EP with the educational programmes of partner universities;
- to intensify the exchange of experience by universities implementing such educational programmes.
  - take comprehensive measures for the phased transition to trilingual training;
  - to increase the efficiency of interaction of alumni with the University.

Standard "Development and approval of the educational programme" accredited educational programme have 14 strong, 4 satisfactory positions and involves improving 3 positions.

# 4.3. A standard "student-centred learning, teaching and performance assessment"

Student-centred learning within the University is based on the principles and technologies of credit system of education and enhance the motivation, self-reflection and student involvement in the learning process. At the University all students are provided equal opportunities regardless of language of instruction. The student is an active participant in the educational process and the role of the teacher is transformed from the lecturer, the source of information to organizer of educational and scientific activity student, consultant, partner, etc. The main task of the teacher is to organize independent work of the student. The whole educational-methodical documentation is composed in two languages: EMCD, CED, curriculum and syllabus, and IEP, tests, exam notes shall be in the language of instruction.

The use of individual peculiarities of students was the fact that admission to the University during the orientation week conducted tests that determined the level of knowledge of students of a foreign language, Kazakh (Russian) language. According to the test results of the students are divided into subgroups for the study of foreign and Kazakh (Russian language).

To ensure the harmonious development of students by EP 5B011200 "Chemistry", 5B060600 "Chemistry", 5B072000 "Chemical technology of inorganic substances" 5B072100 "Chemical technology of organic substances", 6M011200 Chemistry with regard to their intellectual development and individual characteristics when implementing student-centred educational programmemes take into account the needs of students, which is reflected in the requirements as to teaching, and overall teaching.

For adaptation of students to the educational environment of the University is constantly guide for a freshman, which is available both on paper and in electronic form on the official website of the University and contains systematized information about the internal regulations, organizational and procedural rules of the educational process.

The educational programme also provided free access to international information networks, electronic databases, library collections, computer technology, educational-methodical and scientific literature.

After each examination session learning outcomes are discussed at department meetings and reports of the adviser. According to the results implement corrective actions and decisions. Criteria and methods of assessment of knowledge in specific subjects are set out by the leading teachers in curriculum and discipline are communicated to students placing in academic discipline cases of the automated information system of the University. Assessment of knowledge, skills and professional competences of students on credit technology of training is carried out on the rating-scale conversion of the final result alphanumeric equivalent. Scoring takes into account attendance, the level of activity in the lesson, systematic execution and the

level of independence of all kinds of tasks, the ability to formulate a problem, find answers. The results of student performance are reported by the advisors at faculty meetings twice a year (at the end of the summer examination session the minutes of the meeting of the Department №10 as of 15.06.2016 at the end of the winter examination session the minutes of the meeting of the Department №5 as of 10.01.2017) and discussed at out advisors hours. All student achievements are reflected in the transcript. Students who have fully complied with all the requirements of the curriculum and training programmes are allowed to the final state certification. Considering the individual characteristics, needs and cultural experience of students is carried out in various aspects of scientific and educational activities: when choosing elective courses; practice base; the topic of the thesis; the supervisor of the thesis; the participation of students in research work (research project). The Department conducts the necessary work to prepare students to carry out thesis projects (works): it is alleged subject of the graduation work, for which students can choose a topic according to their interests and job profile. Themes of diploma projects (works) are characterized by their actuality, correspond to the policy reforms are reviewed annually. The curriculum before the defense of graduation projects (works) students undergo internship, where they collect materials for writing the graduation projects (works).

Final certification of graduates of EP is carried out within the deadlines specified in the academic calendar and curricula of specialties in the form of passing the comprehensive exam and master thesis defense. Master's thesis and scientific supervisor of the fixed order of the rector of the University within two months after the enrollment of a student (order No. 7-44 as of 14.12.2016).

The most important element of feedback for students surveys are carried out centrally at the University level: "the Opinion of students and teachers about the effectiveness of the educational process M. Utemisov WKSU", "Monitoring social well-being of students of M. Utemisov WKSU, Status, ethnic relations, language practice and religion in the perception of students of M. Utemisov WKSU", etc. the frequency of surveys is 1 time per year. The latest opinion survey among the students was in November-December 2016, among the faculty in December / January 2016-2017 All survey results are analyzed by the Department of sociological studies.

Conformity assessment procedures level of knowledge of students planned learning outcomes and programme goals is provided by operation of a versatile evaluation system that includes different types of controls carried out both during learning and during examinations, passing all kinds of professional practices, the final state certification. All the necessary information about the assessment procedure, including holding interim certification in the form of an examination of the current control, GPA students reported the placement of information on the site, by issuing handbooks-guides, information stands of the faculties, out advisors hours. The results of current performance, assessment system, examination results, students (if necessary and his parents) are shown on the educational portal of the University.

A new form of interaction of the teaching staff of the University with individual approach to students of 1 course mentoring, supervision is embedded. A schedule of individual consultations of the faculty. Along with this, with the aim of improving the qualifications of young specialists of the Department, enshrined with a degree of experienced teachers, such as DSC, Professor Mendalieva D. K., Ph. D., associate Professor Cherevatova N. To., Ph. D., associate professor Kunasheva Z. H. (approval date 06.09.2016).

Special attention from advisors and faculty of the Department is given to carrying out educational activities with students. Planning of educational work at the Department stems from the development programmeme of the University. In terms of educational work have been well documented problems of educational work with students, which are implemented in the Department. Faculty and staff in the chemistry Department successfully combine teaching and research activities with cultural activities. Staff of the Department, will build up students 'civil position, patriotism.

Among students in EP cluster "Chemistry" is contingent, in need of inclusive education. The educational process relies on the methods and technology oriented to people with disabilities, and students with disabilities. For example, a student EP 5B060600 "Chemistry", 2016 release Eroshev Oralbek with cerebral palsy, was a team member of the Republican subject Olympiad, held in KazNU.al-Farabi (Almaty) and took the overall 2nd place team (the certificate from 29 March 2014). This became possible due to the fact that the teachers of the Department of chemistry during the classes created additional conditions for improving the level of competence the field of study.

Work is focusing on growth in the number of students participating in socio-political, cultural-mass and sports activities of the University. Advisors organise meetings for first-year students with the leading teachers of the Department to familiarize with the prospects and new trends of the specialty "Chemistry", "CTOS" and "CTIS". As well as conducting individual work with lagging students, to discuss current progress and attendance during the curatorial hours.

# The strengths of EP are:

- the introduction of student-centred learning in the od profession, ensuring equal opportunities to students, including regardless of language of instruction on the formation of individual educational programme aimed at formation of professional competence;
- the development of students educational programmes in accordance with regulatory requirements;
- the possibility of participation of students in research projects of the Department;
- availability of monitoring of satisfaction of students with passing different types of practices. In order to further development and improvement of the implementation of the accredited educational programmes of EEC NAAR **recommends**:
- to intensify the work of external and internal academic mobility for students and faculty for educational programmes;
- to expand the use in educational process of active and innovative technologies (chemical editors, electronic databases on chemical reagents and reactions);
- to improve the conditions for inclusive education (availability of ramps, etc.).

The Standard of "Student-Centred Learning, teaching and performance assessment" accredited educational programme have 6 strong, 5 satisfactory and 1 position - the position involves the improvement.

# 4.4. Standard« Trainees»

The policy of formation of the contingent of students includes vocational work during the year, direct work of admissions of the University in summer, you control the movement of groups in the process of training and graduation. Policy, force generation is regulated by "Regulations on the formation of the contingent of students" approved by the academic WKSU Council in September 2016, and includes the planning of training; enrolment of students; the movement of population; expulsion of students; providing academic leave; monitoring and analysis. Applicants in accordance with the results of UNT and CT on a competitive basis have the opportunity to become owners of the state grant.

Data on the contingent of the Department of chemistry for 2016-2017

	2 011 till 0011011180111 01 till 2 opu		J -00-0	
Course	The name of the specialty and code	Grant	Paid	The number
				of students
				on the course

	Ful	ll time		
	5D011200 Chamistan	12	12	
1	5B011200- Chemistry	9	8	44
	5B072100-CTOS	2	1	
	5B011200- Chemistry	11	5	
	5B060600- Chemistry	-	5	
2 5B072000-CTIS 5B072100- CTOS	5B072000-CTIS	20	-	58
		6	2	30
	2	4		
	-	3		
	5B011200- Chemistry	16	8	
3		-	5	
	5B072000- CTIS	5	15	53
	5B072100- CTOS	4	-	
	5B011200- Chemistry	10	15	
4	5B072000- CTIS	11	-	46
	5B072100- CTOS	-	10	
	Par	rt time		
	5B011200- Chemistry	-	9	13
	3B011200- Chemistry	-	4	13
	I	MA		
		2	3	
	6M011200-Chemistry	4	4	13
			To	otal 253

Students at EP are actively involved in research projects funded by the MES. This is evidenced by the themes of the diploma works and master dissertations. For example, the thesis Soloway A., A. Murzabekova, Tlepbergenova A., Aisagaliev E., K. Islamova and master's thesis Seifullina B. S., Shemaleboy J. A., Misanovic I. V., Soloway A. J., Utepkaliyev G. I. the results of the research works have been published in various journals and proceedings of international conferences. Among them: the Bulletin of KazNU Bulletin wksu, Chemical journal of Kazakhstan, proceedings of the National Academy of Sciences of Kazakhstan and many others. For example:

- 1.D.To.Mendalieva, Kunasheva Z. H., Yakupova D. B., Sarmalaeva. Determination of the chemical composition and properties of oil sludge tank-type deposits in the West-Kazakhstansky region // "Chemical journal of Kazakhstan", Almaty, 2013.
- 2.Mendalieva D. K., Kunasheva Z. H., Yakupova D. B., Pyatina, I. V., Differential thermal analysis reservoir oil sludge to determine its optimal method of processing // Vestnik KazNU, Almaty, 2013.
- 3.Mendalieva D. K., Kunasheva Z. H., Lisanova I. V. The influence of the qualitative and quantitative composition of the reservoir oil sludge on the methods of processing // Izvestiya National Academy of Sciences of Kazakhstan, Almaty, 2014. No. 2. pp. 45-51.
- 4.Mendalieva D. K., Kunasheva Z. H., Utepkalieva G. I. Electroanalytical properties of molybdenum electrode and thermodynamic characteristics of electrode processes on the interphase boundary. The Bulletin Of KazNU. A series of chemical. №4(72), 2015. pp. 99-102.

Condition of SRWS EP of cluster Chemistry can be assessed by analyzing the presence of students, winners of Olympiads, competitions, have published, etc. every year students EP 5B011200 - "Chemistry", "5B060600-Chemistry" by participating in national Olympiads in chemistry among students of higher educational institutions of the Republic of Kazakhstan confirmed its leading position and won prizes, both in team and individual competition.

Information on participation in the Republican subject Olympiad in chemistry

City UNIVERSITY	The results of the Olympiad	term	Name and code of specialty	Team list
Almaty, Kazakh women's pedagogical University	1st place in the individual competition	20-27 april 2014	5B011200 Chemistry	Yesengalieva L. Maxutova A. Murzabekov A
Almaty KazNU. Al-Farabi	2nd place team, 2nd place in individual competition	25-26 march 2014	5B060600 Chemistry	Serikuly N. Alibiuly T. Eroshev O.
Taldykorgan, Zhetysu state University Zhansugurov	2nd place	7-8 april 2016	5B011200 Chemistry	Gaisa A Sagidzhan A Naukeeva S
Almaty  KazNU. Al-Farabi	2d place in the individual competition	30-31 march 2017	5B072100 CTOS	Konyspai R. Serikkyzy N. Utepkaliyev D.

1 year master's of specialty 6M011200-Chemistry Talapova Riza April 14, 2016 took part in the XI International Scientific and Practical Conference "White Wife Bilim-2016" (Astana, ENU named after LN Gumilev), took the II prize-winning place. The third-year student of the specialty 5B072000- Esenova Gulmira took part in the seminar-training "Әлемді өзгертетін идеялар", held on February 2-3, 2016 іп Азтапа (Қазақстан Республикасының тұңғыш президенті - елбасының кітапханасы), on the topic " Елбасының бес институционалдық реформасы".

WKSU created the necessary conditions for creative development and participation of students in scientific research. Forms of organization of the SRWS are: student participation in conferences, seminars, round tables, competitions, student scientific societies, scientific groups, publications in scientific journals and collections of reports, materials and theses of conferences, etc. One of the strong points in the organization of research activity of the University is to encourage undergraduates to perform research in priority areas in conjunction with the faculty. In particular, the master thesis Seifullina B. S. "Physico-chemical characteristics of electrochemical reactions at the interface of the tungsten electrode-solution", Nurmukasheva A. "Properties of titanium electrode in buffer systems with different salt solutions", Bazarova D. "Electroanalytical and thermodynamic parameters of molybdenum electrode in buffer systems with different ions", Imageway V. "Physico-chemical characteristics of the tungsten electrode in buffer systems with different ions" is part of a research project on the topic: "Investigation of electrochemical reactions on the d-elements (titanium, molybdenum, tungsten), development on their basis of indicator electrodes and their use in ecological and analytical control", funded by Committee of science of MES RK.

In the framework of the projects carried out in the Department students/undergraduates involved in sampling, sample preparation, laboratory testing, primary processing and analysis of statistical material, etc. With the purpose to organize and conduct scientific-research works of

students, graduate students and performing research projects created the Scientific center of chemical research and technology. The scientific center of chemical research and technology, which was created by order of the rector of the West Kazakhstan state University. M. Utemisov No. 013-539 of 23 October 2012, which includes certified laboratory of physicochemical methods of research.

# Trainees publishing in rating publications

Authors	Titles
Talapova R.T.	«Химия пәнінен «ерітінділер» тақырыбы бойынша есептер
	түрлері мен оларды шығару әдістемелері» «Ғылым
	қызметкерлері күні аясында өткізілген студенттер мен жас
	ғалымдардың «Ғылым және білім-2016» атты XI халықаралық
	ғылым конференциясының матер, Астана қ. 2016 ж. 14-сәуір
1000	күні 144-149 бет.
Talapova R.T.	«Проблемалық оқыту мен зерттеу әдістерін химиялық есептер
A STATE OF	шығару арқылы жүзеге асыру» «Заманауи білім беру ресурстары
	мен білім беру жүйесінің тиімділігі» ғылыми-практикалық
All ST	конференция материалы, Астана қ. 28-30 маусым 2016 ж. 426-
	431 бет.
Niyazbekova A.B.	«Researching complexation of cyclophosphate – metal systems by
AimursinaN.H.	physi8c-chemical methods»- Вестник Карагандинского
Narimanova A.E	университета (КарГУ им.Е.А.Букетова) Серия «Химия».
	№6(78) – 2016.
Kuzmina R.I.,	Development of the composition concrete mixture with the use of
KunashevaZ.H,	drill cuttings // Proc.articles. Ways of improving the quality of
Yakupova Zh.B	roads. Samara 2015pp 151-155.
KunashevaZ.H,	The influence of the qualitative and quantitative composition of
Yakupova Zh.B	reservoir sludge on the methods of processing// proceedings of the
Mizanova	National Academy of Sciences of the Republic of Kazakhstan.
	Series of Chemistry and technology. No. 2. pp 45-51 Almaty, 2014

The University takes measures for the social protection of students from among childrenorphans and children left without parental care. Thus, in 2015, the University provided social support:

№	Items	2016
1.	Students from among orphans and children left	3 students of 5B072100 «CTOS»,
	without parental care, received a cash payment for	EP 5B011200 «Chemistry»
	the purchase of clothing and footwear	- 1 student
2.	Students from poor families, from among orphans and children left without parental care and disabled students, received awards and financial aid	EP 5B011200 «Chemistry» - 1 student 5B072100 «CTOS»- 3 students,
3.	Students from among orphans and children left without parental care received cash assistance for food	EP 5B011200 «Chemistry» - 2 students

# The strengths of EP are:

- the policy of forming the contingent of EP from admission to graduating, and the transparency of its procedures;

- active professional orientation work with students, the holding of regional competition "the 5th element";
- active participation of students in Republican Olympiads and conferences;
- a mechanism for the support of gifted students and promising undergraduates;
- the availability of free learning language courses for students.

In order to further development and improvement of the implementation of the accredited educational programmes of EEC NAAR **recommends**:

- greater involvement of students in research work;
- to intensify the work on attraction of students to participation in DAAD programmes, Erasmo-Mundus, Tempus;
- it is necessary to provide opportunities for professional certification of students in the learning process at the University.

According to Standard "Trained" accredited educational programme has 9 strong, 5 satisfactory positions and 2 - position suggests improvement.

# 4.5. Standard «The faculty»

The role of the faculty is Central to ensuring the quality of educational programmes. Management and development of faculty, ensuring their professional competence, compliance with the requirements of EP is one of the most important tasks of any educational programme. The competence of teachers can be possible when you create objective and transparent processes of formation of the state, its development and career growth. Special attention is paid to the professional development of teachers in the University environment because the academic environment is highly professional and highly competitive.

An important factor is the availability of information about existing and operating on the programme/University procedures, regulations, internal regulations and the principles/values governing the management of resources (the faculty) - unaware of their responsibilities, faculty are unlikely to provide a quality education.

Personnel policy of the University has an objective and transparent human resources policy, including recruitment, professional growth and development of staff to ensure professional competence of all staff.

An important factor in ensuring the quality of the educational programme from the point of view of personnel (the faculty) is to involve teaching and related activities, such as research activities, experts and practitioners working in existing facilities outside the teaching environment, political, social, well-deserved figures, famous scientists, and local and foreign teachers and professionals, including in the framework of academic mobility. Programme guide actively supports its own young staff from among the faculty and graduate students. A special feature of the Department of chemistry in the formation of the faculty in the scientific school under the guidance of professor D. K. Mendalieva

Staff of the Department continually provides scientific and methodological assistance to teachers of schools of the city and region, students of secondary schools. Actively participate in preparation and holding of Olympiads in chemistry at all levels; reviewing scientific and scientific-methodical works (projects) of school teachers in the region. In particular, the Department of chemistry cooperates closely with the Center of additional education "Daryn" on carrying out of regional competitions "the Fifth element". On the basis of the chemical laboratory of the faculty research tour with participation of employees of the Department of chemistry. For example, on the basis of a letter as of 17.01.2017 No. 1-23/90 in the period from 27.02 to 02.03.2017, a regional competition "the Fifth element" was held, where Professor

Mendalieva D. K was appointed as a member of the jury, and teachers Kubasheva R.N., Lisanova I. V., Seifullina B. S., and others participated in conducting and evaluation the work of the Commission. This year over 60 students of schools of the city and region took part in this competition.

Currently, the total number of teachers of the Department of chemistry is 12, including 2 part-time. Full-time teachers - 10, including 1 Professor, 4 associate professors, 3 senior lecturers. With degrees 1 doctor of Sciences, 4 candidates of science, 6 masters of Sciences. The number of teaching staff with scientific degrees and ranks is 5, the average age is 45. Along with this, the lecturer of the Department of chemistry Akatev N. V. is studying at the postgraduate Institute of Organoelement compounds. of the A. N. Nesmeyanov Russian Academy of Sciences (G. Moscow, Russia) on a budgetary basis for the basic professional educational programme of training personnel of higher qualification in the field of training 04.06.01 - Chemical Sciences (order No. 379a, as of 17.10.2016)

	2014-2015	2015-2016	2016-2017
Number of the faculty who improved qualification, including:	3	3	19
From out of budget of the university	-	- 1	10
On the basis AO "НЦПК "Өрлеу" РИПКСО	-	-	2
On the basis ЦНО M.Utemisov WKSU(free for the faculty WKSU)	3	2	7
On the basis of the center of pedagogical excellence "Nazarbayev intellectual schools"	<i>g</i>	Na P	1

On the basis of JSC "CRK "Orleu" refresher course on "Educational programme courses of improvement of qualification of teachers of pedagogical specialties of higher educational institutions "Modern pedagogical technologies"," held Sdikova G. Zh., B. s Seifullin in the amount of 240 hours. Extra-budgetary funds of the University on the basis of MES of RK in the Karaganda state University.E. .Buketov was held the training course "Intensive training of teachers of chemistry of the universities of the English language," in accordance with the training programme faculty, enhanced training of pedagogical staff, the teaching staff of the universities and based on the experience base of universities and the development of entrepreneurial skills, including in online mode. At the end of this course the level of English A2 (Pre-Intermediate)was defined and certificates to teachers and staff of the Department of chemistry: Sdikova G. Zh., Seifullina B. S., Mukasheva M. M., Misanova I. V., Khairullina M. S., Aituarova Z. N., Ahmetgalievoy S. A were issued. Also on the programme of additional professional education at the Center of pedagogical skill of AOO "Nazarbayev Intellectual Schools" passed the training level programmes of in-service teacher training phase III senior lecturer of the Department of chemistry Kubasheva R.N.

The Department has publications, recommended by NMC:

1.Ниязбекова А.Б., Утебалиева Е.Б. Химиялық экология. Әл-Фараби атындағы Қазақ ұлттық университеті жанындағы ҚР БжҒМ жоғары және жоғары білім беруден кейінгі Республикалық оқу-әдістемелік Кеңесінің гуманитарлық және жаратылыстану мамандықтары бойынша оқу-әдістемелік секциясы мәжілісінде хаттама №2, 08.06.12 ж. бекітілген.

1. Ниязбекова А.Б. Химия пәнінен сарамандық жұмыстар. Учебно-методическое пособие. Орал, 2012. Абай атындағы ҚазҰПУ жанындағы «Білім тобындағы мамандықтар бойынша оқу-әдістемелік кеңесінде бекітілген. № 18 хаттама, 15.05.2012 ж.

2. Niyazbekova A. B. Ecological expertise and regulation. 2nd enlarged edition. Textbook for high schools. Oral-2012. Textbook recommended by the Republican educational-methodical section on specialties of "Education" №15 dated as of 10.06.2011

The results of scientific researches of teachers are reflected in scientific articles, published

journals, presentations at scientific conferences of different levels.

The total number of scientific articles in 3 years

No	TITLE	2014-2015	2015-2016	2016-2017
		acad.year		
1	In journals recommended by Committee for control in education sphere and science MES RK	-10	13	18
2	In foreign scientific journals and conference collections	5	1	3
3	In journals with non-zero impact factor included into the Kazakhstan citation base, the base РИНЦ	-	11-14	-
4	In journals with high impact factor included in the international database Thomson Reuters, Scopus	1	1	-
	TOTAL	16	15	22

#### Funded research work on the accredited EP

Grant and contractual projects	Projects funded from
	University funds
1. Grant project "Development of chemical and technological bases of processing	mplementation of
and determination of options for further utilization of oil sludge deposits in West	multilingual education
Kazakhstan region" (nauch.hands. Ph. D., Professor D. K. Mendalieva). The science	of students of chemical
Committee of the Ministry of education and science of the Republic of Kazakhstan.	specialties (scientific
The amount of funding - 4800,0 thousand tenge. Foreign partner - Saratov national	superviser – Ph. D.
research state University. N. G. Chernyshevsky (Saratov, Russia).	Stikova G. J.)
2. Grant project "Study of electrochemical reactions on the d-elements (titanium,	2016-365 thousand
molybdenum, tungsten), development on their basis of indicator electrodes and their	tenge,
use in ecological and analytical control" (nauch.hands. Ph. D., Professor D. K.	2017 - 365 thousand
Mendalieva). The science Committee of the Ministry of education and science of	tenge
the Republic of Kazakhstan. Amount of financing: 1 831,8 thousand tenge. Foreign	//////
partner - Moscow state technical University of Radioengineering, electronics and	
automation (Moscow, Russia).	1000
3. The provision of services on conducting of scientific research in the field of	ALC: Y
alternative development methods of disposal of "carbonate" drill cuttings drilling	
mud oil-based Scientific. Rukov doctor of chemical Sciences, Professor D. K.	The second second
Mendalieva. Karachaganak petroleum operating B. V. Amount of funding - 1200,0	
thousand tenge	

To assess the professional level of the teaching staff, identify problems related to the implementation of the educational process and identify areas of training of faculty, improvement of methodological support of educational process in the University set up an expert Commission headed by the expert of the Department of chemistry, candidate of chemical Sciences, Professor of wksu Cherevatova N. To. The Commission carried out in three areas: firstly, assessment of professional level of staff experts; second, the evaluation of teachers by the students the survey "a Teacher by eyes of students", which allows to implement the principle of feedback (the electronic version of the questionnaire "The Teacher by eyes of students"); third, evaluation of professional level of staff colleagues in the Department, for this purpose was developed and adopted the questionnaire "Teacher in the eyes of colleagues" that allows for a close relationship of the expert Committee and results of attendances.

At the Department operates a system of inside control. For determining the level of competence of teaching in the departments of reciprocal and monitoring visits to classes, conducted open lessons. Attendance is carried out according to the established schedule, and recorded in the log. The results of attendance are discussed at faculty meetings, the number of attendances was as follows: in the 2014-2015 academic year - 24, in 2015-2016 academic year - 30, in 2016-2017 academic year - 24. To ensure effective recruiting scientific-pedagogical personnel the University offers a housing service, differentiated pay.

To improve the teaching and learning of chemistry in English at the bachelor and graduate programmes the University has engaged foreign teachers. For example, was a visiting Professor Jeong-Hyun Lee from SUNGKONGHOE University in South Korea (Busan) for the course new information technologies for the students of specialty 6M011200-Chemistry. At the end of the course the students received a certificate of the international sample. Within the framework of cooperation with universities of near and far abroad, the

Department has agreements on cooperation:

Federal state Autonomous educational institution of higher education "V. I. Vernadsky Crimean Federal University "13-15/5-617 29 Oct 2015.

- 1. Federal state budgetary educational institution of higher professional education "Omsk state pedagogical University" January 15, 2016.
  - 2. Otto von Guericke University Magdeburg 30.05.2012 -03.07.2012.
- 3. Federal state budgetary educational institution of higher professional education "Saratov state University. N. G.Chernishevskogo" 10.03.2015
- 4. Will VGASU VPO "Kazan (Volga region) Federal University" 0.1.1.55-11/19/201 27 August 2011.
- 5. A Memorandum of understanding between the University. Nicolaus Copernicus faculty of chemistry (Poland, Torun). from. 09.12.2015
  - 6. Mississipi Valley State University 07.02.2014-14.07.2014
  - 7. Adam Mickiewicz University. Poznan. Poland represented 10.01.2014.
  - 8. The Sofia University.SV.KL.Ohrid (Bulgaria) on 29 November 2011.

Also joint work was conducted with the teachers of the Universities of the Russian Federation. For example, in the period from 01.10.13 - 30.06.14,doctor of chemical Sciences, Professor of Saratov state University named after N. G.Chernyshevsky Kuzmina R. I. was invited. Scope of her activities was to lecture on the subjects of "Chemistry of oil and gas", "Theoretical bases of technology of organic substances", "Chemistry and physics of organic substances" for students of specialty "Chemical technology of inorganic substances" "Chemical technology of organic substances". Along with this, it conducted a series of workshops undergraduates 6M011200 Chemistry on the discipline "Scientific and methodical bases of teaching of organic chemistry and macromolecular compounds". In addition, the University was a partner in the grant project on "Development of chemical and technological bases of processing and determination of options for further utilization of oil sludge deposits in West Kazakhstan region," funded by Committee of science of MES RK.

For the period 2016-2017 school year from 4 to 22 February, with the aim of improving the qualifications of teachers in the methodological and didactic organization of lectures and seminars were invited senior expert, Professor of didactics of chemistry Hans-Dieter Barke from Germany on the draft SES. The Senior Experts service (SES) - Foundation of German industry for international cooperation - is the leading public organization in Germany, which brings together retired professionals and executives, to provide Advisory services on a voluntary basis. Experts SES not only help small and medium businesses in all sectors, but also public and municipal organizations, chambers and educational institutions. In the framework of this project scheduled lectures for students and undergraduates of the cluster "Chemistry" and organization of seminars for training of teachers in the Department.

Also leading experts from industry read lectures. So, in the 2014-2015 academic year by the chemistry Department on behalf of employers as a part-time basis Zaitseva I. N. engineer of the

Ural College of gas, oil and industrial technologies, teacher of the first qualifying category special oil and gas disciplines was invited. Zaitseva I. N. was trained at courses of improvement of qualification of pedagogical workers of technical and vocational education on the topic of: "Modular dual technology of development of professional education in Kazakhstan at the present stage" 72 hours at institution "Professional Academy "Turan PROFI"" MES.

# The strengths of EP are:

appropriate level of qualification of the teaching staff with licensing requirements;

- the presence practice of the involvement of employers in training;
- the presence of the expert Commission for the purpose of improvement of methodological support of educational process at the University;
- the creation of the scientific school under the guidance of Professor of the Department Mendalieva D. K.

In order to further development and improvement of the implementation of the accredited educational programmes of EEC NAAR **recommends:** 

- to intensify the work of external and internal academic mobility of academic staff in educational programmes;
- to promote publication of research results in the cited scientific publications;
- to intensify the work on implementation of results of research work of the faculty in the educational process;
- to provide funding opportunities for the organization of training courses in foreign universities;
- to intensify the work of the staff of the Department and publication of educational and methodical literature in Kazakh and English languages, under the same Rums
- experienced production workers for practical training in core disciplines among the staff of the Department.

\_

# Standard "The faculty" accredited educational programme have 4 strong, 12 satisfactory positions and 2 positions suggest improvements.

## 4.6 Standard "Educational resources and student support system"

When implementing the educational activities of M.Utemisov WKSU is guided by regulatory documents governing mandatory regulatory requirements to material-technical and educational-laboratory base of educational institutions.

On natural-geographical department there is testing laboratory of ecology and biogeochemistry (accreditation certificate №KZ.And.09.1186 of 26 November, 2016 - to 26.10.2021), where students conduct research work. The laboratory is registered in the registry Republic State system of technical regulation of of Kazakhstan the №KZ.7100000.06.09.00860, dated 29 December 2006. The laboratory is equipped with necessary modern equipment. The norm of space per student (laboratory for natural Sciences -2,4 sq. m.; laboratory of theoretical - 4,0 sq. m. according to SNIP "public buildings and constructions") are maintained when conducting studies in accordance with the schedule and subject to shift classes. Requirements for placement, size, and condition of the premises comply with sanitary norms and rules GOSO RK. For the training of students in cluster chemistry there are the following teaching laboratories: Laboratory of inorganic chemistry - 39,4 m2; Laboratory of chemical ecology - 40,4 m2; Laboratory of biological chemistry and 18.2 m2; Laboratory of analytical and physical chemistry of 73.2 m2; Laboratory of organic chemistry and synthesis with 70.7 m<sup>2</sup>; Laboratory of chemical technology - 70.4 m<sup>2</sup>.

The University developed a number of computer and interactive technology - more than a thousand computers United in a local network of the cluster "Chemistry" - 2 computer classes

(25 computers), access to the Internet at a speed of 85 Mbps., 2 interactive whiteboards, 2 projector, 10 printers and other computer equipment, provided with free Wi-Fi access in all academic buildings of the University in designated areas. Dynamics of development of material and technical resources is positive. The evaluation of the degree of wear of buildings, the results of the inventory, obsolescence of technology, etc., measures are taken to maintain the resources of the University, at the level of requirements to educational institutions. Annually at Department meetings, educational Council of the faculty, the academic Council, rectorate heard questions on the educational activities of the necessary resources.

With the aim of creating a common electronic library signed a license agreement between JSC "NCSTI" and with Thomson Reuters (Web of Knowledge), Springer, Elsevier, which enables electronic access to the data resources. The agreement on cooperation in the project "Electronic state library Fund "Kazakhstan national electronic library" allows to use the total Fund EGBF in the service of readers. The students and teachers have the opportunity to use periodicals electronic databases PQOT, RFBR (Russian Foundation for basic research) www.rfbr.ru the nal (national Academic Library of RK) www.kazneb.kz a Single digital library elibrary.kz etc. The Fund of literature on electronic and magnetic media is 5757 copies. For users wksu on open op-line access to foreign full-text multidisciplinary databases: "Web of knowledge", "Journal Citation Reports", "EndNote Web", "Web of Science and Researcher ID", "Elsever", and from 2015 to databases Academic Search Complete and Business Source Complete, EBSCO, Taylor & Francis, IPR books and Willey online Library, online editions mirknig.com, takebooks.com, universebook.ru, aldebaran.ru, kazneb.kz, elibrary.kz, kazrena.kz, kazneb.kz.The scientific library of M. Utemisov WKSU participates in the formation of a national library collection of electronic documents of the RK, as part of the Electronic government of RK. Signed an Agreement on cooperation in the project "Electronic state library Fund "Kazakhstan national electronic library" (EGBF - KAZNEB) gives the possibility to use cumulative Fund EGBF in the service of readers. For the operational collection and exchange of information with domestic and foreign universities, libraries a signed agreement with the Republican interuniversity electronic library, Electronic library JSC NCSTI and the Kazakh national electronic library (Kaznel), GU "library of the First President of the Republic of Kazakhstan - Leader of Nation". Specialty Department provided literature in Kazakh, Russian and English languages.

Code	Name of discipline	Number of textbooks, educational-methodological and scientific litrerature						
	uno apamo	In Kazakh.	In Russian	In English				
5B060600	Химия	2420	2050	115				
5B072000	CTIS	4185	2530	130				
5B072100	CTOS	6260	910	135				
5B011200	Chemistry	14530	1925	110				
6M011200	Chemistry	9433	9542	115				

Security teaching literature in print and on memory devices in the context of specialties

$N_{\overline{0}}$	Code	Name of	Total number	Total	Among	Number of	%
		discipline	of disciplines	number of	them	disciplines	
			according to	literature in	textbooks	which have	
			the	memory	on	published	
			educational	devices	memory	issues	
			plan		devices		
1	5B011200	Chemistry	53	125	17	7	42
2	5B060600	Chemistry	50	110	15	6	40
3	5B072000	CTIS	47	95	12	5	42
4	5B072100	CTOS	47	96	17	7	42

In order to comply with hygiene standards annually maintenance of classrooms, laboratories, dormitories. So in 2015 the cost of repairs amounted to 23120,2 thousand tenge.

The speed of information transfer inside the corporate network is 100 Mbit/sec (7 educational buildings and 3 hostels), in the server segment, and on campus roads 1000 Mbit/sec. The Internet connectivity is through a wireless connection WIMax, at speed of 52 mbit/s with unlimited traffic.

In educational buildings and hostels of the University have established Wi-Fi zones, providing access to the corporate network and the Internet. The area of wireless Internet network covers 75% of the entire University.

The development plan provides for 100 % coverage of all areas of the University in 2017.

A survey of students conducted during the visit of the WEC NAAR showed that satisfaction:

- availability of library resources 81,3%;
- the availability and access to learning materials in the learning process -85.3%;
- the availability and access to computer classes and Internet resources 76%.
- an effective system of collection, analysis and information management;
- match the management information system of the University mission, goals and objectives;- a good level of satisfaction of students with quality of educational process;
- availability of items automation of information management.

In order to further development and improvement of the implementation of the accredited educational programmes of EEC NAAR **recommends:** 

- to increase the provision of books and educational literature in Kazakh and English languages on the accredited EP;
- to intensify the work of the Department to attract sponsors from the production to strengthen the material-technical base of accredited EP.

Standard "Educational resources and student support system" accredited educational programme has 9 strong, 10 satisfactory positions.

## 4.7. Standard "Information Management"

System for the collection, analysis and information management in wksu is an integral part of the planning system, quality system, financial activities, process approach, management of individual educational programmes.

Implementation of mission, strategies, goals and objectives of the University are reflected in the planning activities of the University and its divisions, which is key to their implementation. Current plans wksu given in the planning Matrix, for example: plan work of the University; the work plan of the Academic Council; the plan of educational work of the University; the plan of research work of the University; the work plan of the centre for academic Affairs and the Bologna process, etc. Only the Matrix contains up to seventy names of types of

planning, it also provides guidance on the grounds which are the basis of planning, deadlines and actions, form of completion and approval. The performance of the planned activities is assessed by the University on the basis of reporting units. Whole range of reports of University-wide Accountability.

Essential to the effectiveness of planning processes and University management supports the information and its analysis, and in particular the study of changes in the internal and external environment, which are produced by analyzing the market of educational services, the survey of employers, alumni, analysis of statistical data, etc., and as mentioned above, through annual opinion surveys: "the Opinion of students and teachers about the effectiveness of the educational process of M. Utemisov WKSU", "Monitoring social well-being of students of M. Utemisov WKSU ", "Monitoring social well-being of faculty and staff, M. Utemisov WKSU Status, ethnic relations, language practice and religion in the perception of students of M. Utemisov WKSU ", "Educational aspirations and preferences of graduates of secondary schools of Uralsk", etc. Widely used the results of the collection and analysis of information of the University on the results of the recruitment, academic performance, contingent movement, the number of graduates, financial resources, personnel, number of publications, trips, agreements with foreign universities, etc., which are presented in the regular reports of the relevant services of the rectorate and scientific Council, at the request of the MES, etc. the University provides an annual review of the content of educational plans and programmemes, taking into account the interests of employers, taking into consideration the experience of leading foreign and Kazakhstan universities.

The University system of electronic document circulation on the basis of different software products, or other functional purpose are used. The University has the Internet WEB-portal (http://wksu.kz/), which opened access to the unified information educational environment of the University, including both internal and external electronic resources. The University developed and operates the following software products which are copyright certificates:

- -software complex "scheduling of training sessions.";
- -software complex "System test control";
- programme of the survey "a Teacher by eyes of students";
- automated system "anti-Plagiarism";
- automated information system "Makhambet".

Accounting software product uses "1-C accounting". Implemented a new technology of submission of the tax reporting system of processing tax reports (SONO). On the Web portal of public procurement of the Republic of Kazakhstan the University carries out government procurement.

-Management through processes is carried out through a planning matrix, process map "QMS 07.03 planning of the educational process", "of the QMS.07.05 Planning and carrying out research work." The effectiveness of the programme evaluated the results of the indicator for evaluating research, teaching, and educational and social work faculty for the academic year. The above indicator is considered on the Academic Council and approved by the Chairman. For the academic year is a planning matrix WKSU activities of the QMS.05.01.01. Plans, in turn, contain information about the deadlines; responsible for the execution; the planned result; the position of the person approving the document. According to the QMS.05.01.01 Matrix planning WKSU includes all Institute activities that are planned for the academic year for effective planning of the educational process.

# The strengths of EP are:

- an effective system of collection, analysis and information management;
- match the management information system of the University mission, goals and objectives;
- availability of items automation of information management.

In order to further development and improvement of the implementation of the accredited educational programmes of EEC NAAR recommends:

- to increase the involvement of students and teachers in the process of collecting and analysing information for making decisions based on them;
- to continue work on updating the material-technical base for all accredited programmes.

Standard "Information Management" accredited EP has 7 strong and 6 satisfactory positions and 1 position requires improvement.

# -4.8. Standard «Public Informing»

WKSU provides information on its activities, including programmemes, expected learning outcomes in these programmes, academic degrees, teaching, learning, assessment procedures, a passing grade and the educational opportunities provided to students, as well as information about employment opportunities for graduates. To a large extent on the formation of a positive image WKSU is influenced by active spreading of information about its activities. Information is posted on the University website in the news section, and in sections, is published out of the University newspaper "Orken", systematically produced video news reports, articles and speeches of scientists published in the media of oblast and Republic. So the press service of the University and the IT centre has provided in 2015 preparation and media placement of a large number of analytical, image and other materials. It was released 52 new units (in the Kazakh language - 32, in the Russian language - 20). All of them are posted on the website of WKSU (wksu.kz) and the channel of the u-tube video news WKSU http://www.youtube.com/user/wksutv/.

Lecturer in chemistry, N. V. Akatyev, as a representative of WKSU participated in the television show "Open Studio" on the channel "Kazakhstan Oral" (aired as of 3 January 2016). The issue was devoted to problems and prospects of multilingual education. In addition students and undergraduates of cluster chemistry, as well as journalists of newspapers "Oral өңігі", "Egemen Kazakhstan" published several articles about the doctor of chemical Sciences, Professor D. K. Mendalieva For example, in the University newspaper "Orken" the article was published on "«Ұстаздардың ұстазы - Дина Кенжебекқызы ", «Верноподанная науки Химии» и «Ғалымның айқын ізі». In regional newspaper газете «Орал Өңірі» an article about Mendalieva D. K. on the subject «Ғұмырын ғылымға арнаған» was published. Also articles with the participation of professor Kunasheva Z. H.: in the newspaper "Informbirzha" entitled

«Отходы- в доходы», in the newspaper "Egemen Kazakhstan" on the theme "«Басты назарда - жұмыс сапасы». Is page of the Department at http:// natgeo.wksu.kz/, along with this you have access to the social networks of the Department "In contact" Chemistry WKSU, "Instagram" Chemistry WKSU. The university website provides detailed reference information about the University, here you can find answers to applicants, students, graduates and all interested persons to all the questions on educational resources and other activities of the University, specific educational programmes, including operating support systems, learning outcomes and associated professional qualifications.

Assessment of satisfaction with information about activities of the University and about the specifics and the implementation of educational programmes is carried out annually by questionnaire, survey, feedback, and also through the blog of the rector.

Preparing information for placement on web resources of the University, except the information contained educational units and teachers on the educational portal, carry out the concerned structural units of M. Utemisov WKSU.

# The strengths of EP is:

- system creation, collection, analysis and dissemination of information of educational process;
  - educational portal is operational and being improved;
  - electronic control system the current, mid-term and final evaluation implemented.

According to the Standard of "Informing the public" accredited EP has 7 strong and one satisfactory position.

# 4.9. Standard "Standards in the context of certain professions"

Requirements to the contents of EP majoring 5B011200 - "Chemistry" 5B060600- "Chemistry" 5B072000-"Chemical technology of inorganic substances", 5B072100 - "Chemical technology of organic substances", 6M011200-Chemistry educational trajectories of students, the structure and content of education, assessing the level of preparedness of students and the academic degree is determined SES RK. EP accredited specialties of the cluster "Chemistry" developed by the Department independently in accordance with the Dublin descriptors, consistent with the European qualifications framework. Dublin descriptors, which is a description of the level of knowledge, skills and competencies acquired by students upon completion of the educational programme of each level of higher and postgraduate education based on learning outcomes, formed competencies, as well as the total number of credit (transcripts) ECTS.

Within the "Natural Sciences, technical Sciences and technologies" EP accredited specialties of the cluster "Chemistry" acquaint students with a professional environment and relevant issues in the field of specialization. To acquire skills on the basis of the theoretical training, the curriculum includes disciplines aimed at obtaining practical experience and skills in General and main specialties in particular: excursions to the laboratories in the field of specialization (in particular, the test laboratory "Butyraldehyde" accredited laboratory LLP "Spring", etc.), holding separate sessions at the enterprise specialization. In particular, the technical field of "CTOS", "CTIS" implemented the dual training of Uralsk for the production of polyethylene pipes "KazConstructionGroup", which provides for the classes of SRSS with a specialist practitioner in the proceedings, on such subjects as: "Chemistry of high molecular compounds", "Organic chemistry", "Manufacture of plastics and composite materials, Fundamentals of design and equipment of industrial enterprises (by industry)", "Basic processes and devices of chemical technologies".

As bases of practices of students of pedagogical specialties 5V011200 "Chemistry", 6M011200 Chemistry, 5B060600 contracts with 256 educational institutions of the city, West Kazakhstan and other regions. As the base practices of students of technical specialties (CTOS,

CTIS), there are over 20 cooperation agreements with such enterprises of the city and region as: "Atyraumunaionimderi", LLP "Batys-su Arnasy", LLP "Asian Control", "Ekavica", "Oral Terminal", "Tapan", "Gazpribor", "KazConstructionGroup", Mangistau combine of road construction materials, environmental control of gas pipelines etc.

Currently, the Department of chemistry cooperated with LLP "Zhaiyk-Caspian", "West Kazakhstan Department of natural resources and environmental management", FO of JSC "NCEC", the Regional Department of sanitary inspection, JSC "West Kazakhstan Corporation of construction materials", "Karachaganak petroleum operating b.v." WKO, Aksai JSC "Ural plant Zenit" JSC, "Ural mechanical plant" LLP "Firma Rodnik". Testing laboratory of ecology and biogeochemistry, functioning on the basis of WKSU as a basis for practice.

The work of the branch of the Department of chemistry is carried out according to the plan drawn up for the 2016-2017 academic year. On the basis of agreements continuing vocational guidance work with schools of Uralsk No. 19, 34, 38, 39, and schools Akzhaik, Zelenovsk, Burlin, Kaztal, Taskala, Chingirlau districts.

Based on the work plan of the branch of the Department of chemistry conducted the following work:

- written contract with the city and regional sredneobespechennyh schools.
- a schedule of teachers responsible for career guidance for the current academic year;
- carried out professional orientation work with pupils of schools of Uralsk No. 19, 34, 38, 39;
- funded campaign promotional materials, specialty "Chemistry" and distributed to schools;
- arranged meetings with pupils of urban and rural schools in preparation for the competition of scientific projects, competitions, entrance exams, etc.
- organized "Sunday school", according to which a schedule of classes in the disciplines of inorganic, physical, analytical, organic chemistry;

Conducting seminars to solve practical problems that are relevant for enterprises in the field of specialization. Thus, in particular, to the training of undergraduates were attracted by Russian scientists from industry, Kuzmina R. I. - head of the Department of petrochemicals and technological security of the Saratov state University. N. G. Chernyshevskogo (Saratov), Davletchin D. I. - PhD, technician-technologist of technical Department LLP "Tesco" (Moscow). High qualification of competence was the main criterion in the selection of teachers. The subject of the seminar due to their special relevance. For example, DSC, Professor, Kuzmina R. I. highlighted such topical issues as theoretical questions of organic synthesis, the structure of oil refineries, reactors chemical technology, comparative analysis of diesel and jet fuel, etc. Ph. D. of Davletchin D. I. for the purpose of commissioning of polarograph PU-1 familiarized the students with its working principle, main technical characteristics of the device and methods of maintenance. In connection with the relevance of the oil and gas industry, in the future, elective courses will attract several professionals from the oil and gas industry In the framework of the project the SES with the aim of improving the qualifications of teachers in the methodological and didactic organization of lectures and seminars were invited senior expert, Professor Hans-Dieter Barke from Germany, who gave a series of lectures and held several master classes for students, graduates of accredited specialties cluster Chemistry and faculty of the Department of chemistry on topics: Misconceptions in chemistry, the Theory of Branstad, the Theory of acids and bases, Introduction to chemistry. Grade 7, Worksheet "Acid/base + Red/Ox", Methodology of teaching chemistry for university students, History of chemistry, Didactics of chemistry and others.

The quality of feedback the teachers of the Department constantly advise teachers and students of schools of the city in the implementation of research projects, preparation for

Olympiads and international competitions. The reviewers of diploma works are involved, the teachers of the city schools (school №44 Emanative D. M., SCS №34 Tulegenova A. S., school №43 Bigashev R. M.), heads and employees of enterprises (technical Director of LLP "BINOM" Ramazanov, F. I., leading specialist of the Department of environmental control at the WKO Bacteia T. S., engineer, branch of environmental protection "INTERGAS Central Asia" Ermagambetov R. R.), etc. Typical employers of OP 5B011200 "Chemistry" and 5B060600 "Chemistry" are the Directors of secondary schools. For specialties 5B072000-"Chemical technology of inorganic substances" and 5B072100 "Chemical technology of organic substances", 6M011200 Chemistry: LLP "Zhaiyk-Caspian", West Kazakhstan Department of natural resources and environmental management, the FO of JSC "NCEC", JSC "Ural plant Zenit" JSC, "Ural mechanical plant" LLP "Firma Rodnik", etc.

In order to further development and improvement of the University's implementation of the accredited educational programmes of VEK NAAR recommends:

- hold regular discussion and implementation of new innovative teaching technologies at the OP;
  - experienced manufacturers in the state Department

Standard "Standards in the context of a separate field of" specialty "EDUCATION" and "EOIR NATURAL, TECHNICAL SCIENCES AND TECHNOLOGIES" accredited educational programme have 7 strong, 3 is satisfactory positions and 1 position requires improvement.



# V) RECOMMENDATIONS to the UNIVERSITY on cluster EP 5B011200 "Chemistry", 5B060600 "Chemistry",

5B072000 "Chemical technology of inorganic substances", 5B072100 "Chemical technology of organic substances", 6M011200 Chemistry:

- to include in the development plan OP issues on improving the material-technical base (modern equipment for physicochemical methods of study, expand the range of reagents for scientific research) and issues of long-term growth of personnel potential of the Department of chemistry;
- to intensify the work on introduction of the newest innovative teaching technologies at the OP, for example, in the framework of multilingual education;
- to work on improving the content of educational programmemes with a similar OP leading foreign and domestic educational institutions; to ensure compliance with the contents of OP with the educational programmes of partner universities;
  - take comprehensive measures for the phased transition to trilingual training;
  - to increase the efficiency of interaction of alumni with the University;
- to expand the use in educational process of active and innovative technologies (chemical editors, electronic databases on chemical reagents and reactions);
  - to improve the conditions for inclusive education (availability of ramps, etc.);
  - greater involvement of students in research work;
- to intensify the work on attraction of students to participation in DAAD programmes, Erasmo-Mundus, Tempus;
- it is necessary to provide opportunities for professional certification of students in the learning process at the University;
- to intensify the work of external and internal academic mobility of academic staff in educational programmes;
  - to promote publication of research results in the cited scientific publications;
- to intensify the work on implementation of results of research work of the faculty in the educational process;
- to provide funding opportunities for the organization of training courses in foreign universities:
- to intensify the work of the staff of the Department and publication of educational and methodical literature in Kazakh and English languages, under the same Rums
- experienced production workers for practical training in core disciplinam the staff of the Department;
- to increase the provision of books and educational literature in Kazakh and English languages on the accredited OP;
- to intensify the work of the Department to attract sponsors from the production to strengthen the material-technical base of accredited OP;
- to increase the involvement of students and teachers in the process of collecting and analysing information for making decisions based on them;
  - to continue work on updating the material-technical base for all accredited programmes.

# SPECIALISED PROFILE OPTIONS

№ п/п	№ п/п	Criteria of an estimation	Pos		the educ	ation
			Strong	Satisfactory	Assumesimpr ovement	Unsatiisfactory
	Sta	andard «Management of educational programmeme»				
1	1	The higher educational institution should have	+			
_	_	published quality assurance policy.				
2	2	Quality assurance policy should reflect the connection	+			
_	_	between scientific research, teaching and learning.				
3	3	The higher educational institution should show the		+	h .	
		development of quality assurance culture.				
4	4	Quality assurance policy should also relate to any		+		
		activity implemented by contractors and partners			WINE TO SERVICE STATE OF THE PARTY OF THE PA	
_	_	(outsourcing).				
5	5	The higher educational institution shows working out of	+			
		the plan for EP development on the basis of the analysis				<b>N</b>
		of EP functioning, real positioning of the high school				
		and their orientation on satisfaction of requirements of				7
6	6	the state, interested persons and trainees.				
0	6	The higher educational institution should determine		+		No.
		mechanisms of formation and regular revision of the		m		10
		plan for EP development and monitoring of its				
		realization, the assessment of achievement of learning objectives, compliance to the needs of students,				6
		employers and society, decision-making aimed at				
		continuous improvement of educational programmes				
7	7	The higher educational institution shows transparency				
'	,	of formation of the plan for EP development processes.	'	1		
		The higher educational institution provides knowledge		100	7	
		of interested persons of the contents of the plan for EP		W W		
		development and processes of its formation.	-0			
8	8	The higher educational institution should involve	+			
		representatives of groups of interested persons,				
		including trainees and the faculty and employers in				
		formation of the plan for EP development				
9	9	The higher educational institution should show	+			
		individuality and uniqueness of the plan for EP				
		development, their coordination with national priorities				
		of development and the strategy of the high school				
		development.				
10	10	The higher educational institution should provide			+	
	L	adequacy of the plan for EP development to available				

		resources (including financial, information, personnel				
		structure, material base).				
11	11	· · · · · · · · · · · · · · · · · · ·	+			
11	11	In the higher education institution all basic business				
		processes regulating EP realization should be documented.				
12	10					
12	12	The higher educational institution should show accurate	+			
		determination of persons responsible for business				
		processes, unequivocal distribution of the personnel				
		official duties, differentiation of the joint bodies				
10	10	functions which are taking part in EP realization.				
13	13	The higher educational institution regularly analyzes the		+		
		information on EP realization and carries out self-				
		investigation in all directions for an estimation of				
		success of the strategy of EP development realization		100		
		through such indicators as "productivity" and		4 12	W	
		"efficiency".		7.74		
14	14	The higher educational institution shows evidence of	+			
	ď.	transparency of EP management system.				
15	15	The management of EP should show the successful	+		W. A	
		functioning of the internal quality assurance system of				
01		EP, including its design, management and monitoring,				
		improvement, making decisions based on facts.				
		Management of EP has to include:				
16	16	management of activity through processes;	+			
17	17	mechanisms of planning, development and continuous		+		
		improvement;				h.
18	18	estimations of risks and determination the ways of		+		
		decrease in these risks;				
19	19	monitoring, including creation of reporting processes,		+		(3)
		allowing to determine the dynamics in activity and				
		implementation of the plans;				
20	20	Analysis of the revealed discrepancies, realization of the		+		
		developed correcting and warning actions;		- /	10	
21	21	analysis of efficiency of changes;		+	7	
22	22	assessment of productivity and efficiency of divisions		+		
		activity and their interaction;	1	19"		
23	23	Interaction with employers.	+			
24	24	The higher educational institution should provide the	+			
		participation is participation of representatives of				
		interested persons (employers, the faculty, trainees) as a				
		part of joint controls of the educational programme, as				
		well as their representativeness at acceptance of				
		decisions on management educational programmeme				
		issues.				
25	25	The management of EP should provide measurement of		+		
		satisfaction degree of the faculty, personnel and				
		trainees requirements and show proofs of				
		shortcomings elimination which have been found out				
		shoreonnings eminiation which have been found but				

		within the limits of measurement process.				
26	26	The management of EP should show proofs of	+			
		openness and availability for trainees, PTS, employers				
		(official reception hours on personal questions, e-mail				
		dialogue, etc.).				
27	27	The higher education institution has to show presence of	+			
		a communication channel on which any interested				
		person can do innovative suggestions for improvement				
		of EP activity, governing bodies of the higher				
		education institution. The higher education institution				
		has to show examples of the analysis of these offers and				
		realization of similar offers in the higher education	33			
		institution life. The higher education institution has to				
		show communication link through which any interested		100		
		person may make innovative suggestions for		4 0		
	A	improvement of EP management. The higher		1.74	A.	
		educational institution should demonstrate examples of		1		
		analysis of these proposals and their implementation.				
		Total according to this standard	15	11	1	0
	ard «I	Development and approval of educational programmeme»				
28	1	The higher educational institution should identify and	+			
		document procedures for the development and				N.
		evaluation of the quality of the educational programme,				
		establish the frequency, forms and methods of quality				7
		assessment of educational programmes.				
29	2	The higher educational institution should establish a	+			D.
		procedure for periodic reviewing and monitoring of				U.
		educational programmes.				
30	3	The higher educational institution should define the		+		0
- 4		requirements for educational programmes based on			47007	
		the specificity, level of education,			/4/	
		and also the used technologies, including remote			- 7	
21	4	technologies.				
31	4	The higher educational institution should demonstrate	+	151		
		the availability of developed models of graduate of	- 10			
		education programme that include knowledge, skills and				
22	5	professional competence.	-			
32	5	The higher educational institution should demonstrate	+			
		the participation of the faculty, employers and students				
		in the development of educational programmes,				
		ensuring their quality, to provide proof that employers				
33	6	are typical representatives of employers.		1		
33	6	The higher educational institution has to provide the		+		
		external expertise of educational programme approved				
34	7	by collegial bodies.  The management of EP should well defined the				
34	'	The management of EP should well-defined the objectives of EP.	+			
35	8	The management of EP should demonstrate the logic of	+			
33	U	The management of Li should demonstrate the logic of				

	1					
		compiling curricula and training programmemes, in				
		particular the reasons for the inclusion of a particular				
		discipline in a list of the curriculum, reasons for				
26	0	assigning the status of post - or prerequisite.				
36	9	The management of EP should ensure that the name and	+			
		content of the disciplines are relevant to the areas of				
	10	development of the studying field of science/society, etc				
37	10	The higher educational institution should determine the	+			
		content, the volume, the logic of construction of				
		individual educational trajectories of trainees.				
38	11	The management of EP should demonstrate the	+			
		continuity of the educational programmeme content at	100			
		different levels, including the logic of the				
		intercommunication of academic disciplines,		100		
		consistency and continuity		9 0		
39	12	The management of EP should provide an annual	+	1.1	1	
		review of the content of education and training		1		
	, i	programmes to reflect changes in the market, the				
		demands of employers, learners and teachers.			70	
40	13	The management of EP should demonstrate the impact		+		
-01		of disciplines on the formation of students 'professional				
		competence.				
41	14	The labour-intensiveness of EP should be clearly	+			
		defined in the Kazakhstan credits and ECTS.				γ.
42	15	The structure of the educational programme should	+			
		provide with different types of activities, the content of				
		which should facilitate the formation of professional				
		competence of students.				
43	16	The higher educational institution should demonstrate	+			
		the effectiveness of the organization and conducting of				
		professional practice.			/ /	
44	17	The higher educational institution should ensure the	+			
		compliance of the content of academic disciplines and		- 70		
		intended learning outcomes. The list and content of		100	7	
		subjects should be available for students.				
45	18	An important factor is the harmonization of the content	1	177	+	
		of educational programmemes of similar educational				
		programmes of the leading foreign and Kazakhstani				
		educational organizations.				
46	19	An important factor is the presence of joint educational			+	
		programmes with foreign educational organizations.				
47	20	An important factor is the cooperation and exchange of			+	
		experience with other organizations of education,				
		implementing such educational programmes.				
48	21	The management of EP should ensure the presence of		+		
		research elements in the content of the EP.		•		
	j	Total according to the standard	14	4	3	
Çt.	andard	I "student-centered learning, teaching and performance	- '	•	-	
516	unuar	i stationi-contered learning, teaching and performance	İ			

		assessment"				
49	1	The management of EP should provide with equal opportunities for students, including regardless of language of instruction on the formation of individual educational programme aimed at formation of professional competence.	+			
50	2	The management of EP should ensure the harmonious development of students, including intellectual development and individual characteristics	+			
51	3	The management of EP should ensure the implementation and effectiveness of active and innovative teaching methods.		+		
52	4	The management of EP should provide with its own developments in the field of methodology of teaching disciplines.	1	+		
53	5	The management of EP should demonstrate decision making based on the feedback from the students and assessment of their satisfaction.		+	A	
54	6	During the implementation of the educational programme independent work of a student should be monitored and mechanisms for an adequate assessment of its results should be established.	A	+		
55	7	The management of EP should monitor the satisfaction of students with their professional practices.	+			
56	8	The management of EP should demonstrate decision making based on the feedback from the trainees and the assessment of their satisfaction.	/// 	+		9
57	9	The management of EP has to prove the existence of a system of monitoring of the progress of a student at the educational trajectories and achievements of students.	+			9
58	10	The management of EP should ensure the availability and efficiency of the mechanism of objective assessment of learning outcomes, corporate mechanism of appeal, transparency of criteria and evaluation tools.	+	1	1	
59	11	The management of EP should provide with conformity of assessment procedures to level of knowledge of students planned learning outcomes and objectives of the programmeme according to established criteria and estimation methods.	+			
60	12	The management of EP should provide the conditions for inclusive education.			+	
		Total according to this standard	6	5	1	
	T	Standard "Trainees"				
61	1	The management of EP should show the policy of formation of the contingent of trainees of EP and transparency of its procedures. The procedures, regulating the life cycle of trainees, have to be approved	+			

		and published.				
		Admission and enrollment in an education programme	+			
		should be accompanied by a comprehensive				
62	2	introduction containing the information about the				
02		organization of education and the specificity of the				
		educational programme.				
			+			
63	2	The management of EP should provide for special				
03	3	adaptation and support programmes for foreign				
		students.				
64	4	The management of EP should demonstrate conformity	+			
		of the actions of the Lisbon Convention on recognition.				
		The higher educational institution should cooperate	+			
		with other educational organizations and national				
		centers the "European network of national information		1904		
65	5	centers on academic recognition and mobility/ National		9 10		
		academic Recognition Information Centers" with the				
		aim of achieving comparable recognition of				
		qualifications.				
		The management of EP must demonstrate the	+		W. D.	
		availability and efficiency of the mechanism for the				
66	6	recognition of the results of academic mobility of				
		students, as well as the results of additional formal and				N.
		informal training.				
67	7	The management of EP should show the effectiveness		+		
67	7	of monitoring of academic achievements of trainees.			-67	
		The management of EP should show the comprehension		+		
68	8	of dominant roles (professional, social) of trainees				
		proceeding from results of training.				
	0	The management of EP should способствовать			+	
69	9	профессиональной сертификации обучающихся.				
	Ţ	The management of EP should обеспечить			+	
		привлечение обучающихся к научно-				
70	10	исследовательской работе и консалтингу. Тhe		- /6	137	
	14	important factor is involvement of trainees to SRW		15		
		The higher educational institution and the management		+		
		of EP should provide an opportunity for internal and	1	But -		
71	11	external mobility of students and to assist them in				
		obtaining external grants for training.				
		The higher educational institution should provide	+			
		graduates with the documents confirming obtained				
72	12					
12	12	qualifications, including achieved learning outcomes				
		and the context, content and status of education and				
		evidence of its completion.				
		The management of EP should provide measures on		+		
73	13	employment of graduates, systematic monitoring of				
		employment of graduates, developing their career and				
		enhancing the effectiveness of alumni associations.				
74	14	The management of EP should provide an opportunity		+		

		for students to exchange and expression their opinions -				
		for example, through the Internet forum of student organizations.				
		The management of EP should demonstrate the	+			
	1.5	functioning of the feedback system of support for				
75	15	students, which includes efficient reporting of the				
		results of the assessment of students 'knowledge.				
		The management of EP should show the availability	+			
76	16	and effectiveness of support of gifted students.				
70	10	and effectiveness of support of girled stadents.				
		Total according to this standard	9	5	2	
		Standard «The faculty»				
		The higher educational institution should have fair and	+			
77	1	transparent personnel policy, including hiring,		- Rhy		
77	1	professional growth and development of staff, to ensure		4 10		
	- 4	professional competence of all staff.		- 74	94	
		The management of EP should show the conformity of		+		
		the faculty to qualifying requirements, level and		1		
		specificity of an educational programme and the			VIII.	
78	2	selection of personnel on the basis of the analysis of				
		requirements of educational programmes, the presence				
		of system of recruiting.			- 1	N
		The management of EP should show a sense of		+		
79	3	responsibility for their employees and providing them				7
		with favourable working conditions.				
		The management of EP should show the changing role		+		
80	4	of the teacher in connection with the transition to				
		student-centred learning.				
		The higher educational institution should demonstrate		+		
		the availability to the public of information about the				
81	5	faculty, including the faculty catalogue, placement of				
		ads on the website of the University.		1/2	100	
		The management of EP should monitor the activities of		+		
		the faculty, a systematic assessment of the competence		.//	7	
82	6	of teachers, a comprehensive assessment of the competence				
02		of teaching, including the assessment of satisfaction of	1			
		teachers and students.				
	-	The management of EP should ensure the completeness		+		
		and adequacy of individual work planning of the faculty				
		for all types of activities, monitoring the impact and				
83	7	effectiveness of individual plans, to demonstrate				
		evidence of completion by teachers of all types of				
		planned load.				
		The management of EP should show support for the		+		
84	8			T		
04	0					
		communication between research and training.		1		
85	9	The management of EP should show a system for the		+		
		qualification, professional and personal development of				

		the faculty and administrative staff, as well as				
		compliance with the qualification, professional and				
		personal development of staff development strategy.				
0.6	10	The management of EP should show to involve			+	
86	10	specialists with experience in the relevant branch, but				
		also famous scientists, public and political figures.				
87	11	The management of EP should provide targeted actions		+		
		for professional development of young teachers.				
		The management of EP should provide a stimulating		+		
88	12	professional and personal development of teachers and				
		staff.				
89	13	The management of EP should ensure monitoring of	+			
		satisfaction of the faculty.				
		The management of EP should show the involvement of		+ 100		
90	14	the faculty in practical activities in the field of		9. 0	M.	
		specialization on a constant basis.			B	
		The management of EP should show IT-competence of		+		
		the faculty, the conditions of motivation of the faculty				
91	15	to use innovative methods and forms of education,			V. A	
		information and communication technologies in the				
		educational process.				
		An important factor is development of academic			+	N.
92	16	mobility of teachers, involvement of the best foreign				
		and home teachers, conduct joint research.				7
		An important factor is the participation of the faculty in	+			
		society (the role of the faculty in education system, in				M.
93	17	science, in the region, creating cultural environment,				
		participation in exhibitions, creative competitions,				
		charity programmes, etc.).				
		The management of EP should show compliance	+			
	1	priorities consulting, research works, implemented by				
94	18	the faculty of EP, relevant problems of economy,		- 74		
94	10	development priorities of the state national policy in the		- /		
		sphere of education, science and innovative		100	1	
		development.				
	·	Total according to this standard	4	12	2	
Star	ndard	"Educational resources and student support system"				
	+	The higher educational institution should demonstrate		+		
95		the adequacy of material, financial and human				
		resources.				
	+	The higher educational institution should demonstrate	+			
96		the effectiveness of support services for students and				
	<u></u>	the availability of support procedures				
	+	The higher educational institution should needs to		+		
97		identify the support needs of different groups and				
		categories of students.				
00	+	The higher educational institution should ensure the		+		
98		availability and effective performance-oriented to				
					1	

		students, employees and interested persons of the system of information and feedback				
99	+	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.		+		
		In the higher educational institution the environment of training of EP should be created, which contains:				
100	6	technological support of students and the faculty according to programmes (for example, online training, modelling, databases, programmes 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;		-	10	
102	8	interactive academic consultations to help trainees to plan and carry out educational programmes including the use of personalized interactive resources	A	+	1	
103	9	vocational guidance, assisting in a choice and achievement of career ways;	+			7
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 programmes,	+			
105	11	sanitary-and-epidemiologic norms and requirements necessary quantity of computer classes, reading rooms, multimedia, language and scientific-methodological offices, number of seats in them;	+		7	
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;	Í	+		
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;	+			

		1 , ,1 1 .1 1	Τ.			
		easy approach to the educational Internet - resources,	+			
111	17	functioning of free Wi-Fi in all territory of the higher				
		educational institution.				
		The management of EP should to ensure copyright	+			
112	18	compliance when placing textbooks and teaching in				
		open access				
112	10	Training equipment and software should meet modern		+		
113	19	requirements.				
		Total according to this standard	9	10		
Standard "Information Management"						
		The higher educational institution has to ensure the		+		
		functioning of the system of collection, analysis and				
114	1	information management through the application of				
		contemporary information and communication	70.0			
		technologies and software.				
		The higher educational institution determines the	+			
	- 15	volume and structure of periodically updated		1		
115	2	information and persons responsible for accuracy and		- 1		
113	2	timeliness in accordance with the development strategy			100	
		of the University.			V 4	
			+			
116	2					
110	3	timeliness, accuracy, completeness of information and				N.
		its integrity.				
117	4	The management of EP should show the acceptance of	+			
		management decisions based on analysis of the facts.				
440		The system of collection, analysis and management of		+		0.
118	5	information should be used to ensure the quality of				
		implementation of EP.				
-		The information which is collected and analyzed by				9
		educational organizations, should consider:				
119	6	the dynamics of the contingent of students in the context	+			
117	Ů	of forms and types;				
120	7	the level of progress, achievements of students and		+ /		
120	,	sending down;		100		
121	8	The satisfaction of trainees with the implementation of	+			
121	0	EP and the quality of teaching at the University;		17		
122	9	the availability of educational resources and support		+		
122	9	systems for trainees;	9			
123	10	the employment and career development of graduates.	+			
		The management of EP should provide the ability to	+			
124	11	analyze information to identify and predict risks.				
		The higher educational institution should ensure the		+	+	
	12	availability and effective functioning of the information				
125		system and feedback focused on students, employees				
		and interested persons.				
		Trainees, employees and the faculty have to document		+		
126	13	their consent to the processing of personal data.				
127	14	An important factor is the involvement of students,	+			
14/	14	An important factor is the involvement of students,	1.			

		workers of the faculty in the process of collecting and				
		analyzing of the information and making decisions				
		based on them.				
		Total according to this standard	7	6	1	
		Standard "Public informing"				
		The higher educational institution must publish	+			
		information about its activities in general and about the				
128	1	implementation of educational programmes. The				
		information must be clear, accurate, objective, relevant				
		and available.				
		The management of EP should use different ways of	+			
129	2	disseminating information, including the information				
129	2	network to inform the general public and interested				
		persons.		100		
		The higher educational institution should demonstrate		4 0		
	- 4	reflection on the web-site information characterizing the			D	
		University as a whole and in the context of educational		- 7		
		programmes, the efficiency of its use for improving the				
		educational process, having the following			V. A	
		characteristics:				
		allocation the full objective information about the	+			
130	3	specificity of educational programmes, including				A.
		operating support systems, learning outcomes and				
		assigning of professional qualifications;				
		the availability of adequate and objective information	+			
131	4	about the faculty, including personal pages of the	A			0.
		faculty;				
100		transparency of information complaints examination,	+			
132	5	including the allocation of the virtual book of		100		400
		complaints for consumers;				
		Allocation of information on the interaction with		+	1-1	
133	6	research/consulting organizations and educational			-1	
		institutions that implement the similarity of the	_	- //	7	
		educational programme; Allocation of information and links to external	+			
134	7	Allocation of information and links to external resources on the results of procedures of external				
134	'	evaluation				
		An important factor is the participation of EP in a	+			
135	8	variety of procedures of external evaluation, including				
133		rating and the ranking.				
		Total according to this standard	7	1	0	0
	"Standards in the context of certain specialities"			-		
	EDUCATION					
		The management of EP should show theoretical	+			
		knowledge of graduates of the programme in the field of				
136	1	psychology and communication, analysis of personality				
1	-	and behaviour, techniques of avoidance of conflicts,				
		motivation of trainees;				

		The management of EP should show, literacy of	+			
137	2	graduates of the programme in the field of information	'			
13/						
		The management of ED should show presence in the		1		
		The management of EP should show presence in the		+		
		programme of the disciplines training to innovative				
120		techniques of teaching and planning of training,				
138	3	including interactive methods of training, methods of				
		teaching with high involvement and motivation of				
		trainees (games, consideration of cases/situations, use of				
		multimedia facilities);				
139	4	The management of EP should show presence of ability		+		
10)	•	of trainees to teach skills of self-training				
		Within the limits of EP the emphasis on various kinds	+			
		of practice should be done:		100		
		attending of lectures and classes conducted by		4 10		
	- 1	working teachers;		- 34	D	
1.40	_	conducting of special seminars and discussions of				
140	5	the newest methodologies and technologies of		100		
11/4		training; within the limits of the programme the			VIII)	
		trainees should have possibility to listen to, at least,				
000		one discipline in the field of the specialization,				
		taught by practicing expert.				N.
		Within the limits of EP knowledge and skills of				
		systems and pedagogical methods in the world, and also				7
141	6	knowledge in the field of management of formation				
		should be given to the trainee.				A
		should be given to the trainee.				
N	ATT	RAL SCIENCES, TECHNICAL SCIENCES, AND				
1	AIU	TECHNOLOGY		10		8
Educi	ational	programmes in the areas of Natural science, "Technical Sciences				
Lauce		d technologies" should meet the following requirements:				
		To familiarize students with the professional	+			
		environment and relevant issues in the field of		- 1	7	
		specialization, as well as for the acquisition of skills		100	7.	
		based on theoretical training programme of education				
		should include disciplines and activities aimed at	1			
		obtaining practical experience and skills in general and				
		majors in particular disciplines, including:				
142	1	- visits to enterprises in the field of specialization				
		(factories, workshops, research institutes, laboratories,				
		educational - experimental farms, etc.)				
		- conducting of separate classes or entire disciplines in				
		the enterprise of specialization,				
		- conducting of workshops to solve practical problems				
		that are relevant for enterprises in the field of				
		specialization, etc				
		The faculty involved in			+	
143	2	the education programmeme should include teachers on				
	<u>I</u>	the education programmente should metude teachers on	<u> </u>		<u> </u>	]

		the staff with a long experience as a regular employee in				
		enterprises in the field of education.				
		The content of all disciplines EP should in some	+			
144	3	measure be based, and to include a clear relationship				
144		with the content of the fundamental natural sciences,				
		such as mathematics, chemistry, physics.				
		The management of EP should show обеспечить меры	+			
145	4	для усиления практической подготовки в области				
		специализации.				
		The management of EP should provide with training of		+		
146	5	trainees in the field of application of modern				
		information technologies.				
	Total according to this standard		7	3	1	
	TOTAL			57	11	

